

**Approved**



**2022-2031  
Capital Budget Details**

**(Budget Book 3 of 3)**

**December 2021**

## 2022 Capital Budget

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# City of Peterborough

## Combined Tangible & Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                                 | Ref | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |          |          | 2023      |           | 2024      |           | 2025 & After |           |
|---|-----|---------------|-------------------|-------------|---------|----------|----------|---------|----------|----------|-----------|-----------|-----------|-----------|--------------|-----------|
|   |     |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb      | Other    | Total     | Net       | Total     | Net       | Total        | Net       |
| Combined Tangible and Other Capital Program Summary |     |               |                   |             |         |          |          |         |          |          |           |           |           |           |              |           |
| CAO   |     | 9,888.0       | 1,715.8           | 1,727.2     |         | 1,727.2  | 300.0    | 65.0    |          | 1,362.2  | 1,359.0   | 1,359.0   | 2,074.8   | 2,074.8   | 3,011.2      | 3,011.2   |
| Corporate and Legislative Services                  |     | 282,171.4     | 19,629.9          | 27,456.1    | 1,554.2 | 25,901.9 | 1,367.0  | 45.0    | 18,745.2 | 5,744.7  | 39,399.5  | 39,399.5  | 34,695.9  | 33,695.9  | 160,990.0    | 159,990.0 |
| Community Services                                  |     | 69,867.4      | 13,210.4          | 2,920.0     | 972.0   | 1,948.0  | 607.2    | 234.2   | 215.0    | 891.6    | 3,920.3   | 2,828.6   | 7,676.4   | 6,547.8   | 42,140.2     | 33,559.7  |
| Infrastructure and Planning Services                |     | 1,314,244.7   | 211,427.0         | 60,228.0    | 6,226.1 | 54,001.9 | 5,453.9  | 695.7   | 22,673.8 | 25,178.5 | 136,586.3 | 107,232.0 | 118,193.9 | 86,339.6  | 787,809.4    | 734,887.3 |
| Police Services                                     |     | 5,885.5       | 130.0             | 1,444.6     |         | 1,444.6  | 1,417.1  | 13.8    |          | 13.8     | 930.1     | 930.1     | 985.1     | 985.1     | 2,395.8      | 2,395.8   |
| Total   |     | 1,682,057.0   | 246,113.1         | 93,775.9    | 8,752.3 | 85,023.6 | 9,145.2  | 1,053.6 | 41,634.0 | 33,190.8 | 182,195.2 | 151,749.2 | 163,626.2 | 129,643.1 | 996,346.6    | 933,844.1 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                  | Ref | Project Total | Approved Pre-2022 | 2022        |          |          |          |         |          |          | 2023      |           | 2024      |           | 2025 & After |           |
|--------------------------------------|-----|---------------|-------------------|-------------|----------|----------|----------|---------|----------|----------|-----------|-----------|-----------|-----------|--------------|-----------|
|                                      |     |               |                   | Total Costs | Rev      | Net Cost | Cap Levy | Dev Chg | Deb      | Other    | Total     | Net       | Total     | Net       | Total        | Net       |
| Tangible Capital Program Summary     |     |               |                   |             |          |          |          |         |          |          |           |           |           |           |              |           |
| CAO                                  |     | 9,888.0       | 1,715.8           | 1,727.2     |          | 1,727.2  | 300.0    | 65.0    |          | 1,362.2  | 1,359.0   | 1,359.0   | 2,074.8   | 2,074.8   | 3,011.2      | 3,011.2   |
| Corporate and Legislative Services   |     | 275,665.5     | 17,778.2          | 26,612.4    | 1,554.2  | 25,058.2 | 768.3    |         | 18,745.2 | 5,544.7  | 38,455.0  | 38,455.0  | 33,930.0  | 32,930.0  | 158,890.0    | 157,890.0 |
| Community Services                   |     | 44,979.3      | 2,554.1           | 1,434.8     | 104.0    | 1,330.8  | 350.0    | 125.5   | 215.0    | 640.3    | 1,864.7   | 1,758.7   | 5,905.4   | 5,797.4   | 33,220.3     | 27,527.3  |
| Infrastructure and Planning Services |     | 1,203,580.7   | 165,529.0         | 54,176.9    | 16,076.1 | 38,100.8 | 2,482.7  | 570.7   | 12,673.8 | 22,373.6 | 126,384.4 | 97,030.0  | 106,070.9 | 76,216.5  | 751,419.5    | 700,497.4 |
| Police Services                      |     | 5,288.0       |                   | 1,417.1     |          | 1,417.1  | 1,417.1  |         |          |          | 930.1     | 930.1     | 985.1     | 985.1     | 1,955.8      | 1,955.8   |
| Total                                |     | 1,539,401.6   | 187,577.1         | 85,368.4    | 17,734.3 | 67,634.1 | 5,318.1  | 761.1   | 31,634.0 | 29,920.8 | 168,993.2 | 139,532.8 | 148,966.2 | 118,003.8 | 948,496.8    | 890,881.7 |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                  | Ref | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |     |         | 2023     |          | 2024     |          | 2025 & After |          |
|--------------------------------------|-----|---------------|-------------------|-------------|---------|----------|----------|---------|-----|---------|----------|----------|----------|----------|--------------|----------|
|                                      |     |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb | Other   | Total    | Net      | Total    | Net      | Total        | Net      |
| Other Capital Program Summary        |     |               |                   |             |         |          |          |         |     |         |          |          |          |          |              |          |
| Corporate and Legislative Services   |     | 6,505.9       | 1,851.8           | 843.7       |         | 843.7    | 598.7    | 45.0    |     | 200.0   | 944.5    | 944.5    | 765.9    | 765.9    | 2,100.0      | 2,100.0  |
| Community Services                   |     | 24,888.1      | 10,656.3          | 1,485.2     | 868.0   | 617.2    | 257.2    | 108.7   |     | 251.3   | 2,055.6  | 1,070.0  | 1,771.0  | 750.4    | 8,920.0      | 6,032.5  |
| Infrastructure and Planning Services |     | 110,663.9     | 45,897.9          | 6,051.1     | 150.0   | 5,901.1  | 2,971.2  | 125.0   |     | 2,805.0 | 10,201.9 | 10,201.9 | 12,123.0 | 10,123.0 | 36,389.9     | 34,389.9 |
| Police Services                      |     | 597.5         | 130.0             | 27.5        |         | 27.5     |          | 13.8    |     | 13.8    |          |          |          |          | 440.0        | 440.0    |
| Total                                |     | 142,655.5     | 58,536.0          | 8,407.5     | 1,018.0 | 7,389.5  | 3,827.1  | 292.5   |     | 3,270.0 | 13,202.1 | 12,216.4 | 14,660.0 | 11,639.3 | 47,849.9     | 42,962.4 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description    | Ref | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |         | 2023    |         | 2024    |         | 2025 & After |         |
|------------------------|-----|---------------|-------------------|-------------|-----|----------|----------|---------|-----|---------|---------|---------|---------|---------|--------------|---------|
|                        |     |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other   | Total   | Net     | Total   | Net     | Total        | Net     |
| CAO Summary            |     |               |                   |             |     |          |          |         |     |         |         |         |         |         |              |         |
| Communication Services | 2-1 | 227.0         | 177.0             | 25.0        |     | 25.0     |          |         |     | 25.0    | 25.0    | 25.0    |         |         |              |         |
| Fire Services          | 2-2 | 9,661.0       | 1,538.8           | 1,702.2     |     | 1,702.2  | 300.0    | 65.0    |     | 1,337.2 | 1,334.0 | 1,334.0 | 2,074.8 | 2,074.8 | 3,011.2      | 3,011.2 |
| Total                  |     | 9,888.0       | 1,715.8           | 1,727.2     |     | 1,727.2  | 300.0    | 65.0    |     | 1,362.2 | 1,359.0 | 1,359.0 | 2,074.8 | 2,074.8 | 3,011.2      | 3,011.2 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description           | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |      | 2024  |     | 2025 & After |     |  |
|-------------------------------|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|------|-------|-----|--------------|-----|--|
|                               |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net  | Total | Net | Total        | Net |  |
| CAO<br>Communication Services |        |               |                   |             |     |          |          |         |     |       |       |      |       |     |              |     |  |
| City Branding                 | 2-1.01 | 227.0         | 177.0             | 25.0        |     | 25.0     |          |         |     | 25.0  | 25.0  | 25.0 |       |     |              |     |  |
| Total                         |        | 227.0         | 177.0             | 25.0        |     | 25.0     |          |         |     | 25.0  | 25.0  | 25.0 |       |     |              |     |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** CAO**Budget Reference #:** 2-1.01**Division:** Chief Administrative Officer - Communication Services**Project Name & Description**

Community Branding

**Commitments Made**

Council endorsed the Brand Idea and the Creative Assets for the Community Brand at its meeting on April 9, 2018.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The goal of Community Branding is to establish a theme or idea that the City and community can use consistently that captures our identity, supports consistency in communication, and instills pride in what makes Peterborough a compelling choice as a place to live, work and play. Updates have been provided to Council throughout 2017-18 through reports:

CPFS17-024 - May 29, 2017

CPFS17-045 - July 24, 2017

CPFS17-066 - November 6, 2017

CPFS18-004 - April 9, 2018

Some funds have been set aside for one-time costs to implement the new brand. The implementation generally calls for the new brand to be implemented as assets are replaced through their normal replacement schedule. Examples of one-time costs for implementation outside of the normal replacement schedule include certain signage, such as worn signs that have the orange P symbol for Peterborough and the application of the new City logo on City vehicles ahead of the full rebranding when the vehicles are replaced as part of their normal replacement schedule.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department           | CAO   |                  |                      |           |      |      |      |      |                 |                 |
| Division             | Chief Administrative Officer - Communication Services |                  |                      |           |      |      |      |      |                 |                 |
| Project Description  | City Branding   |                  |                      |           |      |      |      |      |                 |                 |
| Project #            | 2-1.01  |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services |   | 227.0            | 177.0                | 25.0      | 25.0 |      |      |      |                 |                 |
| Net Requirements     |   | 227.0            | 177.0                | 25.0      | 25.0 |      |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |           |      |      |      |      |                 |                 |
| Reserves             |   |                  |                      |           |      |      |      |      |                 |                 |
| MAT Reserve          |   | 50.0             |                      | 25.0      | 25.0 |      |      |      |                 |                 |
| Total Reserves       |   | 50.0             |                      | 25.0      | 25.0 |      |      |      |                 |                 |
| Capital Levy         |   | 177.0            | 177.0                |           |      |      |      |      |                 |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description  | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |         | 2023    |         | 2024    |         | 2025 & After |         |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|---------|---------|---------|---------|---------|--------------|---------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other   | Total   | Net     | Total   | Net     | Total        | Net     |
| CAO<br>Fire Services   |        |               |                   |             |     |          |          |         |     |         |         |         |         |         |              |         |
| Fire Apparatus Replacement/Additions                           | 2-2.01 | 6,187.6       | 916.6             | 779.0       |     | 779.0    |          |         |     | 779.0   | 830.0   | 830.0   | 1,900.0 | 1,900.0 | 1,762.0      | 1,762.0 |
| CAD Project  | 2-2.02 | 550.0         |                   | 550.0       |     | 550.0    | 300.0    |         |     | 250.0   |         |         |         |         |              |         |
| Fire Fighter Equipment and Personal Protective Equipment (PPE) | 2-2.03 | 2,923.4       | 622.2             | 373.2       |     | 373.2    |          | 65.0    |     | 308.2   | 504.0   | 504.0   | 174.8   | 174.8   | 1,249.2      | 1,249.2 |
| Total  |        | 9,661.0       | 1,538.8           | 1,702.2     |     | 1,702.2  | 300.0    | 65.0    |     | 1,337.2 | 1,334.0 | 1,334.0 | 2,074.8 | 2,074.8 | 3,011.2      | 3,011.2 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** CAO**Budget Reference #:** 2-2.01**Division:** Chief Administrative Officer - Fire Services**Climate Mitigation:** Yes**Project Name & Description**

Fire Apparatus Replacement/Additions

**Commitments Made****Effects on Future Operating Budgets**

The ongoing replacement of apparatus will lower maintenance costs in future years.

To meet the proposed capital expenditures, the annual contribution of \$300,000 from the operating budget to the Fire Vehicle Equipment Reserve Fund will need to be maintained.

**Project Detail, Justification & Reference Map**

Fire Apparatus/Vehicle replacement Schedule:

| Design<br>Year | Delivery &<br>Purchase |  |
|----------------|------------------------|--|
|                | Year                   | Equipment and Current (\$)                   |
| 2022           | 2022                   | Replace Support Unit - \$69,000              |
| 2022           | 2022                   | Replace Rescue Pumper - \$710,000            |
| 2023           | 2023                   | Additional Pumper & Support Unit - \$830,000 |
| 2024           | 2024                   | Replace 1991 Aerial Truck - \$1,900,000      |
| 2025           | 2025                   | Replace Support Unit - \$75,000              |
| 2026           | 2026                   | Replace Rescue Pumper - \$750,000            |
| 2027           | 2027                   | Replace Support Unit - \$77,000              |
| 2029           | 2029                   | Replace Rescue Pumper - \$780,000            |
| 2030           | 2030                   | Replace Support Unit - \$80,000              |

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |                |             |              | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------------|--|------------------|----------------------|--------------|--------------|----------------|-------------|--------------|-----------------|-----------------|
|                                |  |                  |                      | 2022         | 2023         | 2024           | 2025        | 2026         |                 |                 |
| Department                     | CAO  |                  |                      |              |              |                |             |              |                 |                 |
| Division                       | Chief Administrative Officer - Fire Services |                  |                      |              |              |                |             |              |                 |                 |
| Project Description            | Fire Apparatus Replacement/Additions         |                  |                      |              |              |                |             |              |                 |                 |
| Project #                      | 2-2.01                                       |                  |                      |              |              |                |             |              |                 |                 |
| Expenditures                   |  |                  |                      |              |              |                |             |              |                 |                 |
| Contractual Services           | 6,187.6                                      | 916.6            |                      | 779.0        | 830.0        | 1,900.0        | 75.0        | 750.0        | 937.0           |                 |
| Total Direct Revenue           | <u>6,187.6</u>                               | <u>916.6</u>     |                      | <u>779.0</u> | <u>830.0</u> | <u>1,900.0</u> | <u>75.0</u> | <u>750.0</u> | <u>937.0</u>    |                 |
| Net Requirements               | <u>6,187.6</u>                               | <u>916.6</u>     |                      | <u>779.0</u> | <u>830.0</u> | <u>1,900.0</u> | <u>75.0</u> | <u>750.0</u> | <u>937.0</u>    |                 |
| To Be Financed From:           |  |                  |                      |              |              |                |             |              |                 |                 |
| Reserves                       |  |                  |                      |              |              |                |             |              |                 |                 |
| Development Charges Res        | 830.0  |                  |                      |              | 830.0        |                |             |              |                 |                 |
| Fire Vehicle Equipment Reserve | 5,357.6                                      | 916.6            |                      | 779.0        |              | 1,900.0        | 75.0        | 750.0        | 937.0           |                 |
| Total Reserves                 | <u>6,187.6</u>                               | <u>916.6</u>     |                      | <u>779.0</u> | <u>830.0</u> | <u>1,900.0</u> | <u>75.0</u> | <u>750.0</u> | <u>937.0</u>    |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** CAO**Budget Reference #:** 2-2.02**Division:** Chief Administrative Officer - Fire Services**Project Name & Description**

CAD Project, Computer Aided Dispatch Migration

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Fire Data Management (FDM), the current vendor that supplies Computer Aided Dispatch software (CAD) to Peterborough Fire was purchased by CentralSquare. CentralSquare has been making changes to their offerings and has announced that FDM/CAD will not be a go forward product. No new integrations or upgrades will be developed for the FDM/CAD product, therefore transition to NG911 with this product will not be feasible for Peterborough Fire Services. CentralSquare is transitioning FDM users to Enterprise CAD, and will offer all current integrations and supports that Peterborough Fire is currently utilizing with allied agencies and dispatch clients. The Computer Aided Dispatch Migration Project will be partially funded from the Fire Dispatch Reserve that is funded from Peterborough County and Northumberland County revenues.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                       |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------|--|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                       |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department            | CAO  |                  |                      |           |      |      |      |      |                 |                 |
| Division              | Chief Administrative Officer - Fire Services |                  |                      |           |      |      |      |      |                 |                 |
| Project Description   | CAD Project                                  |                  |                      |           |      |      |      |      |                 |                 |
| Project #             | 2-2.02                                       |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures          |  |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services  |  | 550.0            |                      | 550.0     |      |      |      |      |                 |                 |
| Net Requirements      |  | 550.0            |                      | 550.0     |      |      |      |      |                 |                 |
| To Be Financed From:  |  |                  |                      |           |      |      |      |      |                 |                 |
| Reserves              |  |                  |                      |           |      |      |      |      |                 |                 |
| Fire Dispatch Reserve |  | 250.0            |                      | 250.0     |      |      |      |      |                 |                 |
| Total Reserves        |  | 250.0            |                      | 250.0     |      |      |      |      |                 |                 |
| Capital Levy          |  | 300.0            |                      | 300.0     |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** CAO**Budget Reference #:** 2-2.03**Division:** Fire - Fire Services**Project Name & Description**

Fire Fighter Equipment and Personal Protective Equipment (PPE)

**Commitments Made****Effects on Future Operating Budgets**

The provision of additional PPE as mandated by the MOL will increase annual operating, maintenance and repair costs. PPE has an operational life of 5-10 years and includes specially designed pants and coats, gloves, helmets, boots and other protective clothing to fire service standards.

This TCA program allows for the replacement of decommissioned PPE to ensure firefighters are suitably equipped to remain in-service when their primary set of PPE has been taken out of service for cleaning and/or repairs. This is a priority health and safety part of the TCA program.

**Project Detail, Justification & Reference Map**

To maintain this program for each subsequent year as mandated by the Ministry of Labour (MOL), it is necessary to continue annual capital budget expenditures for the acquisition of PPE. In compliance with current standards, 54 Breathing Air Cylinders will expire in 2022 and need replacement.

Currently, funds are being contributed to a Fire Fighting and Safety Equipment Reserve from the operating budget to provide for sufficient funds to purchase 40 Self Contained Breathing Apparatus that will reach their maximum anticipated life in 2023.

This TCA program also covers the purchase of various fire fighting equipment such as:

- Power tools, hose, nozzles and related tools and equipment
- Training props for safe fire and rescue training operations
- Replacement of specialty rescue equipment and trailer
- Water/ice rescue equipment

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|--------------------------------------|--|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                                      |  |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department                           | CAO  |                  |                      |              |              |              |              |              |                 |                 |  |
| Division                             | Fire - Fire Services   |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description                  | Fire Fighter Equipment and Personal Protective Equipment (PPE) |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #                            | 2-2.03   |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures                         |  |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services                 |  | 2,923.4          | 622.2                | 373.2        | 504.0        | 174.8        | 175.6        | 176.4        | 897.2           |                 |  |
| Total Direct Revenue                 |  | <u>2,923.4</u>   | <u>622.2</u>         | <u>373.2</u> | <u>504.0</u> | <u>174.8</u> | <u>175.6</u> | <u>176.4</u> | <u>897.2</u>    |                 |  |
| Net Requirements                     |  | <u>2,923.4</u>   | <u>622.2</u>         | <u>373.2</u> | <u>504.0</u> | <u>174.8</u> | <u>175.6</u> | <u>176.4</u> | <u>897.2</u>    |                 |  |
| To Be Financed From:                 |  |                  |                      |              |              |              |              |              |                 |                 |  |
| Development Charges                  |  |                  |                      |              |              |              |              |              |                 |                 |  |
| DC - Fire                            |  | 125.0            |                      | 65.0         | 60.0         |              |              |              |                 |                 |  |
| Total Development Charges            |  | <u>125.0</u>     |                      | <u>65.0</u>  | <u>60.0</u>  |              |              |              |                 |                 |  |
| Reserves                             |  |                  |                      |              |              |              |              |              |                 |                 |  |
| Fire Fighting & Safety Equip Reserve |  | 2,798.4          | 622.2                | 308.2        | 444.0        | 174.8        | 175.6        | 176.4        | 897.2           |                 |  |
| Total Reserves                       |  | <u>2,798.4</u>   | <u>622.2</u>         | <u>308.2</u> | <u>444.0</u> | <u>174.8</u> | <u>175.6</u> | <u>176.4</u> | <u>897.2</u>    |                 |  |



**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                        | Ref | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |          |         | 2023     |          | 2024     |          | 2025 & After |           |
|--|-----|---------------|-------------------|-------------|---------|----------|----------|---------|----------|---------|----------|----------|----------|----------|--------------|-----------|
|  |     |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb      | Other   | Total    | Net      | Total    | Net      | Total        | Net       |
| Corporate and Legislative Services Summary |     |               |                   |             |         |          |          |         |          |         |          |          |          |          |              |           |
| Facilities Management                      | 3-1 | 116,093.6     | 7,186.6           | 5,052.0     | 1,054.2 | 3,997.8  |          |         | 2,822.8  | 1,175.0 | 8,355.0  | 8,355.0  | 5,745.0  | 5,745.0  | 89,755.0     | 89,755.0  |
| Facilities and Planning Initiatives        | 3-2 | 144,235.0     | 9,742.6           | 20,522.4    | 500.0   | 20,022.4 |          |         | 15,922.4 | 4,100.0 | 28,025.0 | 28,025.0 | 26,860.0 | 25,860.0 | 59,085.0     | 58,085.0  |
| Information Technology                     | 3-3 | 14,638.0      | 450.0             | 1,038.0     |         | 1,038.0  | 768.3    |         |          | 269.7   | 1,775.0  | 1,775.0  | 1,325.0  | 1,325.0  | 10,050.0     | 10,050.0  |
| Other                                      | 3-4 | 699.0         | 399.0             |             |         |          |          |         |          |         | 300.0    | 300.0    |          |          |              |           |
| Total                                      |     | 275,665.5     | 17,778.2          | 26,612.4    | 1,554.2 | 25,058.2 | 768.3    |         | 18,745.2 | 5,544.7 | 38,455.0 | 38,455.0 | 33,930.0 | 32,930.0 | 158,890.0    | 157,890.0 |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                        | Ref | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |         |
|--|-----|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|---------|
|  |     |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net     |
| Corporate and Legislative Services Summary |     |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |
| Facilities Management                      | 3-1 | 250.0         |                   | 50.0        |     | 50.0     | 50.0     |         |     |       | 50.0  | 50.0  | 50.0  | 50.0  | 100.0        | 100.0   |
| Other                                      | 3-4 | 6,255.9       | 1,851.8           | 793.7       |     | 793.7    | 548.7    | 45.0    |     | 200.0 | 894.5 | 894.5 | 715.9 | 715.9 | 2,000.0      | 2,000.0 |
| Total                                      |     | 6,505.9       | 1,851.8           | 843.7       |     | 843.7    | 598.7    | 45.0    |     | 200.0 | 944.5 | 944.5 | 765.9 | 765.9 | 2,100.0      | 2,100.0 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description   | Ref    | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |         |         | 2023    |         | 2024    |         | 2025 & After |          |
|---|--------|---------------|-------------------|-------------|---------|----------|----------|---------|---------|---------|---------|---------|---------|---------|--------------|----------|
|   |        |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb     | Other   | Total   | Net     | Total   | Net     | Total        | Net      |
| Corporate and Legislative Services<br>Facilities Management |        |               |                   |             |         |          |          |         |         |         |         |         |         |         |              |          |
| City Buildings - Facilities Management                      | 3-1.01 | 9,060.0       | 730.0             | 890.0       |         | 890.0    |          |         | 865.0   | 25.0    | 450.0   | 450.0   | 550.0   | 550.0   | 6,440.0      | 6,440.0  |
| City Buildings - Community Services                         | 3-1.02 | 28,069.2      | 4,560.0           | 2,139.2     | 1,054.2 | 1,085.0  |          |         | 335.0   | 750.0   | 1,380.0 | 1,380.0 | 3,050.0 | 3,050.0 | 16,940.0     | 16,940.0 |
| City Buildings - IPS  | 3-1.03 | 5,899.4       | 1,199.4           | 800.0       |         | 800.0    |          |         | 400.0   | 400.0   | 675.0   | 675.0   | 145.0   | 145.0   | 3,080.0      | 3,080.0  |
| City Buildings - Fire Services                              | 3-1.04 | 5,065.0       | 570.0             | 850.0       |         | 850.0    |          |         | 850.0   |         | 1,850.0 | 1,850.0 |         |         | 1,795.0      | 1,795.0  |
| New Peterborough Police Station                             | 3-1.05 | 70,000.0      | 127.2             | 372.8       |         | 372.8    |          |         | 372.8   |         | 5,000.0 | 5,000.0 | 2,000.0 | 2,000.0 | 62,500.0     | 62,500.0 |
| Total   |        | 118,093.6     | 7,186.6           | 5,052.0     | 1,054.2 | 3,997.8  |          |         | 2,822.8 | 1,175.0 | 9,355.0 | 9,355.0 | 5,745.0 | 5,745.0 | 90,755.0     | 90,755.0 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

CAP Form 1 (TCA)

**Department:** Corporate and Legislative Services**Budget Reference #:** 3-1.01**Division:** Finance - Facilities Management**Project Name & Description**

Corporate and Legislative Services - Facilities Management

**Commitments Made****Effects on Future Operating Budgets**

The repairs and/or replacements will reduce future maintenance and operating costs.

**Project Detail, Justification & Reference Map**

| 2022 | Project Description                                |                         |
|------|--|-------------------------|
| 1.   | Police Station - Install New Roof                  | \$865,000               |
| 2.   | City Hall - Install Planting Bed Irrigation System | \$25,000                |
|      |  | <u><u>\$890,000</u></u> |

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | REQUESTED    |              |              |              |                | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--|------------------|----------------------|--------------|--------------|--------------|--------------|----------------|-----------------|-----------------|--|
|                           |  |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026           |                 |                 |  |
| Department                | Corporate and Legislative Services                         |                  |                      |              |              |              |              |                |                 |                 |  |
| Division                  | Finance - Facilities Management                            |                  |                      |              |              |              |              |                |                 |                 |  |
| Project Description       | Corporate and Legislative Services - Facilities Management |                  |                      |              |              |              |              |                |                 |                 |  |
| Project #                 | 3-1.01   |                  |                      |              |              |              |              |                |                 |                 |  |
| Expenditures              |  |                  |                      |              |              |              |              |                |                 |                 |  |
| Contractual Services      |  | 9,060.0          | 730.0                | 890.0        | 450.0        | 550.0        | 880.0        | 2,100.0        | 3,460.0         |                 |  |
| Net Requirements          |  | <u>9,060.0</u>   | <u>730.0</u>         | <u>890.0</u> | <u>450.0</u> | <u>550.0</u> | <u>880.0</u> | <u>2,100.0</u> | <u>3,460.0</u>  |                 |  |
| To Be Financed From:      |  |                  |                      |              |              |              |              |                |                 |                 |  |
| Debentures                |  |                  |                      |              |              |              |              |                |                 |                 |  |
| Deb Rev-Tax Supported     |  | 1,365.0          | 500.0                | 865.0        |              |              |              |                |                 |                 |  |
| Total Debenture Financing |  | <u>1,365.0</u>   | <u>500.0</u>         | <u>865.0</u> |              |              |              |                |                 |                 |  |
| Reserves                  |  |                  |                      |              |              |              |              |                |                 |                 |  |
| Facilities Mgmt Reserve   |  | 25.0             |                      | 25.0         |              |              |              |                |                 |                 |  |
| Court House Reserve       |  | 835.0            |                      |              |              |              | 400.0        |                | 435.0           |                 |  |
| Total Reserves            |  | <u>860.0</u>     |                      | <u>25.0</u>  |              |              | <u>400.0</u> |                | <u>435.0</u>    |                 |  |
| Capital Levy              |  | <u>6,835.0</u>   | <u>230.0</u>         |              | <u>450.0</u> | <u>550.0</u> | <u>480.0</u> | <u>2,100.0</u> | <u>3,025.0</u>  |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

CAP Form 1 (TCA)

**Department:** Corporate and Legislative Services**Budget Reference #:** 3-1.02**Division:** Finance - Facilities Management**Project Name & Description**

Corporate and Legislative Services - Facilities Management -  
Community Services

**Commitments Made****Effects on Future Operating Budgets**

The repairs and/or replacements will reduce future maintenance  
and operating costs

**Project Detail, Justification & Reference Map**

| 2022 | Project Description   |                           |
|------|---|---------------------------|
| 1.   | Healthy Planet Arena - Replace Refrigeration Plant, (2) Ice Pads, Dasher Boards and | \$200,000                 |
| 2.   | Bowers Park Maint Bldg - Install Concrete Floor                                     | \$35,000                  |
| 4.   | Healthy Planet Arena - Roof & HVAC Replacement                                      | \$500,000                 |
| 5.   | PSWC - Dectron/Heating Plant Replacement  | \$1,054,190               |
| 7.   | Naval Memorial Park Complex - Interior Renovations                                  | \$350,000                 |
|      |   | <b><u>\$2,139,190</u></b> |

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |  | Project<br>Total | Approved<br>Pre-2022 | REQUESTED      |                |                |                |                 | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------------|--|------------------|----------------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
|                                   |  |                  |                      | 2022           | 2023           | 2024           | 2025           | 2026            |                 |                 |
| Department                        | Corporate and Legislative Services   |                  |                      |                |                |                |                |                 |                 |                 |
| Division                          | Finance - Facilities Management  |                  |                      |                |                |                |                |                 |                 |                 |
| Project Description               | Corporate and Legislative Services - Facilities<br>Management - Community Services |                  |                      |                |                |                |                |                 |                 |                 |
| Project #                         | 3-1.02   |                  |                      |                |                |                |                |                 |                 |                 |
| Expenditures                      |  |                  |                      |                |                |                |                |                 |                 |                 |
| Contractual Services              | 28,069.2   | 4,560.0          | 2,139.2              | 1,380.0        | 3,050.0        | 2,050.0        | 1,815.0        | 13,075.0        |                 |                 |
| Direct Revenue                    |  |                  |                      |                |                |                |                |                 |                 |                 |
| Provincial grant                  | 1,054.2  |                  | 1,054.2              |                |                |                |                |                 |                 |                 |
| Total Direct Revenue              | <u>1,054.2</u>   |                  | <u>1,054.2</u>       |                |                |                |                |                 |                 |                 |
| Net Requirements                  | <u>27,015.0</u>  | <u>4,560.0</u>   | <u>1,085.0</u>       | <u>1,380.0</u> | <u>3,050.0</u> | <u>2,050.0</u> | <u>1,815.0</u> | <u>13,075.0</u> |                 |                 |
| To Be Financed From:              |  |                  |                      |                |                |                |                |                 |                 |                 |
| Debentures                        |  |                  |                      |                |                |                |                |                 |                 |                 |
| Deb Rev-Tax Supported             | 1,815.0  | 1,480.0          | 335.0                |                |                |                |                |                 |                 |                 |
| Total Debenture Financing         | <u>1,815.0</u>   | <u>1,480.0</u>   | <u>335.0</u>         |                |                |                |                |                 |                 |                 |
| Reserves                          |  |                  |                      |                |                |                |                |                 |                 |                 |
| Canada Community-Build Fund (FGT) | 2,900.0  | 2,400.0          | 500.0                |                |                |                |                |                 |                 |                 |
| Capital Levy Reserve              | 250.0  |                  | 250.0                |                |                |                |                |                 |                 |                 |
| Facilities Mgmt Reserve           | 30.0   | 30.0             |                      |                |                |                |                |                 |                 |                 |
| Sustainability Reserve            | 45.0   | 45.0             |                      |                |                |                |                |                 |                 |                 |
| Museum Renovation Reserve         | 45.0   | 45.0             |                      |                |                |                |                |                 |                 |                 |
| Total Reserves                    | <u>3,270.0</u>   | <u>2,520.0</u>   | <u>750.0</u>         |                |                |                |                |                 |                 |                 |
| Capital Levy                      | <u>21,930.0</u>  | <u>560.0</u>     |                      | <u>1,380.0</u> | <u>3,050.0</u> | <u>2,050.0</u> | <u>1,815.0</u> | <u>13,075.0</u> |                 |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

CAP Form 1 (TCA)

**Department:** Corporate and Legislative Services**Budget Reference #:** 3-1.03**Division:** Finance - Facilities Management**Project Name & Description**

Corporate and Legislative Services - Facilities Management -  
Infrastructure and Planning Services

**Commitments Made**

The building audits have been completed. The information contained in the audits shall be prioritized in a 20 year life cycle plan. The items identified shall then require repair and/or replacement and appropriate budgets shall be designated per facility.

**Effects on Future Operating Budgets**

The repairs and/or replacements will reduce future maintenance and operating costs.

**Project Detail, Justification & Reference Map**

| 2022 | Project Description                                    |                         |
|------|--|-------------------------|
| 1.   | Transit Garage - Replace Flourescent Lighting with LED | \$150,000               |
| 2.   | Transit Garage - Install New Generator                 | \$400,000               |
| 3.   | Transit Garage - Replace HVAC Equipment                | \$250,000               |
|      |  | <u><u>\$800,000</u></u> |



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | REQUESTED    |              |              |              |                | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|----------------|-----------------|-----------------|
|                           |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026           |                 |                 |
| Department                | Corporate and Legislative Services                          |                  |                      |              |              |              |              |                |                 |                 |
| Division                  | Finance - Facilities Management                             |                  |                      |              |              |              |              |                |                 |                 |
| Project Description       | Corporate and Legislative Services - Facilities             |                  |                      |              |              |              |              |                |                 |                 |
| Project #                 | Management - Infrastructure and Planning Services<br>3-1.03 |                  |                      |              |              |              |              |                |                 |                 |
| Expenditures              |   |                  |                      |              |              |              |              |                |                 |                 |
| Contractual Services      | 5,899.4   | 1,199.4          | 800.0                | 675.0        | 145.0        | 400.0        | 250.0        | 2,430.0        |                 |                 |
| Net Requirements          | <u>5,899.4</u>  | <u>1,199.4</u>   | <u>800.0</u>         | <u>675.0</u> | <u>145.0</u> | <u>400.0</u> | <u>250.0</u> | <u>2,430.0</u> |                 |                 |
| To Be Financed From:      |   |                  |                      |              |              |              |              |                |                 |                 |
| Debentures                |   |                  |                      |              |              |              |              |                |                 |                 |
| Deb Rev-Tax Supported     | 400.0   |                  | 400.0                |              |              |              |              |                |                 |                 |
| Total Debenture Financing | <u>400.0</u>  |                  | <u>400.0</u>         |              |              |              |              |                |                 |                 |
| Reserves                  |   |                  |                      |              |              |              |              |                |                 |                 |
| Capital Levy Reserve      | 250.0   |                  | 250.0                |              |              |              |              |                |                 |                 |
| Sustainability Reserve    | 150.0   |                  | 150.0                |              |              |              |              |                |                 |                 |
| Parking Reserve           | 70.0  |                  |                      | 70.0         |              |              |              |                |                 |                 |
| Waste Water Reserve       | 2,434.4   | 829.4            |                      |              |              |              | 175.0        | 1,430.0        |                 |                 |
| Total Reserves            | <u>2,904.4</u>  | <u>829.4</u>     | <u>400.0</u>         | <u>70.0</u>  |              |              | <u>175.0</u> | <u>1,430.0</u> |                 |                 |
| Capital Levy              | <u>2,595.0</u>  | <u>370.0</u>     |                      | <u>605.0</u> | <u>145.0</u> | <u>400.0</u> | <u>75.0</u>  | <u>1,000.0</u> |                 |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

CAP Form 1 (TCA)

**Department:** Corporate and Legislative Services**Budget Reference #:** 3-1.04**Division:** Finance - Facilities Management**Project Name & Description**

Corporate and Legislative Services - Facilities Management - Fire Services

**Commitments Made**

The building audits have been completed. The information contained in the audits shall be prioritized in a 20 year life cycle plan. The items identified shall then require repair and/or replacement and appropriate budgets shall be designated per facility.

**Effects on Future Operating Budgets**

The repairs and/or replacements will reduce future maintenance and operating costs.

**Project Detail, Justification & Reference Map**

| 2022 | Project Description                             |                         |
|------|---|-------------------------|
| 1.   | Fire Station #1 New Gas & Diesel Pumps          | \$200,000               |
| 2.   | Fire Station #1 - Install New Generator         | \$400,000               |
| 3.   | Fire Station #3 Fleming Building EOC Renovation | \$250,000               |
|      |   | <b><u>\$850,000</u></b> |

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | REQUESTED    |                |      |      |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--|------------------|----------------------|--------------|----------------|------|------|--------------|-----------------|-----------------|--|
|                           |  |                  |                      | 2022         | 2023           | 2024 | 2025 | 2026         |                 |                 |  |
| Department                | Corporate and Legislative Services   |                  |                      |              |                |      |      |              |                 |                 |  |
| Division                  | Finance - Facilities Management  |                  |                      |              |                |      |      |              |                 |                 |  |
| Project Description       | Corporate and Legislative Services - Facilities Management - Fire Services |                  |                      |              |                |      |      |              |                 |                 |  |
| Project #                 | 3-1.04   |                  |                      |              |                |      |      |              |                 |                 |  |
| Expenditures              |  |                  |                      |              |                |      |      |              |                 |                 |  |
| Contractual Services      |  | 5,065.0          | 570.0                | 850.0        | 1,850.0        |      |      | 100.0        | 1,695.0         |                 |  |
| Net Requirements          |  | <u>5,065.0</u>   | <u>570.0</u>         | <u>850.0</u> | <u>1,850.0</u> |      |      | <u>100.0</u> | <u>1,695.0</u>  |                 |  |
| To Be Financed From:      |  |                  |                      |              |                |      |      |              |                 |                 |  |
| Debentures                |  |                  |                      |              |                |      |      |              |                 |                 |  |
| Deb Rev-Tax Supported     |  | 1,600.0          | 350.0                | 850.0        | 400.0          |      |      |              |                 |                 |  |
| Total Debenture Financing |  | <u>1,600.0</u>   | <u>350.0</u>         | <u>850.0</u> | <u>400.0</u>   |      |      |              |                 |                 |  |
| Reserves                  |  |                  |                      |              |                |      |      |              |                 |                 |  |
| Sustainability Reserve    |  | 120.0            |                      |              | 120.0          |      |      |              |                 |                 |  |
| Total Reserves            |  | <u>120.0</u>     |                      |              | <u>120.0</u>   |      |      |              |                 |                 |  |
| Capital Levy              |  | <u>3,345.0</u>   | <u>220.0</u>         |              | <u>1,330.0</u> |      |      | <u>100.0</u> | <u>1,695.0</u>  |                 |  |

## 2022 - 2031 Capital Budget Justification

### Tangible Capital Assets

**Department:** Corporate and Legislative Services

**Budget Reference #:** 3-1.05

**Division:** Finance - Facilities Management

**Climate Mitigation:** Yes

**Climate Adaptation:** Yes

#### Project Name & Description

New Peterborough Police Station

#### Commitments Made

Council approved Report CLSFM21-007 for the Peterborough Police Station Facility Space Needs Study - Next Steps. Council approved to undertake a Police Station Facility Location Assessment Study to find a location suitable for a new Police Station.

#### Effects on Future Operating Budgets

A replacement facility for the existing Police Station is recommended to increase the square footage to 95,000 sq. ft. including additional spaces for training (combative, exercise, classrooms and firearms), file and equipment storage, meeting/project rooms, IT infrastructure, interview rooms, enlarged lab and property area, additional staff spaces, specialty vehicle storage and detention processing etc. built to a high energy and green standard. A new Police station will operate more efficiently on a square foot basis and will see a lower cost investment than the existing Police Station due to economies of scale, energy efficiencies and operating process.

#### Project Detail, Justification & Reference Map

Capital resources for this project are essential in order to plan, develop and construct a replacement facility for Peterborough Police Station. Estimated Capital costs for the project are itemized as follows:

| Year | Description                                    | Value        |
|------|--|--------------|
| 2021 | Phase I - Location Assessment Study ;          | \$127,200    |
| 2022 | Phase II - Concepts for chosen site;           | \$372,800    |
| 2023 | Phase III - Land Purchase & Schematic Design;  | \$4,000,000  |
| 2024 | Phase IV - Complete Design Drawings            | \$2,000,000  |
| 2026 | Phase V - Construction tender, contract award; | \$26,000,000 |
| 2027 | Pre-commit of construction funding;            | \$20,000,000 |
| 2028 | Pre-commit of construction funding;            | \$15,500,000 |

The proposed schedule will have the project “shovel ready” by the fall of 2024, with the facility opening in the fall of 2027. The project is eligible for development charges that address community growth needs; the balance of funding must be secured through other sources.

The budget proposes that the construction phase be financed over 3 years. If approved, staff would at the appropriate time request approval for a pre-commitment of funds for the second and third year.

#### Accessibility Considerations

The new facility will meet the 2015 AODA Built Environment requirements for accessibility.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |                                    | Project<br>Total | Approved<br>Pre-2022 | Requested    |                |                |      |                 | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|------------------------------------|------------------|----------------------|--------------|----------------|----------------|------|-----------------|-----------------|-----------------|
|                           |                                    |                  |                      | 2022         | 2023           | 2024           | 2025 | 2026            |                 |                 |
| Department                | Corporate and Legislative Services |                  |                      |              |                |                |      |                 |                 |                 |
| Division                  | Finance - Facilities Management    |                  |                      |              |                |                |      |                 |                 |                 |
| Project Description       | New Peterborough Police Station    |                  |                      |              |                |                |      |                 |                 |                 |
| Project #                 | 3-1.05                             |                  |                      |              |                |                |      |                 |                 |                 |
| Expenditures              |                                    |                  |                      |              |                |                |      |                 |                 |                 |
| Contractual Services      |                                    | 68,000.0         | 127.2                | 372.8        | 4,000.0        | 2,000.0        |      | 26,000.0        | 35,500.0        |                 |
| Total Direct Revenue      |                                    | <u>68,000.0</u>  | <u>127.2</u>         | <u>372.8</u> | <u>4,000.0</u> | <u>2,000.0</u> |      | <u>26,000.0</u> | <u>35,500.0</u> |                 |
| Net Requirements          |                                    | <u>68,000.0</u>  | <u>127.2</u>         | <u>372.8</u> | <u>4,000.0</u> | <u>2,000.0</u> |      | <u>26,000.0</u> | <u>35,500.0</u> |                 |
| To Be Financed From:      |                                    |                  |                      |              |                |                |      |                 |                 |                 |
| Debentures                |                                    |                  |                      |              |                |                |      |                 |                 |                 |
| Deb Rev-Tax Supported     |                                    | 25,221.9         |                      | 372.8        | 2,500.0        |                |      | 9,448.4         | 12,900.7        |                 |
| DEBT DC-Police            |                                    | 39,150.9         |                      |              |                |                |      | 16,551.6        | 22,599.3        |                 |
| Total Debenture Financing |                                    | <u>64,372.8</u>  |                      | <u>372.8</u> | <u>2,500.0</u> |                |      | <u>26,000.0</u> | <u>35,500.0</u> |                 |
| Development Charges       |                                    |                  |                      |              |                |                |      |                 |                 |                 |
| DC - Police               |                                    | <u>97.7</u>      | <u>97.7</u>          |              |                |                |      |                 |                 |                 |
| Total Development Charges |                                    | <u>97.7</u>      | <u>97.7</u>          |              |                |                |      |                 |                 |                 |
| Reserves                  |                                    |                  |                      |              |                |                |      |                 |                 |                 |
| Facilities Mgmt Reserve   |                                    | <u>29.5</u>      | <u>29.5</u>          |              |                |                |      |                 |                 |                 |
| Total Reserves            |                                    | <u>29.5</u>      | <u>29.5</u>          |              |                |                |      |                 |                 |                 |
| Capital Levy              |                                    | <u>3,500.0</u>   |                      |              | <u>1,500.0</u> | <u>2,000.0</u> |      |                 |                 |                 |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description   | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |      | 2024  |      | 2025 & After |       |
|---|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|------|-------|------|--------------|-------|
|   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net  | Total | Net  | Total        | Net   |
| Corporate and Legislative Services<br>Facilities Management |        |               |                   |             |     |          |          |         |     |       |       |      |       |      |              |       |
| Facility Room Name & Numbers Signs                          | 3-1.06 | 250.0         |                   | 50.0        |     | 50.0     | 50.0     |         |     |       | 50.0  | 50.0 | 50.0  | 50.0 | 100.0        | 100.0 |
| Total   |        | 250.0         |                   | 50.0        |     | 50.0     | 50.0     |         |     |       | 50.0  | 50.0 | 50.0  | 50.0 | 100.0        | 100.0 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Corporate and Legislative Services

**Budget Reference #:** 3-1.06

**Division:** Finance - Facilities Management

**Project Name & Description**

Facility Room Name & Numbers Signs

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

Current City Facilities do not all have wayfinding signage and room numbers. This five year project would install new wayfinding signage and room numbers in all City Facilities to assist the public and staff and the room numbers will assist contractors in servicing the facilities with the Facilities Management Divisions Work Order System.

**Accessibility Considerations**

City Hall was recently upgraded to have wayfinding signage and room numbers as a new standard that meets all accessibility requirements.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                    | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |             | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|------------------------------------|------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|--|
|                      |                                    |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026        |                 |                 |  |
| Department           | Corporate and Legislative Services |                  |                      |             |             |             |             |             |                 |                 |  |
| Division             | Finance - Facilities Management    |                  |                      |             |             |             |             |             |                 |                 |  |
| Project Description  | Facility Room Name & Numbers Signs |                  |                      |             |             |             |             |             |                 |                 |  |
| Project #            | 3-1.06                             |                  |                      |             |             |             |             |             |                 |                 |  |
| Expenditures         |                                    |                  |                      |             |             |             |             |             |                 |                 |  |
| Contractual Services |                                    | 250.0            |                      | 50.0        | 50.0        | 50.0        | 50.0        | 50.0        |                 |                 |  |
| Total Direct Revenue |                                    | <u>250.0</u>     |                      | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> |                 |                 |  |
| Net Requirements     |                                    | <u>250.0</u>     |                      | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> |                 |                 |  |
| To Be Financed From: |                                    |                  |                      |             |             |             |             |             |                 |                 |  |
| Capital Levy         |                                    | <u>250.0</u>     |                      | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> | <u>50.0</u> |                 |                 |  |



**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description   | Ref    | Project Total | Approved Pre-2022 | 2022        |       |          |          |         |          |         | 2023     |          | 2024     |          | 2025 & After |          |
|---|--------|---------------|-------------------|-------------|-------|----------|----------|---------|----------|---------|----------|----------|----------|----------|--------------|----------|
|   |        |               |                   | Total Costs | Rev   | Net Cost | Cap Levy | Dev Chg | Deb      | Other   | Total    | Net      | Total    | Net      | Total        | Net      |
| Corporate and Legislative Services<br>Facilities and Planning Initiatives |        |               |                   |             |       |          |          |         |          |         |          |          |          |          |              |          |
| New Arena and Aquatics Complex  | 3-2.01 | 90,000.0      | 3,500.0           | 12,500.0    |       | 12,500.0 |          |         | 8,500.0  | 4,000.0 | 25,000.0 | 25,000.0 | 24,000.0 | 23,000.0 | 25,000.0     | 24,000.0 |
| Fire Station #2   | 3-2.02 | 11,000.0      | 3,700.0           | 7,300.0     |       | 7,300.0  |          |         | 7,200.0  | 100.0   |          |          |          |          |              |          |
| Ball Diamond Park Improvements  | 3-2.03 | 722.4         |                   | 722.4       | 500.0 | 222.4    |          |         | 222.4    |         |          |          |          |          |              |          |
| Improvements to Morrow Park   | 3-2.04 | 6,340.0       | 340.0             |             |       |          |          |         |          |         | 2,000.0  | 2,000.0  | 2,500.0  | 2,500.0  | 1,500.0      | 1,500.0  |
| Park Washroom Replacement Buildings                                       | 3-2.05 | 1,582.6       | 932.6             |             |       |          |          |         |          |         | 650.0    | 650.0    |          |          |              |          |
| Wading Pool Conversions/New Splash Pads                                   | 3-2.06 | 3,940.0       | 1,270.0           |             |       |          |          |         |          |         | 375.0    | 375.0    | 360.0    | 360.0    | 1,935.0      | 1,935.0  |
| Fire station 4  | 3-2.07 | 15,500.0      |                   |             |       |          |          |         |          |         |          |          |          |          | 15,500.0     | 15,500.0 |
| Development of New Ball Diamonds and Field House                          | 3-2.08 | 14,500.0      |                   |             |       |          |          |         |          |         |          |          |          |          | 14,500.0     | 14,500.0 |
| Construction of a New Washroom Building at Trent Ball Diamond             | 3-2.09 | 650.0         |                   |             |       |          |          |         |          |         |          |          |          |          | 650.0        | 650.0    |
| Total   |        | 144,235.0     | 9,742.6           | 20,522.4    | 500.0 | 20,022.4 |          |         | 15,922.4 | 4,100.0 | 28,025.0 | 28,025.0 | 26,860.0 | 25,860.0 | 59,085.0     | 58,085.0 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Corporate and Legislative Services

**Budget Reference #:** 3-2.01

**Division:** Finance - Facilities and Planning Initiatives

**Climate Mitigation:** Yes

**Climate Adaptation:** Yes

### Project Name & Description

New Arena and Aquatics Complex

### Commitments Made

Council approved Report CSD21-009 selecting Morrow Park for the location of the Arena and Aquatics Complex and the conceptual design for Phases 1 and 2. The Report approved by Council pre-committed \$12,500,000 of the 2022 Capital Budget with a further \$49 Million in 2023 and 2024 for this project. The Report approved detailed design and construction of Phase 1 Arena with conceptual design of Phase 2 Aquatics Complex.

### Effects on Future Operating Budgets

The facility is recommended to contain a twin pad facility, team training centre, indoor track, multipurpose rooms, commercial space and leased office space built to a LEED CaGBC standard. A new twin pad facility will operate more efficiently on a square foot basis and will see a lower municipal cost investment than the existing Northcrest Arena due to economies of scale, energy efficiencies and new revenue potential.

### Project Detail, Justification & Reference Map

Capital resources for this project are essential in order to plan, develop and construct a replacement facility for Northcrest Arena. The project is planned for phased construction.

| Year | Description   | Value        |
|------|---|--------------|
| 2015 | Feasibility Study                                     | \$ 500,000   |
| 2016 | Schematic Design and costing studies                  | \$1,500,000  |
| 2018 | Completion of detailed design                         | \$1,000,000  |
| 2020 | New Site options and funding opportunities considered |              |
| 2021 | New site selected and conceptual design               | \$500,000.   |
| 2022 | Detailed Design, Tendering, Construction Start        | \$12,500,000 |

Future Pre-committed Budgets include:

|      |   |              |
|------|---|--------------|
| 2023 | Construction Phase 1 continued            | \$25,000,000 |
| 2024 | Construction completion and commissioning | \$24,000,000 |
| 2027 | Phase 2 Aquatics Complex                  | \$25,000,000 |

This project is eligible for development charges that address community growth needs.

### Accessibility Considerations

Facility will meet the 2015 AODA Built Environment requirements.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                   |   | Project<br>Total | Approved<br>Pre-2022 | Requested       |                 |                 |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------------|---|------------------|----------------------|-----------------|-----------------|-----------------|------|------|-----------------|-----------------|
|                                   |   |                  |                      | 2022            | 2023            | 2024            | 2025 | 2026 |                 |                 |
| Department                        | Corporate and Legislative Services            |                  |                      |                 |                 |                 |      |      |                 |                 |
| Division                          | Finance - Facilities and Planning Initiatives |                  |                      |                 |                 |                 |      |      |                 |                 |
| Project Description               | New Arena and Aquatics Complex                |                  |                      |                 |                 |                 |      |      |                 |                 |
| Project #                         | 3-2.01  |                  |                      |                 |                 |                 |      |      |                 |                 |
| Expenditures                      |   |                  |                      |                 |                 |                 |      |      |                 |                 |
| Contractual Services              |   | 90,000.0         | 3,500.0              | 12,500.0        | 25,000.0        | 24,000.0        |      |      | 25,000.0        |                 |
|                                   |   |                  |                      |                 |                 |                 |      |      |                 |                 |
| Direct Revenue                    |   |                  |                      |                 |                 |                 |      |      |                 |                 |
| Community Sponsors                |   | 2,000.0          |                      |                 |                 | 1,000.0         |      |      | 1,000.0         |                 |
| Other Recoveries                  |   | 300.0            | 300.0                |                 |                 |                 |      |      |                 |                 |
|                                   |   |                  |                      |                 |                 |                 |      |      |                 |                 |
| Total Direct Revenue              |   | <u>2,300.0</u>   | <u>300.0</u>         |                 |                 | <u>1,000.0</u>  |      |      | <u>1,000.0</u>  |                 |
| Net Requirements                  |   | <u>87,700.0</u>  | <u>3,200.0</u>       | <u>12,500.0</u> | <u>25,000.0</u> | <u>23,000.0</u> |      |      | <u>24,000.0</u> |                 |
| To Be Financed From:              |   |                  |                      |                 |                 |                 |      |      |                 |                 |
| Debentures                        |   |                  |                      |                 |                 |                 |      |      |                 |                 |
| Deb Rev-Tax Supported             |   | 16,889.4         |                      | 281.9           | 9,125.0         | 7,482.5         |      |      |                 |                 |
| Deb Rev - User Charges            |   | 2,500.0          |                      |                 |                 | 2,500.0         |      |      |                 |                 |
| DEBT DC-Recreation                |   | 61,110.6         |                      | 8,218.1         | 15,875.0        | 13,017.5        |      |      | 24,000.0        |                 |
| Total Debenture Financing         |   | <u>80,500.0</u>  |                      | <u>8,500.0</u>  | <u>25,000.0</u> | <u>23,000.0</u> |      |      | <u>24,000.0</u> |                 |
| Development Charges               |   |                  |                      |                 |                 |                 |      |      |                 |                 |
| DC - Recreation                   |   | 1,751.4          | 1,751.4              |                 |                 |                 |      |      |                 |                 |
| Total Development Charges         |   | <u>1,751.4</u>   | <u>1,751.4</u>       |                 |                 |                 |      |      |                 |                 |
| Reserves                          |   |                  |                      |                 |                 |                 |      |      |                 |                 |
| Canada Community-Build Fund (FGT) |   | 4,000.0          |                      | 4,000.0         |                 |                 |      |      |                 |                 |
| Capital Levy Reserve              |   | 556.7            | 556.7                |                 |                 |                 |      |      |                 |                 |
| Total Reserves                    |   | <u>4,556.7</u>   | <u>556.7</u>         | <u>4,000.0</u>  |                 |                 |      |      |                 |                 |
| Capital Levy                      |   | <u>891.9</u>     | <u>891.9</u>         |                 |                 |                 |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-2.02**Division:** Finance - Facilities and Planning Initiatives**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Fire Station #2

**Commitments Made**

Report CAO21-004 approved by Council in April 2021 pre-committed \$7,300,000 of the 2022 Capital Budget for this project.

**Effects on Future Operating Budgets**

The building is being designed and constructed to target Net Zero Energy Performance Standards and will see lower costs of operation and maintenance on the future operating budget.

**Project Detail, Justification & Reference Map**

Relocation plans for Fire Station #2 have been in development for several years to replace the existing aged Fire Station #2. Council approved Report CAO21-004 that selected a site location for Fire Station #2 at 100, Marina Boulevard, the former site of the Northcrest Arena. In 2021 work commenced on the design of Fire Station #2 at the new location. In 2022 the project construction will commence with completion of the facility anticipated in 2023.

**Accessibility Considerations**

The new facility will meet the requirements of the Ontario Building Code for accessibility.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                    |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|------------------------------------|---|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                                    |   |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                         | Corporate and Legislative Services            |                  |                      |           |      |      |      |      |                 |                 |
| Division                           | Finance - Facilities and Planning Initiatives |                  |                      |           |      |      |      |      |                 |                 |
| Project Description                | Fire Station #2                               |                  |                      |           |      |      |      |      |                 |                 |
| Project #                          | 3-2.02  |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                       |   |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services               | 11,000.0                                      | 3,700.0          | 7,300.0              |           |      |      |      |      |                 |                 |
| Total Direct Revenue               | <u>11,000.0</u>                               | <u>3,700.0</u>   | <u>7,300.0</u>       |           |      |      |      |      |                 |                 |
| Net Requirements                   | <u>11,000.0</u>                               | <u>3,700.0</u>   | <u>7,300.0</u>       |           |      |      |      |      |                 |                 |
| To Be Financed From:               |   |                  |                      |           |      |      |      |      |                 |                 |
| Debentures                         |   |                  |                      |           |      |      |      |      |                 |                 |
| Deb Rev-Tax Supported              | 5,300.0                                       | 1,750.0          | 3,550.0              |           |      |      |      |      |                 |                 |
| DEBT DC-Fire                       | 5,400.0                                       | 1,750.0          | 3,650.0              |           |      |      |      |      |                 |                 |
| Total Debenture Financing          | <u>10,700.0</u>                               | <u>3,500.0</u>   | <u>7,200.0</u>       |           |      |      |      |      |                 |                 |
| Development Charges                |   |                  |                      |           |      |      |      |      |                 |                 |
| DC - Fire                          | 73.0  | 73.0             |                      |           |      |      |      |      |                 |                 |
| Total Development Charges          | <u>73.0</u>                                   | <u>73.0</u>      |                      |           |      |      |      |      |                 |                 |
| Reserves                           |   |                  |                      |           |      |      |      |      |                 |                 |
| Climate Change action plan reserve | 100.0   |                  | 100.0                |           |      |      |      |      |                 |                 |
| Total Reserves                     | <u>100.0</u>                                  |                  | <u>100.0</u>         |           |      |      |      |      |                 |                 |
| Capital Levy                       | <u>127.0</u>                                  | <u>127.0</u>     |                      |           |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-2.03**Division:** Finance - Facilities and Planning Initiatives**Project Name & Description**

Ball Diamond Park Improvements

This budget request will fund enhancements to improve existing City Ball Diamonds. It will provide new lighting to increase community field use and updates to improve accessibility.

**Commitments Made****Effects on Future Operating Budgets**

Future operating budgets will reflect the cost of lighting operations and maintenance.

**Project Detail, Justification & Reference Map**

Planned improvements to Ball Diamonds has been implemented to maintain community hours available to ball diamond user groups along with additional enhancements to improve accessibility.

Three ball diamonds are being displaced following Council approval of for the twin pad arena at Morrow Park. Providing alternate solutions to maintain the current level of scheduling for ball diamond facilities is a priority.

The City has applied to Ontario Trillium Foundation (OTF) Community Building Fund to support this project. The OTF grant would support \$500,000 of the project cost, the 2022 budget request of \$222,425 will support the City portion should the application be successful.

**Accessibility Considerations**

The project will support enhancements to accessibility in line with AODA guidelines.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---|------------------|----------------------|--------------|------|------|------|------|-----------------|-----------------|--|
|                           |   |                  |                      | 2022         | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Corporate and Legislative Services            |                  |                      |              |      |      |      |      |                 |                 |  |
| Division                  | Finance - Facilities and Planning Initiatives |                  |                      |              |      |      |      |      |                 |                 |  |
| Project Description       | Ball Diamond Park Improvements                |                  |                      |              |      |      |      |      |                 |                 |  |
| Project #                 | 3-2.03  |                  |                      |              |      |      |      |      |                 |                 |  |
| Expenditures              |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Contractual Services      |   | 722.4            |                      | 722.4        |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>722.4</u>     |                      | <u>722.4</u> |      |      |      |      |                 |                 |  |
| Direct Revenue            |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Provincial grant          |   | 500.0            |                      | 500.0        |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>500.0</u>     |                      | <u>500.0</u> |      |      |      |      |                 |                 |  |
| Net Requirements          |   | <u>222.4</u>     |                      | <u>222.4</u> |      |      |      |      |                 |                 |  |
| To Be Financed From:      |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Debentures                |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |   | 222.4            |                      | 222.4        |      |      |      |      |                 |                 |  |
| Total Debenture Financing |   | <u>222.4</u>     |                      | <u>222.4</u> |      |      |      |      |                 |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Corporate and Legislative Services

**Budget Reference #:** 3-2.04

**Division:** Finance - Facilities and Planning Initiatives

### Project Name & Description

Morrow Park Redevelopment Project

### Commitments Made

Council approved Report CSAD11-011 adopting the Morrow Park Masterplan Design Study. In 2017 a new license agreement was executed with the Agricultural Society supporting the Society's use of Morrow Park.

In 2021, Council Report CSD21-009 approved Morrow Park as the location for the New Arena and Aquatics Complex and recommendations to address the impact to the Agricultural Society and the loss of three ball diamonds.

### Effects on Future Operating Budgets

Implementation of this project will reduce the number of ball diamonds being maintained at this location but will provide a new linear park that will require maintenance.

### Project Detail, Justification & Reference Map

The Grandstand and Lounge Building were demolished in 2013 and 2014 as the first stage of implementation of the Morrow Park Masterplan Design Study. In 2018 a budget of \$340,000 was approved for the next stage of the plan.

In 2020/2021 the overall site design was amended to accommodate the New Arena and Aquatics Complex on the site. The Morrow Park Masterplan Design Study continues to provide guidance for some elements of the park.

In 2022, utilizing the funds approved in prior years, staff will continue to plan and develop a design for the centre portion of Morrow Park to accommodate the 2017 agreement with Agricultural Society and the repositioning of an existing Ball Diamond.

In 2023/2024 an estimated cost of \$4.5 Million for phased implementation of an updated plan for the Morrow Park Centre Section will be requested.

In 2025 an estimated budget of \$1.5 Million will be requested to support the completion of the linear park elements of the Morrow Park Masterplan Design

### Accessibility Considerations

The project will meet all AODA requirements



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project      | Approved | Requested      |                |                |      |      | 2027 to | 2032 to |
|---------------------------|---|--------------|----------|----------------|----------------|----------------|------|------|---------|---------|
|                           |   | Total        | Pre-2022 | 2022           | 2023           | 2024           | 2025 | 2026 | 2031    | 2046    |
| Department                | Corporate and Legislative Services            |              |          |                |                |                |      |      |         |         |
| Division                  | Finance - Facilities and Planning Initiatives |              |          |                |                |                |      |      |         |         |
| Project Description       | Improvements to Morrow Park                   |              |          |                |                |                |      |      |         |         |
| Project #                 | 3-2.04  |              |          |                |                |                |      |      |         |         |
| Expenditures              |   |              |          |                |                |                |      |      |         |         |
| Contractual Services      | 6,340.0                                       | 340.0        |          | 2,000.0        | 2,500.0        | 1,500.0        |      |      |         |         |
| Net Requirements          | <u>6,340.0</u>                                | <u>340.0</u> |          | <u>2,000.0</u> | <u>2,500.0</u> | <u>1,500.0</u> |      |      |         |         |
| To Be Financed From:      |   |              |          |                |                |                |      |      |         |         |
| Debentures                |   |              |          |                |                |                |      |      |         |         |
| Deb Rev-Tax Supported     | <u>6,000.0</u>                                |              |          | <u>2,000.0</u> | <u>2,500.0</u> | <u>1,500.0</u> |      |      |         |         |
| Total Debenture Financing | <u>6,000.0</u>                                |              |          | <u>2,000.0</u> | <u>2,500.0</u> | <u>1,500.0</u> |      |      |         |         |
| Reserves                  |   |              |          |                |                |                |      |      |         |         |
| Capital Levy Reserve      | <u>340.0</u>                                  | <u>340.0</u> |          |                |                |                |      |      |         |         |
| Total Reserves            | <u>340.0</u>                                  | <u>340.0</u> |          |                |                |                |      |      |         |         |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-2.05**Division:** Finance - Facilities and Planning Initiatives**Project Name & Description**

Park Washroom Replacement Buildings

This budget requests funds to replace washroom buildings that are in excess of 50 years old with modern, accessible facilities.

**Commitments Made****Effects on Future Operating Budgets**

Replacement facilities that are modernized, efficient and durable will reduce the annual maintenance by Public Works staff.

**Project Detail, Justification & Reference Map**

Three park washroom buildings were identified as aged and in poor condition in active use parks. Replacement facilities, that serve a broader sector of the public, are recommended.

The City replaced King Edward Park washroom building in 2016 and Nicholl's Oval Park washroom building in 2018.

The 2023 request of \$650,000 is to replace the Jackson Park washroom facility and complete this multi year project.

**Accessibility Considerations**

The facilities recommended in this budget will meet or exceed the minimum accessibility requirements of the Ontario Building Code.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |       |
|-----------------------------------|---|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|-------|
|                                   |   |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |       |
| Department                        | Corporate and Legislative Services            |                  |                      |           |      |      |      |      |                 |                 |       |
| Division                          | Finance - Facilities and Planning Initiatives |                  |                      |           |      |      |      |      |                 |                 |       |
| Project Description               | Park Washroom Replacement Buildings           |                  |                      |           |      |      |      |      |                 |                 |       |
| Project #                         | 3-2.05  |                  |                      |           |      |      |      |      |                 |                 |       |
| Expenditures                      |   |                  |                      |           |      |      |      |      |                 |                 |       |
| Contractual Services              | 1,582.6                                       | 932.6            |                      |           |      |      |      |      |                 |                 | 650.0 |
|                                   |   |                  |                      |           |      |      |      |      |                 |                 |       |
| Direct Revenue                    |   |                  |                      |           |      |      |      |      |                 |                 |       |
| Contribution from related project | 12.6  | 12.6             |                      |           |      |      |      |      |                 |                 |       |
| Total Direct Revenue              | 12.6  | 12.6             |                      |           |      |      |      |      |                 |                 |       |
| Net Requirements                  | 1,570.0                                       | 920.0            |                      | 650.0     |      |      |      |      |                 |                 |       |
| To Be Financed From:              |   |                  |                      |           |      |      |      |      |                 |                 |       |
| Debentures                        |   |                  |                      |           |      |      |      |      |                 |                 |       |
| Deb Rev-Tax Supported             | 1,475.0                                       | 825.0            |                      | 650.0     |      |      |      |      |                 |                 |       |
| Total Debenture Financing         | 1,475.0                                       | 825.0            |                      | 650.0     |      |      |      |      |                 |                 |       |
| Reserves                          |   |                  |                      |           |      |      |      |      |                 |                 |       |
| Capital Levy Reserve              | 95.0  | 95.0             |                      |           |      |      |      |      |                 |                 |       |
| Total Reserves                    | 95.0  | 95.0             |                      |           |      |      |      |      |                 |                 |       |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Corporate and Legislative Services

**Budget Reference #:** 3-2.06

**Division:** Finance - Facilities and Planning Initiatives

### Project Name & Description

#### Wading Pool Conversions/New Splash Pads

This project delivers new water play opportunities in children's playgrounds through a strategic plan. The first recommendation is the ongoing replacement of existing wading pools with new splash pads. The second recommendation is for new water play facilities in under served areas in Peterborough. The final recommendation is a splash pad for Beavermead Park.

### Commitments Made

### Effects on Future Operating Budgets

The conversion of wading pools to splash pads will see the elimination of lifeguard supervision and chlorine supplies each year.

### Project Detail, Justification & Reference Map

The Arenas, Parks & Recreation Advisory Committee have supported a comprehensive strategy to offer cost effective water play facilities.

The City currently operates three supervised wading pools located at Chelsea Gardens, Knights of Columbus Park and John Taylor Memorial Park which are showing signs of decline and require replacement.

A strategy to address aging infrastructure and demands for new facilities was included in Report APRAC21-006 Update to Outdoor Water Play Facilities Capital Strategy.

New splash pad facilities are identified in this Report for the areas of Peterborough South West End and West End, locations to be determined. This report is further supported by the Vision 2025 report that currently identifies a shortfall in water play and splash pads within the City.

In 2017, Barnardo Park wading pool was converted to a splash pad and in 2021 Turner Park and Hamilton Park were updated as part of the water play strategy.

The next splash pad will be in the South West End of the City at a location to be determined with funding request planned for the 2023 budget approval.

### Accessibility Considerations

All new facilities will address AODA requirements for accessibility of outdoor playscapes.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                 |   | Project<br>Total | Approved<br>Pre-2022 | Requested |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------------|---|------------------|----------------------|-----------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                                 |   |                  |                      | 2022      | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department                      | Corporate and Legislative Services            |                  |                      |           |              |              |              |              |                 |                 |
| Division                        | Finance - Facilities and Planning Initiatives |                  |                      |           |              |              |              |              |                 |                 |
| Project Description             | Wading Pool Conversions/New Splash Pads       |                  |                      |           |              |              |              |              |                 |                 |
| Project #                       | 3-2.06  |                  |                      |           |              |              |              |              |                 |                 |
| Expenditures                    |   |                  |                      |           |              |              |              |              |                 |                 |
| Contractual Services            |   | 3,940.0          | 1,270.0              |           | 375.0        | 360.0        | 375.0        | 380.0        | 1,180.0         |                 |
| Total Direct Revenue            |   | <u>3,940.0</u>   | <u>1,270.0</u>       |           | <u>375.0</u> | <u>360.0</u> | <u>375.0</u> | <u>380.0</u> | <u>1,180.0</u>  |                 |
| Direct Revenue                  |   |                  |                      |           |              |              |              |              |                 |                 |
| Provincial Grant Capital Assets |   | 300.0            | 300.0                |           |              |              |              |              |                 |                 |
| Tollington trust revenue        |   | 150.0            | 150.0                |           |              |              |              |              |                 |                 |
| Total Direct Revenue            |   | <u>450.0</u>     | <u>450.0</u>         |           |              |              |              |              |                 |                 |
| Net Requirements                |   | <u>3,490.0</u>   | <u>820.0</u>         |           | <u>375.0</u> | <u>360.0</u> | <u>375.0</u> | <u>380.0</u> | <u>1,180.0</u>  |                 |
| To Be Financed From:            |   |                  |                      |           |              |              |              |              |                 |                 |
| Debentures                      |   |                  |                      |           |              |              |              |              |                 |                 |
| Deb Rev-Tax Supported           |   | 320.0            | 320.0                |           |              |              |              |              |                 |                 |
| Total Debenture Financing       |   | <u>320.0</u>     | <u>320.0</u>         |           |              |              |              |              |                 |                 |
| Reserves                        |   |                  |                      |           |              |              |              |              |                 |                 |
| Capital Levy Reserve            |   | 300.0            | 300.0                |           |              |              |              |              |                 |                 |
| Casino Gaming Reserve           |   | 200.0            | 200.0                |           |              |              |              |              |                 |                 |
| Total Reserves                  |   | <u>500.0</u>     | <u>500.0</u>         |           |              |              |              |              |                 |                 |
| Capital Levy                    |   | <u>2,670.0</u>   |                      |           | <u>375.0</u> | <u>360.0</u> | <u>375.0</u> | <u>380.0</u> | <u>1,180.0</u>  |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Corporate and Legislative Services**Budget Reference #:** 3-2.07**Division:** Finance - Facilities and Planning Initiatives**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

New Fire Station 4

**Commitments Made****Effects on Future Operating Budgets**

The new Fire Station 4 will require an increase to the annual operating budget to operate the facility. The annual operating budget will also increase to support the staffing complement required for an additional fire station.

**Project Detail, Justification & Reference Map**

Currently Fire Services have three stations strategically located across the City. Report CSF10-001(b) identified the long term planning need for a Fire station 4 to align with City growth. Report CAO20 - 004 identified the preferred location for Fire Station #4 in the City's east side, in the Lansdowne Street and Ashburnham Drive intersection area. Capital resources will be necessary to plan, develop and construct Fire Station #4.

Estimated Capital costs for the project include the cost to acquire land for this facility, the required funding could be reduced if City owned land was identified as a suitable location.

| Year | Description                            | Value       |
|------|--|-------------|
| 2025 | Feasibility Study and Land Purchase    | \$2,000,000 |
| 2026 | Schematic Design, Detailed Design      | \$1,500,000 |
| 2027 | Construction Tender and Contract Award | \$6,000,000 |
| 2028 | Construction funding                   | \$6,000,000 |

If approved, staff would at the appropriate time request approval for a pre-commitment of construction funding.

**Accessibility Considerations**

The new facility will meet the Ontario Building Code AODA Built Environment requirements for accessibility.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |                |                |                 | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|-----------|------|----------------|----------------|-----------------|-----------------|-----------------|
|                           |   |                  |                      | 2022      | 2023 | 2024           | 2025           | 2026            |                 |                 |
| Department                | Corporate and Legislative Services            |                  |                      |           |      |                |                |                 |                 |                 |
| Division                  | Finance - Facilities and Planning Initiatives |                  |                      |           |      |                |                |                 |                 |                 |
| Project Description       | Fire station 4                                |                  |                      |           |      |                |                |                 |                 |                 |
| Project #                 | 3-2.07  |                  |                      |           |      |                |                |                 |                 |                 |
| Expenditures              |   |                  |                      |           |      |                |                |                 |                 |                 |
| Contractual Services      |   | 15,500.0         |                      |           |      | 2,000.0        | 1,500.0        | 12,000.0        |                 |                 |
| Net Requirements          |   | <u>15,500.0</u>  |                      |           |      | <u>2,000.0</u> | <u>1,500.0</u> | <u>12,000.0</u> |                 |                 |
| To Be Financed From:      |   |                  |                      |           |      |                |                |                 |                 |                 |
| Debentures                |   |                  |                      |           |      |                |                |                 |                 |                 |
| DEBT DC-Fire              |   | 15,500.0         |                      |           |      | 2,000.0        | 1,500.0        | 12,000.0        |                 |                 |
| Total Debenture Financing |   | <u>15,500.0</u>  |                      |           |      | <u>2,000.0</u> | <u>1,500.0</u> | <u>12,000.0</u> |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-2.08**Division:** Corporate - Facilities and Planning Initiatives**Project Name & Description**

Development of New Ball Diamonds and Field House

This budget requests funds for the development of four new baseball diamonds and a field house to meet the ongoing growth of community sports and provide year round covered access to one sports field.

The field house would be a building enclosing a large area suitable for various forms of athletics and spectator seating.

**Commitments Made****Effects on Future Operating Budgets**

Future operating budgets will reflect the cost of maintaining this facility.

**Project Detail, Justification & Reference Map**

Funds allocated within this budget are for the development of sports field facilities. For example, the relocation of ball diamonds from Morrow Park should the Morrow grounds be altered as identified in the Morrow Park Master Plan.

The addition of a Field House will provide year-round access to an indoor track, athletic field, as well as court options for basketball, ball hockey, and racquet sports. It will provide a multi-functional facility that will meet the needs of the community including the capacity to accommodate many varied and unique training activities, as well as clinics and workshops.

Funds allocated in 2025 will explore potential site locations and conceptual design for this project.

**Accessibility Considerations**

The facilities recommended will meet the AODA guidelines for fully accessible design.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |  | Project         | Approved | Requested |      |      |              |                | 2027 to         | 2032 to |
|---------------------------|--|-----------------|----------|-----------|------|------|--------------|----------------|-----------------|---------|
|                           |  | Total           | Pre-2022 | 2022      | 2023 | 2024 | 2025         | 2026           | 2031            | 2046    |
| Department                | Corporate and Legislative Services               |                 |          |           |      |      |              |                |                 |         |
| Division                  | Corporate - Facilities and Planning Initiatives  |                 |          |           |      |      |              |                |                 |         |
| Project Description       | Development of New Ball Diamonds and Field House |                 |          |           |      |      |              |                |                 |         |
| Project #                 | 3-2.08   |                 |          |           |      |      |              |                |                 |         |
| Expenditures              |  |                 |          |           |      |      |              |                |                 |         |
| Contractual Services      |  | 14,500.0        |          |           |      |      | 100.0        | 2,000.0        | 12,400.0        |         |
| Total Direct Revenue      |  | <u>14,500.0</u> |          |           |      |      | <u>100.0</u> | <u>2,000.0</u> | <u>12,400.0</u> |         |
| Net Requirements          |  | <u>14,500.0</u> |          |           |      |      | <u>100.0</u> | <u>2,000.0</u> | <u>12,400.0</u> |         |
| To Be Financed From:      |  |                 |          |           |      |      |              |                |                 |         |
| Debentures                |  |                 |          |           |      |      |              |                |                 |         |
| Deb Rev-Tax Supported     |  | 6,640.0         |          |           |      |      |              |                | 6,640.0         |         |
| DEBT DC-Parks             |  | 6,400.0         |          |           |      |      |              | 640.0          | 5,760.0         |         |
| Total Debenture Financing |  | <u>13,040.0</u> |          |           |      |      |              | <u>640.0</u>   | <u>12,400.0</u> |         |
| Capital Levy              |  | <u>1,460.0</u>  |          |           |      |      | <u>100.0</u> | <u>1,360.0</u> |                 |         |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-2.09**Division:** Finance - Facilities and Planning Initiatives**Project Name & Description**

Construction of a New Washroom Building at Trent Ball Diamond

This budget request will fund a new washroom building at the baseball diamond and sport field facility at Trent University.

**Commitments Made****Effects on Future Operating Budgets**

Future operating budgets will reflect the cost of maintaining this washroom facility.

**Project Detail, Justification & Reference Map**

The baseball diamond and sport field facility at Trent University was completed in 2016. The original master plan for the project identified a location for a future plan washroom building. External servicing was added along Pioneer Road in 2019 that would support development in this area allowing a washroom building to be further considered at this facility location.

**Accessibility Considerations**

This facility will meet the requirements of the Ontario Building Code for accessibility. The building will accommodate provision of accessible, all inclusive universal washroom design.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |              |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|-----------|------|------|--------------|------|-----------------|-----------------|
|                           |   |                  |                      | 2022      | 2023 | 2024 | 2025         | 2026 |                 |                 |
| Department                | Corporate and Legislative Services                            |                  |                      |           |      |      |              |      |                 |                 |
| Division                  | Finance - Facilities and Planning Initiatives                 |                  |                      |           |      |      |              |      |                 |                 |
| Project Description       | Construction of a New Washroom Building at Trent Ball Diamond |                  |                      |           |      |      |              |      |                 |                 |
| Project #                 | 3-2.09  |                  |                      |           |      |      |              |      |                 |                 |
| Expenditures              |   |                  |                      |           |      |      |              |      |                 |                 |
| Contractual Services      |   | 650.0            |                      |           |      |      | 650.0        |      |                 |                 |
| Total Direct Revenue      |   | <u>650.0</u>     |                      |           |      |      | <u>650.0</u> |      |                 |                 |
| Net Requirements          |   | <u>650.0</u>     |                      |           |      |      | <u>650.0</u> |      |                 |                 |
| To Be Financed From:      |   |                  |                      |           |      |      |              |      |                 |                 |
| Debentures                |   |                  |                      |           |      |      |              |      |                 |                 |
| Deb Rev-Tax Supported     |   | 357.5            |                      |           |      |      | 357.5        |      |                 |                 |
| DEBT DC-Parks             |   | 292.5            |                      |           |      |      | 292.5        |      |                 |                 |
| Total Debenture Financing |   | <u>650.0</u>     |                      |           |      |      | <u>650.0</u> |      |                 |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                               | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023    |         | 2024    |         | 2025 & After |          |
|---|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|---------|---------|---------|---------|--------------|----------|
|   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total   | Net     | Total   | Net     | Total        | Net      |
| Corporate and Legislative Services                |        |               |                   |             |     |          |          |         |     |       |         |         |         |         |              |          |
| Information Technology                            |        |               |                   |             |     |          |          |         |     |       |         |         |         |         |              |          |
| Next Generation 9-1-1                             | 3-3.01 | 1,100.0       | 450.0             | 400.0       |     | 400.0    | 400.0    |         |     |       | 250.0   | 250.0   |         |         |              |          |
| Peterborough Technology Services - City Capital   | 3-3.02 | 3,564.5       |                   | 264.5       |     | 264.5    | 64.5     |         |     | 200.0 | 500.0   | 500.0   | 325.0   | 325.0   | 2,475.0      | 2,475.0  |
| City Departmental Projects                        | 3-3.03 | 7,662.5       |                   | 212.5       |     | 212.5    | 142.8    |         |     | 69.7  | 800.0   | 800.0   | 800.0   | 800.0   | 5,850.0      | 5,850.0  |
| City Technology Projects and Capital Improvements | 3-3.04 | 2,311.0       |                   | 161.0       |     | 161.0    | 161.0    |         |     |       | 225.0   | 225.0   | 200.0   | 200.0   | 1,725.0      | 1,725.0  |
| Total   |        | 14,638.0      | 450.0             | 1,038.0     |     | 1,038.0  | 768.3    |         |     | 269.7 | 1,775.0 | 1,775.0 | 1,325.0 | 1,325.0 | 10,050.0     | 10,050.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-3.01**Division:** Information Technology - Information Technology**Project Name & Description**

Next Generation 9-1-1

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The Canadian Radio-Television and Telecommunications Commission (CRTC) passed a decision in 2017 (Telecom Regulatory Policy CRTC 2017-182) that will change the delivery of 9-1-1 services introducing NG9-1-1 (Next Generation 9-1-1). All 9-1-1 answer agencies across Canada will have to be migrated onto the new platform and the City's current target date is no later than December 31, 2023.

The current system (Enhanced 9-1-1) cannot keep up with technology or public expectations. NG9-1-1 will allow real time text and multimedia such as images and video as well as communication from new devices such as telematics (e.g. OnStar), watches and wearables. Location data will also be enhanced.

The budget provides high level estimates to explore options that may be available from a technology perspective and position the City to adopt the new technology when it becomes available. CRTC is phasing in NG9-1-1 with the next phase scheduled for full completion by end of 2023. The exact requirements and specifications have not been fully released, however, it is estimated this phase could cost up to \$1.1 million.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|--------------|--------------|------|------|------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022         | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Corporate and Legislative Services              |                  |                      |              |              |      |      |      |                 |                 |  |
| Division             | Information Technology - Information Technology |                  |                      |              |              |      |      |      |                 |                 |  |
| Project Description  | Next Generation 9-1-1                           |                  |                      |              |              |      |      |      |                 |                 |  |
| Project #            | 3-3.01  |                  |                      |              |              |      |      |      |                 |                 |  |
| Expenditures         |   |                  |                      |              |              |      |      |      |                 |                 |  |
| Contractual Services |   | 1,100.0          | 450.0                | 400.0        | 250.0        |      |      |      |                 |                 |  |
| Total Direct Revenue |   | <u>1,100.0</u>   | <u>450.0</u>         | <u>400.0</u> | <u>250.0</u> |      |      |      |                 |                 |  |
| Net Requirements     |   | <u>1,100.0</u>   | <u>450.0</u>         | <u>400.0</u> | <u>250.0</u> |      |      |      |                 |                 |  |
| To Be Financed From: |   |                  |                      |              |              |      |      |      |                 |                 |  |
| Capital Levy         |   | <u>1,100.0</u>   | <u>450.0</u>         | <u>400.0</u> | <u>250.0</u> |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-3.02**Division:** Information Technology - Information Technology**Project Name & Description**

Peterborough Technology Services - City Capital Expenditures

**Commitments Made**

None

**Effects on Future Operating Budgets**

Software licenses will incur an annual maintenance cost that is approximately 20 to 25% of the capital cost.

**Project Detail, Justification & Reference Map**

Total Capital Projects and Improvements: \$264,500

This project consists of the following:

Lifecycle Management of Existing IT Assets at \$36,700 which includes the following critical IT infrastructure that is approaching end of life and requires replacement:

- Virtual Server Upgrades
- Core Data Switches
- Enterprise Backup Devices

New Initiatives and Enhancements to Existing IT Assets at \$101,300 that includes:

- Improvements to Network
- IT Security Enhancements

Unplanned Purchases at \$126,500 that includes:

- additional disk storage
- software licenses as a result of changes to licensing models and audits
- services for strategic initiatives

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                          |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------|--|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                          |  |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department               | Corporate and Legislative Services                           |                  |                      |              |              |              |              |              |                 |                 |
| Division                 | Information Technology - Information Technology              |                  |                      |              |              |              |              |              |                 |                 |
| Project Description      | Peterborough Technology Services - City Capital Expenditures |                  |                      |              |              |              |              |              |                 |                 |
| Project #                | 3-3.02   |                  |                      |              |              |              |              |              |                 |                 |
| Expenditures             |  |                  |                      |              |              |              |              |              |                 |                 |
| Contractual Services     | 3,564.5  |                  |                      | 264.5        | 500.0        | 325.0        | 300.0        | 325.0        | 1,850.0         |                 |
| Total Direct Revenue     | <u>3,564.5</u>   |                  |                      | <u>264.5</u> | <u>500.0</u> | <u>325.0</u> | <u>300.0</u> | <u>325.0</u> | <u>1,850.0</u>  |                 |
| Net Requirements         | <u>3,564.5</u>   |                  |                      | <u>264.5</u> | <u>500.0</u> | <u>325.0</u> | <u>300.0</u> | <u>325.0</u> | <u>1,850.0</u>  |                 |
| To Be Financed From:     |  |                  |                      |              |              |              |              |              |                 |                 |
| Reserves                 |  |                  |                      |              |              |              |              |              |                 |                 |
| Revenue From EDP Reserve | 200.0  |                  |                      | 200.0        |              |              |              |              |                 |                 |
| Total Reserves           | <u>200.0</u>   |                  |                      | <u>200.0</u> |              |              |              |              |                 |                 |
| Capital Levy             | <u>3,364.5</u>   |                  |                      | <u>64.5</u>  | <u>500.0</u> | <u>325.0</u> | <u>300.0</u> | <u>325.0</u> | <u>1,850.0</u>  |                 |



## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Corporate and Legislative Services**Budget Reference #:** 3-3.03**Division:** Information Technology - Information Technology**Project Name & Description**

City Departmental Projects

**Commitments Made**

None

**Effects on Future Operating Budgets**

Software licenses will generally incur an annual maintenance cost that is approximately 20% to 25% of the initial capital cost.

**Project Detail, Justification & Reference Map**

\$ 26,650 - Automated Hydrological Data Acquisition (663)

\$ 16,660 - Fleet Screen Enhancements (682)

\$ 25,000 - Marina Scanners (609)

\$ 15,100 - Add Expense Reimbursement to Employee Portal (659)

\$ 13,000 - Update City Budget Books To Meet Accessible Document Standards (669)

\$ 31,660 - P-Card Interface Enhancements (683)

\$ 26,400 - Social Services - SAMS Business Intelligence (608)

\$ 38,032 - IT, Project Co-ordinator (586)

Total \$212,502

**Accessibility Considerations**

Project 669 involves remediation of the PDFs of the City's Budget Books so they meet the City's Accessible Document Standards.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                       |   | Project<br>Total | Approved<br>Pre-2022 | Requested |       |       |       |       | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------------------|---|------------------|----------------------|-----------|-------|-------|-------|-------|-----------------|-----------------|
|                                       |   |                  |                      | 2022      | 2023  | 2024  | 2025  | 2026  |                 |                 |
| Department                            | Corporate and Legislative Services              |                  |                      |           |       |       |       |       |                 |                 |
| Division                              | Information Technology - Information Technology |                  |                      |           |       |       |       |       |                 |                 |
| Project Description                   | City Departmental Projects                      |                  |                      |           |       |       |       |       |                 |                 |
| Project #                             | 3-3.03  |                  |                      |           |       |       |       |       |                 |                 |
| Expenditures                          |   |                  |                      |           |       |       |       |       |                 |                 |
| Contractual Services                  |   | 7,662.5          |                      | 212.5     | 800.0 | 800.0 | 825.0 | 825.0 | 4,200.0         |                 |
| Total Direct Revenue                  |   | 7,662.5          |                      | 212.5     | 800.0 | 800.0 | 825.0 | 825.0 | 4,200.0         |                 |
| Net Requirements                      |   | 7,662.5          |                      | 212.5     | 800.0 | 800.0 | 825.0 | 825.0 | 4,200.0         |                 |
| To Be Financed From:                  |   |                  |                      |           |       |       |       |       |                 |                 |
| Reserves                              |   |                  |                      |           |       |       |       |       |                 |                 |
| Soc Services - General Assistance R   |   | 26.4             |                      | 26.4      |       |       |       |       |                 |                 |
| Infrastructure Planning Services Capi |   | 26.7             |                      | 26.7      |       |       |       |       |                 |                 |
| Trsf From DRES PW Veh. Replacem       |   | 16.7             |                      | 16.7      |       |       |       |       |                 |                 |
| Total Reserves                        |   | 69.7             |                      | 69.7      |       |       |       |       |                 |                 |
| Capital Levy                          |   | 7,592.8          |                      | 142.8     | 800.0 | 800.0 | 825.0 | 825.0 | 4,200.0         |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-3.04**Division:** Information Technology - Information Technology**Project Name & Description**

City Technology Projects and Capital Improvements

**Commitments Made**

None

**Effects on Future Operating Budgets**

Software licenses will incur an annual maintenance cost that is approximately 20% to 25% of the initial capital investment.

**Project Detail, Justification & Reference Map**

Machinery and Equipment/Computer Hardware and Software (Server replacements, Switches, Computers, Software)

Total: \$161,000

This project involves replacing core IT equipment for the City. Items include the following that are either coming to the end-of-life or are required for additional capacity:

- Network switches
- Servers
- Notebook computers
- Improvements to Network redundancy

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Corporate and Legislative Services                |                  |                      |              |              |              |              |              |                 |                 |  |
| Division             | Information Technology - Information Technology   |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description  | City Technology Projects and Capital Improvements |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #            | 3-3.04  |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures         |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services |   | 2,311.0          |                      | 161.0        | 225.0        | 200.0        | 225.0        | 250.0        | 1,250.0         |                 |  |
| Total Direct Revenue |   | <u>2,311.0</u>   |                      | <u>161.0</u> | <u>225.0</u> | <u>200.0</u> | <u>225.0</u> | <u>250.0</u> | <u>1,250.0</u>  |                 |  |
| Net Requirements     |   | <u>2,311.0</u>   |                      | <u>161.0</u> | <u>225.0</u> | <u>200.0</u> | <u>225.0</u> | <u>250.0</u> | <u>1,250.0</u>  |                 |  |
| To Be Financed From: |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Capital Levy         |   | <u>2,311.0</u>   |                      | <u>161.0</u> | <u>225.0</u> | <u>200.0</u> | <u>225.0</u> | <u>250.0</u> | <u>1,250.0</u>  |                 |  |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |     | 2025 & After |     |  |
|------------------------------------|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-----|--------------|-----|--|
|                                    |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net | Total        | Net |  |
| Corporate and Legislative Services |        |               |                   |             |     |          |          |         |     |       |       |       |       |     |              |     |  |
| Other                              |        |               |                   |             |     |          |          |         |     |       |       |       |       |     |              |     |  |
| Expanded Use of SAP                | 3-4.01 | 699.0         | 399.0             |             |     |          |          |         |     |       | 300.0 | 300.0 |       |     |              |     |  |
| Total                              |        | 699.0         | 399.0             |             |     |          |          |         |     |       | 300.0 | 300.0 |       |     |              |     |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-4.01**Division:** Finance - Other**Project Name & Description**

Expanded Use of SAP

**Commitments Made****Effects on Future Operating Budgets**

Updating the City's Enterprise software will require additional ongoing software maintenance fees that will be budgeted as part of the City's Information Services Operating Budget.

**Project Detail, Justification & Reference Map**

This project includes an upgrade of SAP (\$99,000) and implementation of the SAP Budgeting Solution (\$300,000) in 2021 and Workforce Rostering (\$300,000) for 2023.

Workforce Rostering software is used to manage employee work schedules. While a couple of business areas use their own software to do this today, there are a number of business areas that still do this manually. A corporate wide rostering solution integrated to SAP Payroll would allow all business areas to take advantage of software to help automate the scheduling process and reduce the number of software systems that require support.

**Accessibility Considerations**

All City websites that integrate web-based software will meet international website standards for accessibility known as WCAG 2.0 Level AA and be tablet and mobile friendly.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |                                    | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|------------------------------------|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                      |                                    |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department           | Corporate and Legislative Services |                  |                      |           |      |      |      |      |                 |                 |
| Division             | Finance - Other                    |                  |                      |           |      |      |      |      |                 |                 |
| Project Description  | Expanded Use of SAP                |                  |                      |           |      |      |      |      |                 |                 |
| Project #            | 3-4.01                             |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures         |                                    |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services | 699.0                              | 399.0            |                      | 300.0     |      |      |      |      |                 |                 |
| Total Direct Revenue | 699.0                              | 399.0            |                      | 300.0     |      |      |      |      |                 |                 |
| Net Requirements     | 699.0                              | 399.0            |                      | 300.0     |      |      |      |      |                 |                 |
| To Be Financed From: |                                    |                  |                      |           |      |      |      |      |                 |                 |
| Capital Levy         | 699.0                              | 399.0            |                      | 300.0     |      |      |      |      |                 |                 |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                          | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |         |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|---------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net     |
| Corporate and Legislative Services           |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |
| Other  |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |
| Canadian Canoe Museum - Capital Build        | 3-4.02 | 4,000.0       | 500.0             | 500.0       |     | 500.0    | 300.0    |         |     | 200.0 | 500.0 | 500.0 | 500.0 | 500.0 | 2,000.0      | 2,000.0 |
| Fairhaven Capital Funding                    | 3-4.03 | 1,377.2       | 879.9             | 243.7       |     | 243.7    | 243.7    |         |     |       | 253.6 | 253.6 |       |       |              |         |
| Eastern Ont. Cell Gap and Capacity Extension | 3-4.04 | 563.7         | 281.8             |             |     |          |          |         |     |       | 140.9 | 140.9 | 140.9 | 140.9 |              |         |
| Development Charge Study Update              | 3-4.05 | 315.0         | 190.0             | 50.0        |     | 50.0     | 5.0      | 45.0    |     |       |       |       | 75.0  | 75.0  |              |         |
| Total  |        | 6,255.9       | 1,851.8           | 793.7       |     | 793.7    | 548.7    | 45.0    |     | 200.0 | 894.5 | 894.5 | 715.9 | 715.9 | 2,000.0      | 2,000.0 |



**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-4.02**Division:** Finance - Other**Project Name & Description**

Canadian Canoe Museum - Capital Build

**Commitments Made**

Report CLSFS21-021 was approved by Council in May 2021, and confirmed funding for the new facility build in the amount of \$4.0 million in increments of \$0.5 million per year from 2022 through 2028 and including \$0.5 million approved in 2019 City Budget.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Established in 1997, the Canadian Canoe Museum (Museum) is home to the world's largest and most significant collection of canoes, kayaks and paddled watercraft. The Museum is looking to move to a new 90,000 square-foot facility.

The Museum has had success in securing funding from the provincial and federal levels of government and the County of Peterborough. On February 24, 2017, the Honourable Maryam Monsef, Minister of Status of Women and MP for Peterborough-Kawartha, on behalf of the Honourable Mélanie Joly, Minister of Canadian Heritage, announced more than \$1.4 million in cultural infrastructure funding from the Government of Canada and in April 2019 the Honourable Pablo Rodriguez, Minister of Canadian Heritage and Multiculturalism announced a further \$10 million in support from the same fund. On May 26, 2017, MPP Jeff Leal, on behalf of the Province, announced a funding commitment of \$9.0 million toward the project. In March 2018, the County of Peterborough committed \$500,000 to support the new museum.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                       |                                       | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|-----------------------|---------------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                       |                                       |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department            | Corporate and Legislative Services    |                  |                      |              |              |              |              |              |                 |                 |  |
| Division              | Finance - Other                       |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description   | Canadian Canoe Museum - Capital Build |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #             | 3-4.02                                |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures          |                                       |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services  |                                       | 4,000.0          | 500.0                | 500.0        | 500.0        | 500.0        | 500.0        | 500.0        | 1,000.0         |                 |  |
| Total Direct Revenue  |                                       | <u>4,000.0</u>   | <u>500.0</u>         | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>1,000.0</u>  |                 |  |
| Net Requirements      |                                       | <u>4,000.0</u>   | <u>500.0</u>         | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>1,000.0</u>  |                 |  |
| To Be Financed From:  |                                       |                  |                      |              |              |              |              |              |                 |                 |  |
| Reserves              |                                       |                  |                      |              |              |              |              |              |                 |                 |  |
| Casino Gaming Reserve |                                       | 500.0            | 500.0                |              |              |              |              |              |                 |                 |  |
| MAT Reserve           |                                       | 200.0            |                      | 200.0        |              |              |              |              |                 |                 |  |
| Total Reserves        |                                       | <u>700.0</u>     | <u>500.0</u>         | <u>200.0</u> |              |              |              |              |                 |                 |  |
| Capital Levy          |                                       | <u>3,300.0</u>   |                      | <u>300.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>1,000.0</u>  |                 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-4.03**Division:** Finance - Other**Project Name & Description**

Fairhaven Capital Funding

**Commitments Made**

As part of report CPFS12-062 dated September 4, 2012, Council resolved that beginning with the 2013 Capital Budget, an annual provision would be included in the Draft Capital Budget to support Fairhaven's on-going capital program.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Fairhaven has limited revenue sources and the Ministry of Health and Long Term Care does not provide funding for capital projects, equipment or the building. Capital repairs had been funded from a Capital Reserve, however, that was unsustainable.

A capital plan and ongoing funding from the City and County started in 2013. The amount paid by the City for 2022 will be \$243,700. This support will allow Fairhaven to update and repair various capital items, some of which are as follows:

Replacement of Computer Equipment, beds and mattresses, overhead bed lifts, enhanced security equipment, replace flooring with anti-slip floors for enhanced safety, repave the parking lot, purchase of Broda Chairs for residents that require monitoring.

Fairhaven will be undertaking a capital needs assessment to be completed in early 2022 to determine future capital needs beyond 2024.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                    | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|------------------------------------|------------------|----------------------|--------------|--------------|------|------|------|-----------------|-----------------|--|
|                      |                                    |                  |                      | 2022         | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Corporate and Legislative Services |                  |                      |              |              |      |      |      |                 |                 |  |
| Division             | Finance - Other                    |                  |                      |              |              |      |      |      |                 |                 |  |
| Project Description  | Fairhaven Capital Funding          |                  |                      |              |              |      |      |      |                 |                 |  |
| Project #            | 3-4.03                             |                  |                      |              |              |      |      |      |                 |                 |  |
| Expenditures         |                                    |                  |                      |              |              |      |      |      |                 |                 |  |
| Contractual Services |                                    | 1,377.2          | 879.9                | 243.7        | 253.6        |      |      |      |                 |                 |  |
| Total Direct Revenue |                                    | <u>1,377.2</u>   | <u>879.9</u>         | <u>243.7</u> | <u>253.6</u> |      |      |      |                 |                 |  |
| Net Requirements     |                                    | <u>1,377.2</u>   | <u>879.9</u>         | <u>243.7</u> | <u>253.6</u> |      |      |      |                 |                 |  |
| To Be Financed From: |                                    |                  |                      |              |              |      |      |      |                 |                 |  |
| Capital Levy         |                                    | <u>1,377.2</u>   | <u>879.9</u>         | <u>243.7</u> | <u>253.6</u> |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Corporate and Legislative Services**Budget Reference #:** 3-4.04**Division:** Finance - Other**Project Name & Description**

Eastern Ont. Cell Gap and Capacity Expansion

**Commitments Made**

A four-year commitment has been requested by the Eastern Ontario Regional Network for this project. The City's annual commitment, approved by Council, is \$140,900 for the years 2020 through 2023 for a total of \$563,700. During the 2022 Budget process Council approved a one-year deferral of the 2022 contribution, changing the commitment end date to 2024.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Eastern Ont. Cell and Capacity Expansion is a project to first fix the "holes" in the Eastern Ontario Regional Network (EORN) Eastern Ontario Broadband project. Once the network has established the required coverage, the capacity of the network will be analysed to address increasing usage. Financing of the project is derived from a one-third allocation of the cost to Provincial government, Federal Government and Private/Municipal sectors. The City's portion of the Private/Municipal sector commitment will be \$563,700 over four years.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested |              |              |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--|------------------|----------------------|-----------|--------------|--------------|------|------|-----------------|-----------------|--|
|                      |  |                  |                      | 2022      | 2023         | 2024         | 2025 | 2026 |                 |                 |  |
| Department           | Corporate and Legislative Services           |                  |                      |           |              |              |      |      |                 |                 |  |
| Division             | Finance - Other                              |                  |                      |           |              |              |      |      |                 |                 |  |
| Project Description  | Eastern Ont. Cell Gap and Capacity Extension |                  |                      |           |              |              |      |      |                 |                 |  |
| Project #            | 3-4.04                                       |                  |                      |           |              |              |      |      |                 |                 |  |
| Expenditures         |  |                  |                      |           |              |              |      |      |                 |                 |  |
| Contractual Services |  | 563.7            | 281.8                |           | 140.9        | 140.9        |      |      |                 |                 |  |
| Total Direct Revenue |  | <u>563.7</u>     | <u>281.8</u>         |           | <u>140.9</u> | <u>140.9</u> |      |      |                 |                 |  |
| Net Requirements     |  | <u>563.7</u>     | <u>281.8</u>         |           | <u>140.9</u> | <u>140.9</u> |      |      |                 |                 |  |
| To Be Financed From: |  |                  |                      |           |              |              |      |      |                 |                 |  |
| Capital Levy         |  | <u>563.7</u>     | <u>281.8</u>         |           | <u>140.9</u> | <u>140.9</u> |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

CAP Form 1 (Other)

**Department:** Corporate and Legislative Services**Budget Reference #:** 3-4.05**Division:** Finance - Other**Project Name & Description**

Development Charge Study Update

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Development Charges are levied in accordance with various Development Charge by-laws that establish various rates.

The current rate for the Growth Areas is in effect until July 31, 2022. The City-wide rates are in effect until December 31, 2024. On September 18, 2020 the remaining amendments that were made by Bill 108, the More Homes, More Choice Act 2019, to the Development Charges Act and Planning Act were proclaimed. In addition, new regulation under the Planning Act and technical changes to regulations under the Planning Act, Development Charges Act and Building Code Act finalized the framework for development charges, community benefits charges (CBC) and parkland. The City will have two years to transition to the new regime. The regulation softened the changes to development charges whereby many soft services still fall under development charges as opposed to the community benefit charges.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                    | Project<br>Total | Approved<br>Pre-2022 | Requested   |      |             |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|------------------------------------|------------------|----------------------|-------------|------|-------------|------|------|-----------------|-----------------|
|                           |                                    |                  |                      | 2022        | 2023 | 2024        | 2025 | 2026 |                 |                 |
| Department                | Corporate and Legislative Services |                  |                      |             |      |             |      |      |                 |                 |
| Division                  | Finance - Other                    |                  |                      |             |      |             |      |      |                 |                 |
| Project Description       | Development Charge Study Update    |                  |                      |             |      |             |      |      |                 |                 |
| Project #                 | 3-4.05                             |                  |                      |             |      |             |      |      |                 |                 |
| Expenditures              |                                    |                  |                      |             |      |             |      |      |                 |                 |
| Contractual Services      |                                    | 315.0            | 190.0                | 50.0        |      | 75.0        |      |      |                 |                 |
| Net Requirements          |                                    | <u>315.0</u>     | <u>190.0</u>         | <u>50.0</u> |      | <u>75.0</u> |      |      |                 |                 |
| To Be Financed From:      |                                    |                  |                      |             |      |             |      |      |                 |                 |
| Development Charges       |                                    |                  |                      |             |      |             |      |      |                 |                 |
| DC - Gen Gov't            |                                    | <u>283.5</u>     | <u>171.0</u>         | <u>45.0</u> |      | <u>67.5</u> |      |      |                 |                 |
| Total Development Charges |                                    | <u>283.5</u>     | <u>171.0</u>         | <u>45.0</u> |      | <u>67.5</u> |      |      |                 |                 |
| Reserves                  |                                    |                  |                      |             |      |             |      |      |                 |                 |
| Capital Levy Reserve      |                                    | <u>5.0</u>       | <u>5.0</u>           |             |      |             |      |      |                 |                 |
| Total Reserves            |                                    | <u>5.0</u>       | <u>5.0</u>           |             |      |             |      |      |                 |                 |
| Capital Levy              |                                    | <u>26.5</u>      | <u>14.0</u>          | <u>5.0</u>  |      | <u>7.5</u>  |      |      |                 |                 |



# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                          | Ref  | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |         |         | 2023     |          | 2024     |          | 2025 & After |           |
|--|------|---------------|-------------------|-------------|---------|----------|----------|---------|---------|---------|----------|----------|----------|----------|--------------|-----------|
|  |      |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb     | Other   | Total    | Net      | Total    | Net      | Total        | Net       |
| Infrastructure and Planning Services Summary |      |               |                   |             |         |          |          |         |         |         |          |          |          |          |              |           |
| Planning                                     | 5-2  | 25,016.2      | 8,993.2           | 1,998.0     |         | 1,998.0  | 345.5    | 139.1   | 393.5   | 1,120.0 | 4,100.0  | 4,100.0  | 1,525.0  | 1,525.0  | 8,400.0      | 8,400.0   |
| Growth Areas                                 | 5-3  | 6,387.2       | 3,700.0           |             |         |          |          |         |         |         | 645.0    | 645.0    | 644.0    | 324.0    | 1,398.2      | 1,398.2   |
| Industrial Parks                             | 5-4  | 2,000.0       |                   |             |         |          |          |         |         |         |          |          | 1,000.0  | 1,000.0  | 1,000.0      | 1,000.0   |
| Airport                                      | 5-5  | 45,549.6      | 4,959.6           | 1,945.0     |         | 1,945.0  | 255.0    |         | 1,440.0 | 250.0   | 22,145.0 | 22,145.0 | 8,925.0  | 8,925.0  | 7,575.0      | 7,575.0   |
| Flood Reduction Master Plan Projects         | 5-6  | 334,453.4     | 58,568.4          | 215.0       |         | 215.0    |          |         |         | 215.0   | 5,145.0  | 5,145.0  | 13,180.0 | 9,150.0  | 257,345.0    | 241,225.0 |
| Geomatics/Mapping                            | 5-7  | 2,480.6       | 1,530.6           | 95.0        |         | 95.0     | 95.0     |         |         |         | 105.0    | 105.0    | 105.0    | 105.0    | 645.0        | 645.0     |
| Infrastructure Management                    | 5-8  | 570.0         | 50.0              | 65.0        |         | 65.0     |          |         |         | 65.0    | 65.0     | 65.0     | 65.0     | 65.0     | 325.0        | 325.0     |
| Arterial Streets                             | 5-9  | 339,282.3     | 22,489.3          | 5,200.0     | 900.0   | 4,300.0  |          |         | 2,455.6 | 1,844.4 | 26,399.0 | 25,235.0 | 37,039.0 | 25,301.4 | 248,155.0    | 241,238.3 |
| Collector and Local Streets                  | 5-10 | 90,131.0      | 2,606.0           | 6,725.0     |         | 6,725.0  | 100.0    |         | 1,689.4 | 4,935.6 | 12,700.0 | 12,700.0 | 11,200.0 | 11,200.0 | 56,900.0     | 55,900.0  |
| Bridges                                      | 5-11 | 41,471.2      | 4,651.2           | 2,000.0     |         | 2,000.0  |          |         | 1,650.0 | 350.0   | 5,300.0  | 5,300.0  | 2,250.0  | 2,250.0  | 27,270.0     | 27,270.0  |
| Sidewalks                                    | 5-12 | 11,750.0      | 1,550.0           | 100.0       |         | 100.0    | 85.3     |         | 14.8    |         | 2,100.0  | 2,100.0  | 1,350.0  | 1,350.0  | 6,650.0      | 6,650.0   |
| Sanitary Sewers                              | 5-13 | 23,510.0      | 3,475.0           | 1,210.0     |         | 1,210.0  |          |         | 160.0   | 1,050.0 | 5,775.0  | 5,775.0  | 2,500.0  | 2,500.0  | 10,550.0     | 10,550.0  |
| Storm Sewers                                 | 5-14 | 18,585.0      | 5,125.0           | 1,405.0     |         | 1,405.0  |          |         |         | 1,405.0 | 1,580.0  | 1,580.0  | 1,475.0  | 1,475.0  | 9,000.0      | 9,000.0   |
| Public Works                                 | 5-15 | 38,094.0      | 3,975.7           | 3,009.2     |         | 3,009.2  | 749.7    | 114.9   | 871.6   | 1,273.0 | 3,540.2  | 3,540.2  | 3,973.1  | 3,973.1  | 23,595.9     | 23,595.9  |
| Transit                                      | 5-16 | 122,465.6     | 8,249.6           | 3,750.0     | 2,838.6 | 911.4    | 137.2    | 316.7   | 457.5   |         | 10,916.0 | 3,370.6  | 16,100.0 | 4,333.2  | 83,450.0     | 57,289.6  |
| Parking                                      | 5-17 | 5,241.3       | 2,285.3           | 1,615.8     |         | 1,615.8  |          |         | 1,500.0 | 115.8   | 121.6    | 121.6    | 127.6    | 127.6    | 1,091.1      | 1,091.1   |
| Traffic and Transportation                   | 5-18 | 14,388.0      | 3,085.2           | 2,725.9     | 1,000.0 | 1,725.9  | 715.1    |         | 914.6   | 96.2    | 2,718.4  | 2,218.4  | 1,420.5  | 1,420.5  | 4,438.0      | 4,438.0   |
| Environmental Services                       | 5-20 | 40,990.9      | 2,560.0           | 15,943.0    | 9,100.0 | 6,843.0  |          |         |         | 6,843.0 | 19,114.8 | 1,114.8  | 1,191.7  | 1,191.7  | 2,181.4      | 2,181.4   |
| Waste Management                             | 5-21 | 41,214.5      | 27,675.1          | 6,175.0     | 2,237.5 | 3,937.5  |          |         | 1,126.9 | 2,810.6 | 3,914.4  | 1,769.4  | 2,000.0  |          | 1,450.0      | 725.0     |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description | Ref | Project Total | Approved Pre-2022 | 2022        |          |          |          |         |          |          | 2023      |          | 2024      |          | 2025 & After |           |
|---------------------|-----|---------------|-------------------|-------------|----------|----------|----------|---------|----------|----------|-----------|----------|-----------|----------|--------------|-----------|
|                     |     |               |                   | Total Costs | Rev      | Net Cost | Cap Levy | Dev Chg | Deb      | Other    | Total     | Net      | Total     | Net      | Total        | Net       |
| Total               |     | 1,203,580.7   | 165,529.0         | 54,176.9    | 16,076.1 | 38,100.8 | 2,482.7  | 570.7   | 12,673.8 | 22,373.6 | 126,384.4 | 97,030.0 | 106,070.9 | 76,216.5 | 751,419.5    | 700,497.4 |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                          | Ref  | Project Total | Approved Pre-2022 | 2022        |       |          |          |         |     |         | 2023     |          | 2024     |          | 2025 & After |          |
|--|------|---------------|-------------------|-------------|-------|----------|----------|---------|-----|---------|----------|----------|----------|----------|--------------|----------|
|  |      |               |                   | Total Costs | Rev   | Net Cost | Cap Levy | Dev Chg | Deb | Other   | Total    | Net      | Total    | Net      | Total        | Net      |
| Infrastructure and Planning Services Summary |      |               |                   |             |       |          |          |         |     |         |          |          |          |          |              |          |
| Administration                               | 5-1  | 150.0         |                   | 150.0       | 150.0 |          |          |         |     |         |          |          |          |          |              |          |
| Planning                                     | 5-2  | 11,066.1      | 5,384.4           | 1,033.7     |       | 1,033.7  | 1,033.7  |         |     |         | 1,648.0  | 1,648.0  | 1,400.0  | 1,400.0  | 1,600.0      | 1,600.0  |
| Growth Areas                                 | 5-3  | 400.0         | 225.0             | 150.0       |       | 150.0    | 25.0     | 125.0   |     |         | 25.0     | 25.0     |          |          |              |          |
| Industrial Parks                             | 5-4  | 1,486.5       | 806.4             | 132.0       |       | 132.0    | 132.0    |         |     |         | 134.0    | 134.0    | 136.0    | 136.0    | 278.1        | 278.1    |
| Airport                                      | 5-5  | 1,503.9       | 1,053.9           | 250.0       |       | 250.0    |          |         |     | 250.0   | 100.0    | 100.0    | 100.0    | 100.0    |              |          |
| Flood Reduction Master Plan Projects         | 5-6  | 49,006.7      | 26,106.7          | 2,285.0     |       | 2,285.0  |          |         |     | 2,285.0 | 3,835.0  | 3,835.0  | 3,035.0  | 3,035.0  | 13,745.0     | 13,745.0 |
| Geomatics/Mapping                            | 5-7  | 2,567.1       | 810.6             | 165.0       |       | 165.0    | 165.0    |         |     |         | 433.7    | 433.7    | 562.5    | 562.5    | 595.3        | 595.3    |
| Infrastructure Management                    | 5-8  | 16,029.4      | 4,049.4           | 1,132.5     |       | 1,132.5  | 927.5    |         |     | 205.0   | 2,147.5  | 2,147.5  | 1,150.0  | 1,150.0  | 7,550.0      | 7,550.0  |
| Bridges                                      | 5-11 | 345.0         | 90.0              | 65.0        |       | 65.0     |          |         |     | 65.0    |          |          | 90.0     | 90.0     | 100.0        | 100.0    |
| Public Works                                 | 5-15 | 7,400.3       | 700.3             | 400.0       |       | 400.0    | 400.0    |         |     |         | 700.0    | 700.0    | 800.0    | 800.0    | 4,800.0      | 4,800.0  |
| Traffic and Transportation                   | 5-18 | 150.0         |                   |             |       |          |          |         |     |         | 150.0    | 150.0    |          |          |              |          |
| Transportation Planning                      | 5-19 | 1,037.0       | 209.2             | 188.0       |       | 188.0    | 188.0    |         |     |         | 193.8    | 193.8    | 199.5    | 199.5    | 246.5        | 246.5    |
| Environmental Services                       | 5-20 | 19,522.0      | 6,462.0           | 100.0       |       | 100.0    | 100.0    |         |     |         | 835.0    | 835.0    | 4,650.0  | 2,650.0  | 7,475.0      | 5,475.0  |
| Total  |      | 110,663.9     | 45,897.9          | 6,051.1     | 150.0 | 5,901.1  | 2,971.2  | 125.0   |     | 2,805.0 | 10,201.9 | 10,201.9 | 12,123.0 | 10,123.0 | 36,389.9     | 34,389.9 |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                                 | Ref    | Project Total | Approved Pre-2022 | 2022        |       |          |          |         |     |       | 2023  |     | 2024  |     | 2025 & After |     |
|---|--------|---------------|-------------------|-------------|-------|----------|----------|---------|-----|-------|-------|-----|-------|-----|--------------|-----|
|   |        |               |                   | Total Costs | Rev   | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net | Total | Net | Total        | Net |
| Infrastructure and Planning Services Administration |        |               |                   |             |       |          |          |         |     |       |       |     |       |     |              |     |
| Enforcement Services Review                         | 5-1.01 | 150.0         |                   | 150.0       | 150.0 |          |          |         |     |       |       |     |       |     |              |     |
| Total   |        | 150.0         |                   | 150.0       | 150.0 |          |          |         |     |       |       |     |       |     |              |     |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-1.01**Division:** IPS Administration - Administration**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Enforcement Services Review

**Commitments Made**

City Council has recently expressed its policy objective that the City's enforcement should be undertaken to achieve compliance with municipal standards by the most efficient and effective means and has addressed other matters to ensure the proper administration of justice.

**Effects on Future Operating Budgets**

The review may result in operational impacts, such as specialized equipment, technology, vehicles and additional resources. It is anticipated the review will recommend a phased approach to additional operational impacts. All impacts will be clearly outlined in the final report to council.

**Project Detail, Justification & Reference Map**

The City enforces various municipal standards including those established by municipal by-law, the Building Code Act, 1992 and the Fire Protection and Prevention Act, 1997. Enforcement is undertaken by City staff from multiple divisions and by third parties under contract(s). In expressing its policy objectives, Council has also established the framework for municipal administrative monetary penalties (AMPs) as an additional enforcement tool.

There is a need to conduct a high-level strategic and operational analysis of the City's enforcement system with a view to making recommendations to advance the City's enforcement policy objective for the next ten years.

The City made application to the Audit and Accountability Fund - Intake 3, through the Ministry of Municipal Affairs and Housing. Notification is expected in January of 2022, with a public report expected for fall of 2022. Staff has included this project as part of the 2022 program.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--------------------------------------|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                      |                                      |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services |                  |                      |           |      |      |      |      |                 |                 |
| Division             | IPS Administration - Administration  |                  |                      |           |      |      |      |      |                 |                 |
| Project Description  | Enforcement Services Review          |                  |                      |           |      |      |      |      |                 |                 |
| Project #            | 5-1.01                               |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures         |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services |                                      | 150.0            |                      | 150.0     |      |      |      |      |                 |                 |
| Direct Revenue       |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Provincial grant     |                                      | 150.0            |                      | 150.0     |      |      |      |      |                 |                 |
| Total Direct Revenue |                                      | 150.0            |                      | 150.0     |      |      |      |      |                 |                 |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description  | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |       |         | 2023    |         | 2024    |         | 2025 & After |         |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-------|---------|---------|---------|---------|---------|--------------|---------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb   | Other   | Total   | Net     | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services Planning                |        |               |                   |             |     |          |          |         |       |         |         |         |         |         |              |         |
| Louis St Urban Park  | 5-2.01 | 7,499.5       | 6,356.0           | 1,143.5     |     | 1,143.5  |          |         | 393.5 | 750.0   |         |         |         |         |              |         |
| Property Acquisitions and Improvements                       | 5-2.02 | 12,000.0      |                   | 700.0       |     | 700.0    | 330.0    |         |       | 370.0   | 1,700.0 | 1,700.0 | 1,200.0 | 1,200.0 | 8,400.0      | 8,400.0 |
| Parkland Development Assist                                  | 5-2.03 | 681.8         | 527.3             | 154.5       |     | 154.5    | 15.5     | 139.1   |       |         |         |         |         |         |              |         |
| Otonabee River Trail - Del Cray Park to Little Lake Cemetery | 5-2.04 | 2,400.0       | 400.0             |             |     |          |          |         |       |         | 2,000.0 | 2,000.0 |         |         |              |         |
| Central Area Master Plan Implementation Phase                | 5-2.05 | 2,435.0       | 1,710.0           |             |     |          |          |         |       |         | 400.0   | 400.0   | 325.0   | 325.0   |              |         |
| Total  |        | 25,016.2      | 8,993.2           | 1,998.0     |     | 1,998.0  | 345.5    | 139.1   | 393.5 | 1,120.0 | 4,100.0 | 4,100.0 | 1,525.0 | 1,525.0 | 8,400.0      | 8,400.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-2.01**Division:** Planning - Planning**Project Name & Description**

Louis Street Urban Park

**Commitments Made**

The 2022 budget amount of \$1,143,460 was pre-committed by Council through Report CLSFM21-019 dated May 10, 2021.

**Effects on Future Operating Budgets**

An allocations has been included in the appropriate budgets to address operating costs.

**Project Detail, Justification & Reference Map**

The Central Area Master Plan defines a number of measures to promote downtown Peterborough's role as a diverse and vibrant component of the city's overall commercial structure. The renewal of Charlotte Street and the creation of a downtown urban park are key strategies of the approved Central Area Master Plan. The Louis Street site was selected as the preferred site for the creation of an urban park to complement the planned reconstruction of Charlotte Street and to stimulate renewal in the Downtown Core and the Charlotte Street West Business District. In September of 2016, Council approved the purchase of 220 King Street to support the development of the Urban Park (PLPD16-069).

Features of the Urban Park, as detailed in Report PLPD14-012 and redesigned in 2017 through Report PLPD17-002, include: a large hard surface for multi purpose use in the summer and an ice-skating surface in the winter; a multi purpose building, change room and public washrooms; a public art display at the north end of the park; large tree plantings under which there will be passive seating areas; water geysers; and, an area for the Downtown Farmer's Market. Total costs are \$7,468,460. The tender for the project was awarded in fall of 2019.

The creation of a downtown urban park is a key strategy of the Central Area Master Plan and in the Downtown Core. Construction is well under way and expected to be completed by July 2022.

The 2022 budget will be used for additional excavation and contaminated soils removal as well as costs to incorporate heated concrete surfaces not part of the original construction budget estimate.



Questica #: 12770

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested      |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|------------------|----------------------|----------------|------|------|------|------|-----------------|-----------------|
|                           |                                      |                  |                      | 2022           | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services |                  |                      |                |      |      |      |      |                 |                 |
| Division                  | Planning - Planning                  |                  |                      |                |      |      |      |      |                 |                 |
| Project Description       | Louis St Urban Park                  |                  |                      |                |      |      |      |      |                 |                 |
| Project #                 | 5-2.01                               |                  |                      |                |      |      |      |      |                 |                 |
| Expenditures              |                                      |                  |                      |                |      |      |      |      |                 |                 |
| Contractual Services      |                                      | 7,499.5          | 6,356.0              | 1,143.5        |      |      |      |      |                 |                 |
|                           |                                      |                  |                      |                |      |      |      |      |                 |                 |
| Net Requirements          |                                      | <u>7,499.5</u>   | <u>6,356.0</u>       | <u>1,143.5</u> |      |      |      |      |                 |                 |
| To Be Financed From:      |                                      |                  |                      |                |      |      |      |      |                 |                 |
| Debentures                |                                      |                  |                      |                |      |      |      |      |                 |                 |
| Deb Rev-Tax Supported     |                                      | <u>5,833.5</u>   | <u>5,440.0</u>       | <u>393.5</u>   |      |      |      |      |                 |                 |
| Total Debenture Financing |                                      | <u>5,833.5</u>   | <u>5,440.0</u>       | <u>393.5</u>   |      |      |      |      |                 |                 |
| Reserves                  |                                      |                  |                      |                |      |      |      |      |                 |                 |
| Casino Gaming Reserve     |                                      | 677.9            | 677.9                |                |      |      |      |      |                 |                 |
| Legacy Reserve            |                                      | <u>750.0</u>     |                      | <u>750.0</u>   |      |      |      |      |                 |                 |
| Total Reserves            |                                      | <u>1,427.9</u>   | <u>677.9</u>         | <u>750.0</u>   |      |      |      |      |                 |                 |
| Capital Levy              |                                      | <u>238.0</u>     | <u>238.0</u>         |                |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-2.02

**Division:** Planning - Planning

**Project Name & Description**

Property Acquisitions and Improvements

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The General Property Reserve, funded through the Operating Budget, anticipates property purchases that support strategic municipal acquisitions or that implement public policy directions of the City. The General Property Reserve is also used to make improvements to municipal property that may be required to improve value and/or minimize risk. Examples of property acquisitions may be to support Airport development, to support downtown vitality, employment opportunities, or to support City business/service needs.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                         |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |                |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |  |
|-------------------------|--|------------------|----------------------|--------------|----------------|----------------|----------------|----------------|-----------------|-----------------|--|
|                         |  |                  |                      | 2022         | 2023           | 2024           | 2025           | 2026           |                 |                 |  |
| Department              | Infrastructure and Planning Services   |                  |                      |              |                |                |                |                |                 |                 |  |
| Division                | Planning - Planning                    |                  |                      |              |                |                |                |                |                 |                 |  |
| Project Description     | Property Acquisitions and Improvements |                  |                      |              |                |                |                |                |                 |                 |  |
| Project #               | 5-2.02                                 |                  |                      |              |                |                |                |                |                 |                 |  |
| Expenditures            |  |                  |                      |              |                |                |                |                |                 |                 |  |
| Contractual Services    |  | 12,000.0         |                      | 700.0        | 1,700.0        | 1,200.0        | 1,200.0        | 1,200.0        | 6,000.0         |                 |  |
| Total Direct Revenue    |  | <u>12,000.0</u>  |                      | <u>700.0</u> | <u>1,700.0</u> | <u>1,200.0</u> | <u>1,200.0</u> | <u>1,200.0</u> | <u>6,000.0</u>  |                 |  |
| Net Requirements        |  | <u>12,000.0</u>  |                      | <u>700.0</u> | <u>1,700.0</u> | <u>1,200.0</u> | <u>1,200.0</u> | <u>1,200.0</u> | <u>6,000.0</u>  |                 |  |
| To Be Financed From:    |  |                  |                      |              |                |                |                |                |                 |                 |  |
| Reserves                |  |                  |                      |              |                |                |                |                |                 |                 |  |
| Facilities Mgmt Reserve |  | 3,700.0          |                      | 370.0        | 370.0          | 370.0          | 370.0          | 370.0          | 1,850.0         |                 |  |
| Total Reserves          |  | <u>3,700.0</u>   |                      | <u>370.0</u> | <u>370.0</u>   | <u>370.0</u>   | <u>370.0</u>   | <u>370.0</u>   | <u>1,850.0</u>  |                 |  |
| Capital Levy            |  | <u>8,300.0</u>   |                      | <u>330.0</u> | <u>1,330.0</u> | <u>830.0</u>   | <u>830.0</u>   | <u>830.0</u>   | <u>4,150.0</u>  |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-2.03

**Division:** Planning - Planning

### Project Name & Description

Parkland Development Assistance - a program that began in 2013 and provided developers the opportunity to design and construct parks within their subdivisions to be ready for public use, upon first occupancies, within any given phase of development.

The delivery of the Program was modified in 2019, with the City taking the lead role in the delivery of the parks.

### Commitments Made

### Effects on Future Operating Budgets

Additional infrastructure will require additional maintenance.

### Project Detail, Justification & Reference Map

Traditionally, developers are required to prepare parkland to a base level only (grading, leveling, top soiling, seeding). Parks were then left in this state until such time as neighbourhood residents approached the City to partner in the development of park amenities through the Community Assistance capital budget. The original intent of the Community Assistance program was to support upgrades to existing parkland, rather than establishing amenities within new subdivision parkland. The new Parkland Development Assistance project was required to see the construction of 3 unfinished subdivision parks. Community Services shall take the lead in managing the neighbourhood consultation and Planning will develop park needs/designs. Public works will then deliver the final product and manage the construction of the facility based on guidance provided by Community Services. In parallel to this project, the Community Services Department undertook the Municipal Parks and open Space Study (CSRS20-0030). This holistic approach to recreational parks will address future park development in new subdivisions as well.

Three park developments remain to be funded under this program. For 2022 construction is anticipated for Heritage Park Subdivision and Parklands (Mason Homes) Subdivision. Willowcreek Subdivision park construction is anticipated for 2023.

### Accessibility Considerations

All park amenities will be constructed in accordance with the requirements of the Accessible Built Environment Standards, under the Accessibility for Ontarians with Disabilities Act.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--------------------------------------|------------------|----------------------|--------------|------|------|------|------|-----------------|-----------------|--|
|                           |                                      |                  |                      | 2022         | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services |                  |                      |              |      |      |      |      |                 |                 |  |
| Division                  | Planning - Planning                  |                  |                      |              |      |      |      |      |                 |                 |  |
| Project Description       | Parkland Development Assist          |                  |                      |              |      |      |      |      |                 |                 |  |
| Project #                 | 5-2.03                               |                  |                      |              |      |      |      |      |                 |                 |  |
| Expenditures              |                                      |                  |                      |              |      |      |      |      |                 |                 |  |
| Contractual Services      |                                      | 681.8            | 527.3                | 154.5        |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>681.8</u>     | <u>527.3</u>         | <u>154.5</u> |      |      |      |      |                 |                 |  |
| Direct Revenue            |                                      |                  |                      |              |      |      |      |      |                 |                 |  |
| Subdivider Contribution   |                                      | 45.0             | 45.0                 |              |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>45.0</u>      | <u>45.0</u>          |              |      |      |      |      |                 |                 |  |
| Net Requirements          |                                      | <u>636.8</u>     | <u>482.3</u>         | <u>154.5</u> |      |      |      |      |                 |                 |  |
| To Be Financed From:      |                                      |                  |                      |              |      |      |      |      |                 |                 |  |
| Debentures                |                                      |                  |                      |              |      |      |      |      |                 |                 |  |
| DEBT DC-Recreation        |                                      | 137.0            | 137.0                |              |      |      |      |      |                 |                 |  |
| Total Debenture Financing |                                      | <u>137.0</u>     | <u>137.0</u>         |              |      |      |      |      |                 |                 |  |
| Development Charges       |                                      |                  |                      |              |      |      |      |      |                 |                 |  |
| DC Parks                  |                                      | 414.1            | 275.0                | 139.1        |      |      |      |      |                 |                 |  |
| Total Development Charges |                                      | <u>414.1</u>     | <u>275.0</u>         | <u>139.1</u> |      |      |      |      |                 |                 |  |
| Capital Levy              |                                      | <u>85.7</u>      | <u>70.2</u>          | <u>15.5</u>  |      |      |      |      |                 |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-2.04

**Division:** Planning - Planning

**Climate Mitigation:** Yes

### Project Name & Description

Otonabee River Trail – Del Cray Park to Little Lake Cemetery

### Commitments Made

This project represents the completion of a Council approved public policy and capital planning priority, as part of the Little Lake Master Plan.

### Effects on Future Operating Budgets

Future operating budget will need to be adjusted to accommodate maintenance of the new trail.

### Project Detail, Justification & Reference Map

A detailed topographic survey and geotechnical investigation was completed in 2011. A Class EA, which included a preliminary design of the Otonabee River Trail route from Del Cray Park, along Crescent Street to Little Lake Cemetery was completed in 2015. The completion of a trail program surrounding Little Lake has been a long standing recreation facility objective of the City's Recreation Master Plan. The Otonabee River Trail is an integral component of the Little Lake Master Plan, received by City Council in March 2010.

\$120,000 was secured in 2015 to construct a first phase of the trail through Del Cray Park, however, this phase was not completed awaiting the detailed design and engineering, which was started in 2021 and will be completed in 2022.

A preliminary construction cost estimate for the continuation of the Otonabee River Trail from The Point in Del Cray Park to the Little Lake Cemetery, consistent with the Little Lake Master Plan, is \$2.0 million. This project construction has been deferred until 2023 to better align with other projects in the area including proposed private developments, Central Area Secondary Plans and the Del Cray Park Master Plan.

### Accessibility Considerations

All trail development will be a minimum width of 3.0 metres meeting the City design standard for trail development.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |                |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|----------------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023           | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services                          |                  |                      |           |                |      |      |      |                 |                 |
| Division             | Planning - Planning   |                  |                      |           |                |      |      |      |                 |                 |
| Project Description  | Otonabee River Trail - Del Crary Park to Little Lake Cemetery |                  |                      |           |                |      |      |      |                 |                 |
| Project #            | 5-2.04  |                  |                      |           |                |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |           |                |      |      |      |                 |                 |
| Contractual Services |   | 2,400.0          | 400.0                |           | 2,000.0        |      |      |      |                 |                 |
| Total Direct Revenue |   | <u>2,400.0</u>   | <u>400.0</u>         |           | <u>2,000.0</u> |      |      |      |                 |                 |
| Direct Revenue       |   |                  |                      |           |                |      |      |      |                 |                 |
| Donation             |   | 75.0             | 75.0                 |           |                |      |      |      |                 |                 |
| Total Direct Revenue |   | <u>75.0</u>      | <u>75.0</u>          |           |                |      |      |      |                 |                 |
| Net Requirements     |   | <u>2,325.0</u>   | <u>325.0</u>         |           | <u>2,000.0</u> |      |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |           |                |      |      |      |                 |                 |
| Capital Levy         |   | <u>2,325.0</u>   | <u>325.0</u>         |           | <u>2,000.0</u> |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-2.05

**Division:** Planning - Planning

**Project Name & Description**

Central Area Master Plan Implementation Phase

**Commitments Made**

The Official Plan directs that the City pursue a comprehensive program of downtown enhancement. The Central Area Master Plan (CAMP) affirms this public policy objective.

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The CAMP includes a strategy that identifies the need for adequate financial resources for programs to ensure the downtown maintains a public image of quality and cleanliness. Renewal of aging streetscape accessories and other general maintenance upgrades are required on periodic basis to ensure this image is upheld.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |   | Project | Approved | Requested |       |       |      |      | 2027 to | 2032 to |
|-----------------------------------|---|---------|----------|-----------|-------|-------|------|------|---------|---------|
|                                   |   | Total   | Pre-2022 | 2022      | 2023  | 2024  | 2025 | 2026 | 2031    | 2046    |
| Department                        | Infrastructure and Planning Services          |         |          |           |       |       |      |      |         |         |
| Division                          | Planning - Planning                           |         |          |           |       |       |      |      |         |         |
| Project Description               | Central Area Master Plan Implementation Phase |         |          |           |       |       |      |      |         |         |
| Project #                         | 5-2.05  |         |          |           |       |       |      |      |         |         |
| Expenditures                      |   |         |          |           |       |       |      |      |         |         |
| Contractual Services              |   | 2,435.0 | 1,710.0  |           | 400.0 | 325.0 |      |      |         |         |
|                                   |   |         |          |           |       |       |      |      |         |         |
| Direct Revenue                    |   |         |          |           |       |       |      |      |         |         |
| Contribution from related project |   | 477.2   | 477.2    |           |       |       |      |      |         |         |
| Total Direct Revenue              |   | 477.2   | 477.2    |           |       |       |      |      |         |         |
|                                   |   |         |          |           |       |       |      |      |         |         |
| Net Requirements                  |   | 1,957.8 | 1,232.8  |           | 400.0 | 325.0 |      |      |         |         |
|                                   |   |         |          |           |       |       |      |      |         |         |
| To Be Financed From:              |   |         |          |           |       |       |      |      |         |         |
| Reserves                          |   |         |          |           |       |       |      |      |         |         |
| Capital Levy Reserve              |   | 375.0   | 375.0    |           |       |       |      |      |         |         |
| Total Reserves                    |   | 375.0   | 375.0    |           |       |       |      |      |         |         |
|                                   |   |         |          |           |       |       |      |      |         |         |
| Capital Levy                      |   | 1,582.8 | 857.8    |           | 400.0 | 325.0 |      |      |         |         |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                           | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023    |         | 2024    |         | 2025 & After |         |
|---|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|---------|---------|---------|---------|--------------|---------|
|   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total   | Net     | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services Planning |        |               |                   |             |     |          |          |         |     |       |         |         |         |         |              |         |
| Central Area CIP Implementation               | 5-2.06 | 9,300.0       | 5,000.0           | 700.0       |     | 700.0    | 700.0    |         |     |       | 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0      | 1,200.0 |
| Zoning By-law Update                          | 5-2.07 | 516.1         | 234.4             | 183.7       |     | 183.7    | 183.7    |         |     |       | 98.0    | 98.0    |         |         |              |         |
| Wetland Evaluations                           | 5-2.08 | 250.0         |                   | 100.0       |     | 100.0    | 100.0    |         |     |       | 150.0   | 150.0   |         |         |              |         |
| Secondary Plans                               | 5-2.09 | 1,000.0       | 150.0             | 50.0        |     | 50.0     | 50.0     |         |     |       | 200.0   | 200.0   | 200.0   | 200.0   | 400.0        | 400.0   |
| Total   |        | 11,066.1      | 5,384.4           | 1,033.7     |     | 1,033.7  | 1,033.7  |         |     |       | 1,648.0 | 1,648.0 | 1,400.0 | 1,400.0 | 1,600.0      | 1,600.0 |

## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-2.06

**Division:** Planning - Planning

#### Project Name & Description

Central Area Community Improvement Plan (CIP) Implementation

#### Commitments Made

The Official Plan directs that the City pursue a comprehensive program of downtown enhancement. The Central Area Master Plan affirms this public policy objective.

The Central Area Master Plan was completed in May 2009, as reported to Council in Report PLPD09 - 026, dated May 11, 2009. The plan identified 22 strategies to promote the ongoing health and vitality of the Central Area.

One of the strategies of the Master Plan was to adopt a Community Improvement Plan (CIP) for the Central Area. In August 2011, the Central Area CIP was approved by Council (By-law 11-115, Report PLPD11-062, and amended by By-law 17-066, Report PLPD17 - 023) and By-law 21-067 (Report IPSPL21-018) establishing a suite of financial incentives to assist property owners to rehabilitate and redevelop downtown properties.

#### Effects on Future Operating Budgets

#### Project Detail, Justification & Reference Map

The purpose of the CIP is to ensure the long term economic, social and cultural vitality of the Central Area providing financial incentives to assist in the enhancement and revitalization of the downtown area.

The Façade Improvement, Municipal Incentive and Residential Conversion and Intensification Grant Programs are the three CIP Programs that require capital funding.

Facade Improvement - \$100,000

Municipal Incentive - \$100,000

Residential Conversion & Intensification - \$500,000

Costs to convert non residential space to residential are greater than first anticipated given current Building Code and accessibility standards. These costs significantly affect larger conversion projects that could dramatically increase the residential unit supply in the Central Area. This Program could significantly impact the uptake in additional units in the Central Area which will assist the City in meeting its intensification targets for the Central Area established by the Province.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                       |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |         |         |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|-----------------------|--------------------------------------|------------------|----------------------|-----------|---------|---------|---------|------|-----------------|-----------------|--|
|                       |                                      |                  |                      | 2022      | 2023    | 2024    | 2025    | 2026 |                 |                 |  |
| Department            | Infrastructure and Planning Services |                  |                      |           |         |         |         |      |                 |                 |  |
| Division              | Planning - Planning                  |                  |                      |           |         |         |         |      |                 |                 |  |
| Project Description   | Central Area CIP Implementation      |                  |                      |           |         |         |         |      |                 |                 |  |
| Project #             | 5-2.06                               |                  |                      |           |         |         |         |      |                 |                 |  |
| Expenditures          |                                      |                  |                      |           |         |         |         |      |                 |                 |  |
| Contractual Services  | 9,300.0                              | 5,000.0          |                      | 700.0     | 1,200.0 | 1,200.0 | 1,200.0 |      |                 |                 |  |
| Total Direct Revenue  | 9,300.0                              | 5,000.0          |                      | 700.0     | 1,200.0 | 1,200.0 | 1,200.0 |      |                 |                 |  |
| Net Requirements      | 9,300.0                              | 5,000.0          |                      | 700.0     | 1,200.0 | 1,200.0 | 1,200.0 |      |                 |                 |  |
| To Be Financed From:  |                                      |                  |                      |           |         |         |         |      |                 |                 |  |
| Reserves              |                                      |                  |                      |           |         |         |         |      |                 |                 |  |
| Capital Levy Reserve  | 1,624.0                              | 1,624.0          |                      |           |         |         |         |      |                 |                 |  |
| Casino Gaming Reserve | 1,000.0                              | 1,000.0          |                      |           |         |         |         |      |                 |                 |  |
| Total Reserves        | 2,624.0                              | 2,624.0          |                      |           |         |         |         |      |                 |                 |  |
| Capital Levy          | 6,676.0                              | 2,376.0          |                      | 700.0     | 1,200.0 | 1,200.0 | 1,200.0 |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-2.07**Division:** Planning - Planning**Project Name & Description**

Zoning By-law Update

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

With the approval of the new Official Plan, the Zoning By law must also be updated to implement the new policy direction for the municipality.

This update will include a review of the By law and recommend changes and additions based on an operational review, as well as the new policy direction of the Official Plan.

Given the magnitude of this project, it cannot be completed in house with current staffing levels. A Capital budget of \$200,000 was established in 2019 - \$100,000 for a contract planner and \$100,000 for year 1 costs associated with the Zoning By Law Update. This work involved research and best practice analysis, however was not started due to delays in the completion of the new Official Plan. For 2022 a budget of \$50,000 is proposed for a contract planner resource. It is expected the contract position would continue through 2023. This project will start in 2022, pending provincial approval of the new Official Plan.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                       |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |             |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------------------|--------------------------------------|------------------|----------------------|--------------|-------------|------|------|------|-----------------|-----------------|
|                                       |                                      |                  |                      | 2022         | 2023        | 2024 | 2025 | 2026 |                 |                 |
| Department                            | Infrastructure and Planning Services |                  |                      |              |             |      |      |      |                 |                 |
| Division                              | Planning - Planning                  |                  |                      |              |             |      |      |      |                 |                 |
| Project Description                   | Zoning By-law Update                 |                  |                      |              |             |      |      |      |                 |                 |
| Project #                             | 5-2.07                               |                  |                      |              |             |      |      |      |                 |                 |
| Expenditures                          |                                      |                  |                      |              |             |      |      |      |                 |                 |
| Contractual Services                  |                                      | 516.1            | 234.4                | 183.7        | 98.0        |      |      |      |                 |                 |
| Total Direct Revenue                  |                                      | <u>516.1</u>     | <u>234.4</u>         | <u>183.7</u> | <u>98.0</u> |      |      |      |                 |                 |
| Net Requirements                      |                                      | <u>516.1</u>     | <u>234.4</u>         | <u>183.7</u> | <u>98.0</u> |      |      |      |                 |                 |
| To Be Financed From:                  |                                      |                  |                      |              |             |      |      |      |                 |                 |
| Reserves                              |                                      |                  |                      |              |             |      |      |      |                 |                 |
| Infrastructure Planning Services Capi |                                      | 102.0            | 102.0                |              |             |      |      |      |                 |                 |
| Total Reserves                        |                                      | <u>102.0</u>     | <u>102.0</u>         |              |             |      |      |      |                 |                 |
| Capital Levy                          |                                      | <u>414.1</u>     | <u>132.4</u>         | <u>183.7</u> | <u>98.0</u> |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-2.08**Division:** Planning - Planning**Project Name & Description**

Wetland Evaluations

**Commitments Made**

The new Official Plan contains policy calling for the completion of wetland evaluations by the City for unevaluated wetlands within the city.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Wetland evaluations fall under the purview of the Ministry of Natural Resources and Forestry under the Ontario Wetland Evaluation System which rates wetlands as being Provincially Significant or Locally Significant. Provincially Significant Wetlands must be protected. Years ago, these evaluations were completed by the Ministry, however, more recently, the Ministry requires these evaluations to be completed by property owners prior to development approvals being granted. This situation has been problematic when wetlands cross property lines and access to the wetland cannot be secured.

Given the importance of wetlands, and the need to protect these features, it is appropriate for the City to complete evaluations for the wetlands in the city that are still unevaluated. This would be in keeping with the policy direction of the Official Plan.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--------------------------------------|------------------|----------------------|--------------|--------------|------|------|------|-----------------|-----------------|
|                      |                                      |                  |                      | 2022         | 2023         | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services |                  |                      |              |              |      |      |      |                 |                 |
| Division             | Planning - Planning                  |                  |                      |              |              |      |      |      |                 |                 |
| Project Description  | Wetland Evaluations                  |                  |                      |              |              |      |      |      |                 |                 |
| Project #            | 5-2.08                               |                  |                      |              |              |      |      |      |                 |                 |
| Expenditures         |                                      |                  |                      |              |              |      |      |      |                 |                 |
| Contractual Services |                                      | 250.0            |                      | 100.0        | 150.0        |      |      |      |                 |                 |
| Total Direct Revenue |                                      | <u>250.0</u>     |                      | <u>100.0</u> | <u>150.0</u> |      |      |      |                 |                 |
| Net Requirements     |                                      | <u>250.0</u>     |                      | <u>100.0</u> | <u>150.0</u> |      |      |      |                 |                 |
| To Be Financed From: |                                      |                  |                      |              |              |      |      |      |                 |                 |
| Capital Levy         |                                      | <u>250.0</u>     |                      | <u>100.0</u> | <u>150.0</u> |      |      |      |                 |                 |



**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-2.09**Division:** Planning - Planning**Project Name & Description**

Official Plan Secondary Plans

**Commitments Made**

The Official Plan Update identified the need to create Secondary Plans for Strategic Growth Areas, including the Central Area and important nodes and corridors, to satisfy growth management requirements of the Growth Plan for the Greater Golden Horseshoe.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

As part of the Official Plan Update, a design charrette was conducted in June 2018 to generate design ideas and concepts for the Central Area and identified nodes and corridors throughout the city. The goal was to consider these areas as prime areas for intensification and create a vision for their potential redevelopment.

The new Official Plan identifies these nodes and corridors as Strategic Growth Areas and calls for Secondary Plans to be created for these important growth areas which will provide a framework for how these areas will redevelop. Urban design is a critical element in the planning of these areas.

Completion of secondary plans for all of these areas is expected to be a 5 year project with the focus of the 2022 project being the Central Area with a \$200,000 budget. Additional requests of \$200,000 annually will be made over the next four years to complete secondary plans for the remaining intensification areas including the Lansdowne Street, Clonsilla Avenue and Chemong Road corridors. Project will start in 2022.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |       |       |       |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--------------------------------------|------------------|----------------------|-----------|-------|-------|-------|------|-----------------|-----------------|
|                      |                                      |                  |                      | 2022      | 2023  | 2024  | 2025  | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services |                  |                      |           |       |       |       |      |                 |                 |
| Division             | Planning - Planning                  |                  |                      |           |       |       |       |      |                 |                 |
| Project Description  | Secondary Plans                      |                  |                      |           |       |       |       |      |                 |                 |
| Project #            | 5-2.09                               |                  |                      |           |       |       |       |      |                 |                 |
| Expenditures         |                                      |                  |                      |           |       |       |       |      |                 |                 |
| Contractual Services | 1,000.0                              | 150.0            | 50.0                 | 200.0     | 200.0 | 200.0 | 200.0 |      |                 |                 |
| Total Direct Revenue | 1,000.0                              | 150.0            | 50.0                 | 200.0     | 200.0 | 200.0 | 200.0 |      |                 |                 |
| Net Requirements     | 1,000.0                              | 150.0            | 50.0                 | 200.0     | 200.0 | 200.0 | 200.0 |      |                 |                 |
| To Be Financed From: |                                      |                  |                      |           |       |       |       |      |                 |                 |
| Capital Levy         | 1,000.0                              | 150.0            | 50.0                 | 200.0     | 200.0 | 200.0 | 200.0 |      |                 |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description  | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |         |  |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|---------|--|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net     |  |
| Infrastructure and Planning Services<br>Growth Areas           |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |  |
| Lily Lake - Centralized Stormwater Mgm't Facilities            | 5-3.01 | 4,243.2       | 2,200.0           |             |     |          |          |         |     |       | 645.0 | 645.0 |       |       | 1,398.2      | 1,398.2 |  |
| Jackson (Loggerhead Marsh) – Centralized Stormwater Facilities | 5-3.02 | 2,144.0       | 1,500.0           |             |     |          |          |         |     |       |       |       | 644.0 | 324.0 |              |         |  |
| Total  |        | 6,387.2       | 3,700.0           |             |     |          |          |         |     |       | 645.0 | 645.0 | 644.0 | 324.0 | 1,398.2      | 1,398.2 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-3.01

**Division:** Planning - Growth Areas

**Climate Adaptation:** Yes

**Project Name & Description**

Lily Lake Growth Area - Centralized Stormwater Management Facilities

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

This budget allocation represents the anticipated Development Charge contribution for the construction of centralized stormwater management facilities to support growth. Enactment of the 2017 Development Charges By-law is a City commitment to fund the construction of these facilities to accommodate growth.

The Background Study identified the following Development Charges funding requirements for this specific Growth Area:

Stormwater Management Facilities - \$4,243,200

The first phases of subdivision development in the Lily Lake Growth Area were delayed in 2017 and 2018. The 2018 budget allocated \$600,000 towards the centralized stormwater management facilities necessary to support this development. Additional allocations of \$800,000 were provided in 2020 and 2021. Construction started in 2019 and will continue into 2022.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested |              |      |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|-----------|--------------|------|----------------|------|-----------------|-----------------|
|                           |   |                  |                      | 2022      | 2023         | 2024 | 2025           | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services                |                  |                      |           |              |      |                |      |                 |                 |
| Division                  | Planning - Growth Areas                             |                  |                      |           |              |      |                |      |                 |                 |
| Project Description       | Lily Lake - Centralized Stormwater Mgm't Facilities |                  |                      |           |              |      |                |      |                 |                 |
| Project #                 | 5-3.01  |                  |                      |           |              |      |                |      |                 |                 |
| Expenditures              |   |                  |                      |           |              |      |                |      |                 |                 |
| Contractual Services      |   | 4,243.2          | 2,200.0              |           | 645.0        |      | 1,398.2        |      |                 |                 |
| Total Direct Revenue      |   | <u>4,243.2</u>   | <u>2,200.0</u>       |           | <u>645.0</u> |      | <u>1,398.2</u> |      |                 |                 |
| Net Requirements          |   | <u>4,243.2</u>   | <u>2,200.0</u>       |           | <u>645.0</u> |      | <u>1,398.2</u> |      |                 |                 |
| To Be Financed From:      |   |                  |                      |           |              |      |                |      |                 |                 |
| Development Charges       |   |                  |                      |           |              |      |                |      |                 |                 |
| DC - Lily Lake            |   | 4,243.2          | 2,200.0              |           | 645.0        |      | 1,398.2        |      |                 |                 |
| Total Development Charges |   | <u>4,243.2</u>   | <u>2,200.0</u>       |           | <u>645.0</u> |      | <u>1,398.2</u> |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-3.02**Division:** Planning - Growth Areas**Climate Adaptation:** Yes**Project Name & Description**

Jackson Area (Loggerhead Marsh) – Centralized Stormwater Facilities

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

This budget allocation represents the anticipated Development Charge contribution for the construction of centralized stormwater management facilities to support growth. Enactment of the 2017 Development Charges By-law is a City commitment to fund the construction of these facilities to accommodate growth in this Planning Area.

The Background Study identified the following Development Charges funding requirements for this specific Growth Area:

\$2,144,000 Stormwater Management Facilities

Comprised of:

\$ 864,000 Development Charge Contribution

\$1,280,000 Developer contribution (Loggerhead Marsh Local Services Agreement)

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |              |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--|------------------|----------------------|-----------|------|--------------|------|------|-----------------|-----------------|--|
|                           |  |                  |                      | 2022      | 2023 | 2024         | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services                           |                  |                      |           |      |              |      |      |                 |                 |  |
| Division                  | Planning - Growth Areas  |                  |                      |           |      |              |      |      |                 |                 |  |
| Project Description       | Jackson (Loggerhead Marsh) – Centralized Stormwater Facilities |                  |                      |           |      |              |      |      |                 |                 |  |
| Project #                 | 5-3.02   |                  |                      |           |      |              |      |      |                 |                 |  |
| Expenditures              |  |                  |                      |           |      |              |      |      |                 |                 |  |
| Contractual Services      |  | 2,144.0          | 1,500.0              |           |      | 644.0        |      |      |                 |                 |  |
| Total Direct Revenue      |  | <u>2,144.0</u>   | <u>1,500.0</u>       |           |      | <u>644.0</u> |      |      |                 |                 |  |
| Direct Revenue            |  |                  |                      |           |      |              |      |      |                 |                 |  |
| do Not use                |  | 320.0            |                      |           |      | 320.0        |      |      |                 |                 |  |
| Developer Contributions   |  | 960.0            | 960.0                |           |      |              |      |      |                 |                 |  |
| Total Direct Revenue      |  | <u>1,280.0</u>   | <u>960.0</u>         |           |      | <u>320.0</u> |      |      |                 |                 |  |
| Net Requirements          |  | <u>864.0</u>     | <u>540.0</u>         |           |      | <u>324.0</u> |      |      |                 |                 |  |
| To Be Financed From:      |  |                  |                      |           |      |              |      |      |                 |                 |  |
| Development Charges       |  |                  |                      |           |      |              |      |      |                 |                 |  |
| DC - Jackson              |  | 864.0            | 540.0                |           |      | 324.0        |      |      |                 |                 |  |
| Total Development Charges |  | <u>864.0</u>     | <u>540.0</u>         |           |      | <u>324.0</u> |      |      |                 |                 |  |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                          | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |      | 2024  |     | 2025 & After |     |  |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|------|-------|-----|--------------|-----|--|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net  | Total | Net | Total        | Net |  |
| Infrastructure and Planning Services         |        |               |                   |             |     |          |          |         |     |       |       |      |       |     |              |     |  |
| Growth Areas                                 |        |               |                   |             |     |          |          |         |     |       |       |      |       |     |              |     |  |
| Coldsprings Growth Area - Planning Studies   | 5-3.03 | 150.0         | 50.0              | 100.0       |     | 100.0    | 10.0     | 90.0    |     |       |       |      |       |     |              |     |  |
| Liftlock Planning Studies                    | 5-3.04 | 150.0         | 100.0             | 50.0        |     | 50.0     | 15.0     | 35.0    |     |       |       |      |       |     |              |     |  |
| Carnegie West Growth Area – Planning Studies | 5-3.05 | 100.0         | 75.0              |             |     |          |          |         |     |       | 25.0  | 25.0 |       |     |              |     |  |
| Total  |        | 400.0         | 225.0             | 150.0       |     | 150.0    | 25.0     | 125.0   |     |       | 25.0  | 25.0 |       |     |              |     |  |



**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

CAP Form 1 (Other)

**Department:** Infrastructure and Planning Services**Budget Reference #:** 5-3.03**Division:** Planning - Growth Areas**Project Name & Description**

Coldsprings Growth Area - Planning Studies

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

This budget allocation represents the anticipated Development Charge contribution for the completion of future planning studies to support growth. Enactment of the 2017 Development Charges By-law is a City commitment to fund the necessary studies to support development and accommodate growth in this Planning Area.

As development proceeds in the Coldsprings Growth Area, it is anticipated that there will be the need for technical studies to support future growth and address issues related to new development projects. These studies could relate to issues such as environmental considerations, traffic impacts and/or servicing constraints and could include City-led studies or peer reviews of developer-initiated studies.

The Background Study identified the following Development Charges funding requirements for this specific Growth Area:

Studies - \$150,000

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--|------------------|----------------------|--------------|------|------|------|------|-----------------|-----------------|--|
|                           |  |                  |                      | 2022         | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services       |                  |                      |              |      |      |      |      |                 |                 |  |
| Division                  | Planning - Growth Areas                    |                  |                      |              |      |      |      |      |                 |                 |  |
| Project Description       | Coldsprings Growth Area - Planning Studies |                  |                      |              |      |      |      |      |                 |                 |  |
| Project #                 | 5-3.03                                     |                  |                      |              |      |      |      |      |                 |                 |  |
| Expenditures              |  |                  |                      |              |      |      |      |      |                 |                 |  |
| Contractual Services      |  | 150.0            | 50.0                 | 100.0        |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |  | <u>150.0</u>     | <u>50.0</u>          | <u>100.0</u> |      |      |      |      |                 |                 |  |
| Net Requirements          |  | <u>150.0</u>     | <u>50.0</u>          | <u>100.0</u> |      |      |      |      |                 |                 |  |
| To Be Financed From:      |  |                  |                      |              |      |      |      |      |                 |                 |  |
| Development Charges       |  |                  |                      |              |      |      |      |      |                 |                 |  |
| DC -Coldsprings           |  | 140.0            | 50.0                 | 90.0         |      |      |      |      |                 |                 |  |
| Total Development Charges |  | <u>140.0</u>     | <u>50.0</u>          | <u>90.0</u>  |      |      |      |      |                 |                 |  |
| Capital Levy              |  | <u>10.0</u>      |                      | <u>10.0</u>  |      |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-3.04**Division:** Planning - Growth Areas**Project Name & Description**

Liftlock Growth Area - Planning Studies

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

This budget allocation represents the anticipated Development Charge contribution for the completion of future planning studies to support growth. Enactment of the 2017 Development Charges By-law is a City commitment to fund the necessary studies to support development and accommodate growth in this Planning Area.

As development proceeds in the Liftlock Growth Area, it is anticipated that there will be the need for technical studies to support future growth and address issues related to new development projects. These studies could relate to issues such as environmental considerations, traffic impacts and/or servicing constraints, and could include City-led studies or peer reviews of developer-initiated studies.

The Background Study identified a \$150,000 Development Charges funding requirement for studies for this specific Growth Area.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project      | Approved     | Requested   |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|--------------|--------------|-------------|------|------|------|------|-----------------|-----------------|
|                           |                                      | Total        | Pre-2022     | 2022        | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services |              |              |             |      |      |      |      |                 |                 |
| Division                  | Planning - Growth Areas              |              |              |             |      |      |      |      |                 |                 |
| Project Description       | Liftlock Planning Studies            |              |              |             |      |      |      |      |                 |                 |
| Project #                 | 5-3.04                               |              |              |             |      |      |      |      |                 |                 |
| Expenditures              |                                      |              |              |             |      |      |      |      |                 |                 |
| Contractual Services      |                                      | 150.0        | 100.0        | 50.0        |      |      |      |      |                 |                 |
| Total Direct Revenue      |                                      | <u>150.0</u> | <u>100.0</u> | <u>50.0</u> |      |      |      |      |                 |                 |
| Net Requirements          |                                      | <u>150.0</u> | <u>100.0</u> | <u>50.0</u> |      |      |      |      |                 |                 |
| To Be Financed From:      |                                      |              |              |             |      |      |      |      |                 |                 |
| Development Charges       |                                      |              |              |             |      |      |      |      |                 |                 |
| DC - Liftlock             |                                      | 135.0        | 100.0        | 35.0        |      |      |      |      |                 |                 |
| Total Development Charges |                                      | <u>135.0</u> | <u>100.0</u> | <u>35.0</u> |      |      |      |      |                 |                 |
| Capital Levy              |                                      | <u>15.0</u>  |              | <u>15.0</u> |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-3.05**Division:** Planning - Growth Areas**Project Name & Description**

Carnegie West Growth Area – Planning Studies

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

This budget allocation represents the anticipated Development Charge contribution for the completion of future planning studies to support growth. Enactment of the 2017 Development Charges By-law is a City commitment to fund the construction of these facilities to accommodate growth in this Planning Area.

As development proceeds in the Carnegie West Growth Area, it is anticipated that there will be the need for technical studies to support future growth and address issues related to new development projects. These studies could relate to issues such as environmental considerations, traffic impacts and/or servicing constraints and could include City-led studies or peer reviews of developer initiated studies.

The Background Study identified the following Development Charges funding requirements for this specific Growth Area.

Studies - \$ 100,000

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |             |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--|------------------|----------------------|-----------|-------------|------|------|------|-----------------|-----------------|
|                           |  |                  |                      | 2022      | 2023        | 2024 | 2025 | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services         |                  |                      |           |             |      |      |      |                 |                 |
| Division                  | Planning - Growth Areas                      |                  |                      |           |             |      |      |      |                 |                 |
| Project Description       | Carnegie West Growth Area – Planning Studies |                  |                      |           |             |      |      |      |                 |                 |
| Project #                 | 5-3.05                                       |                  |                      |           |             |      |      |      |                 |                 |
| Expenditures              |  |                  |                      |           |             |      |      |      |                 |                 |
| Contractual Services      |  | 100.0            | 75.0                 |           | 25.0        |      |      |      |                 |                 |
| Total Direct Revenue      |  | <u>100.0</u>     | <u>75.0</u>          |           | <u>25.0</u> |      |      |      |                 |                 |
| Net Requirements          |  | <u>100.0</u>     | <u>75.0</u>          |           | <u>25.0</u> |      |      |      |                 |                 |
| To Be Financed From:      |  |                  |                      |           |             |      |      |      |                 |                 |
| Development Charges       |  |                  |                      |           |             |      |      |      |                 |                 |
| DC - Carnegie West        |  | 90.0             | 75.0                 |           | 15.0        |      |      |      |                 |                 |
| Total Development Charges |  | <u>90.0</u>      | <u>75.0</u>          |           | <u>15.0</u> |      |      |      |                 |                 |
| Capital Levy              |  | <u>10.0</u>      |                      |           | <u>10.0</u> |      |      |      |                 |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                                      | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |     | 2024    |         | 2025 & After |         |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-----|---------|---------|--------------|---------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services<br>Industrial Parks |        |               |                   |             |     |          |          |         |     |       |       |     |         |         |              |         |
| Cleantech Commons<br>Phase 2 Servicing                   | 5-4.01 | 2,000.0       |                   |             |     |          |          |         |     |       |       |     | 1,000.0 | 1,000.0 | 1,000.0      | 1,000.0 |
| Total  |        | 2,000.0       |                   |             |     |          |          |         |     |       |       |     | 1,000.0 | 1,000.0 | 1,000.0      | 1,000.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-4.01**Division:** Planning - Industrial Parks**Climate Adaptation:** Yes**Project Name & Description**

Cleantech Commons - Phase 2 Servicing

**Commitments Made****Effects on Future Operating Budgets**

This expansion of a new subdivision will have additional streets, water and sewer, and stormwater infrastructure to be maintained.

**Project Detail, Justification & Reference Map**

The City and Trent University have partnered in the Cleantech Commons Research and Innovation Park along the north side of Pioneer Road. Cleantech Commons is poised to become a major focus of employment growth in the City of Peterborough.

The internal site servicing program is sequenced to ensure a supply of serviced building lots as demand warrants. Investors will construct buildings on land secured by a long-term ground lease. Internal site servicing costs will be recovered over time through ground lease payments. Servicing for the first phase of the development is to be completed late 2021/early 2022. This project will build out the second phase of the business park.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |                |      |              | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|------------------|----------------------|-----------|------|----------------|------|--------------|-----------------|-----------------|
|                           |                                      |                  |                      | 2022      | 2023 | 2024           | 2025 | 2026         |                 |                 |
| Department                | Infrastructure and Planning Services |                  |                      |           |      |                |      |              |                 |                 |
| Division                  | Planning - Industrial Parks          |                  |                      |           |      |                |      |              |                 |                 |
| Project Description       | Cleantech Commons Phase 2 Servicing  |                  |                      |           |      |                |      |              |                 |                 |
| Project #                 | 5-4.01                               |                  |                      |           |      |                |      |              |                 |                 |
| Expenditures              |                                      |                  |                      |           |      |                |      |              |                 |                 |
| Contractual Services      |                                      | 2,000.0          |                      |           |      | 1,000.0        |      | 333.3        |                 | 666.7           |
| Total Direct Revenue      |                                      | <u>2,000.0</u>   |                      |           |      | <u>1,000.0</u> |      | <u>333.3</u> |                 | <u>666.7</u>    |
| Net Requirements          |                                      | <u>2,000.0</u>   |                      |           |      | <u>1,000.0</u> |      | <u>333.3</u> |                 | <u>666.7</u>    |
| To Be Financed From:      |                                      |                  |                      |           |      |                |      |              |                 |                 |
| Debentures                |                                      |                  |                      |           |      |                |      |              |                 |                 |
| Deb Rev-Tax Supported     |                                      | 1,050.0          |                      |           |      | 500.0          |      | 183.3        |                 | 366.7           |
| Total Debenture Financing |                                      | <u>1,050.0</u>   |                      |           |      | <u>500.0</u>   |      | <u>183.3</u> |                 | <u>366.7</u>    |
| Capital Levy              |                                      | <u>950.0</u>     |                      |           |      | <u>500.0</u>   |      | <u>150.0</u> |                 | <u>300.0</u>    |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                                      | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |       |  |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|-------|--|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net   |  |
| Infrastructure and Planning Services<br>Industrial Parks |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |       |  |
| Cleantech Commons  | 5-4.02 | 1,486.5       | 806.4             | 132.0       |     | 132.0    | 132.0    |         |     |       | 134.0 | 134.0 | 136.0 | 136.0 | 278.1        | 278.1 |  |
| Total  |        | 1,486.5       | 806.4             | 132.0       |     | 132.0    | 132.0    |         |     |       | 134.0 | 134.0 | 136.0 | 136.0 | 278.1        | 278.1 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-4.02**Division:** Planning - Industrial Parks**Project Name & Description**

Cleantech Commons

**Commitments Made****Effects on Future Operating Budgets**

This is a new business park that will have additional streets, water, sanitary and storm water infrastructure to be maintained.

**Project Detail, Justification & Reference Map**

The City has made significant investments in serviced employment land at Cleantech Commons. This allocation represents the City's contribution to the Executive Director position for Cleantech Commons. The focus of this position is business strategy and tenant recruitment to make the business park successful. A university-based research park is more than a collection of businesses - it requires concentrated effort to establish a culture of innovation and creativity between tenants, the University and the broader community.

The Executive Director position fulfills the interests of the University as well as Cleantech Commons and therefore, 50% of the salary is paid by the City.

Funding is also provided for other contractual services related to the design, construction, marketing and start-up operations of Cleantech Commons, including supplemental project management, ongoing community engagement and establishment of policies and lease arrangements.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Infrastructure and Planning Services |                  |                      |              |              |              |              |              |                 |                 |  |
| Division             | Planning - Industrial Parks          |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description  | Cleantech Commons                    |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #            | 5-4.02                               |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures         |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services |                                      | 1,486.5          | 806.4                | 132.0        | 134.0        | 136.0        | 138.0        | 140.1        |                 |                 |  |
| Total Direct Revenue |                                      | <u>1,486.5</u>   | <u>806.4</u>         | <u>132.0</u> | <u>134.0</u> | <u>136.0</u> | <u>138.0</u> | <u>140.1</u> |                 |                 |  |
| Direct Revenue       |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Other Recoveries     |                                      | 120.8            | 120.8                |              |              |              |              |              |                 |                 |  |
| Total Direct Revenue |                                      | <u>120.8</u>     | <u>120.8</u>         |              |              |              |              |              |                 |                 |  |
| Net Requirements     |                                      | <u>1,365.7</u>   | <u>685.6</u>         | <u>132.0</u> | <u>134.0</u> | <u>136.0</u> | <u>138.0</u> | <u>140.1</u> |                 |                 |  |
| To Be Financed From: |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Capital Levy         |                                      | <u>1,365.7</u>   | <u>685.6</u>         | <u>132.0</u> | <u>134.0</u> | <u>136.0</u> | <u>138.0</u> | <u>140.1</u> |                 |                 |  |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                                  | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |         |       | 2023     |          | 2024    |         | 2025 & After |         |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|---------|-------|----------|----------|---------|---------|--------------|---------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb     | Other | Total    | Net      | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services                 |        |               |                   |             |     |          |          |         |         |       |          |          |         |         |              |         |
| Airport  |        |               |                   |             |     |          |          |         |         |       |          |          |         |         |              |         |
| Industrial Park East of Airport Rd North Development | 5-5.01 | 12,400.0      |                   | 1,000.0     |     | 1,000.0  |          |         | 1,000.0 |       | 6,400.0  | 6,400.0  | 5,000.0 | 5,000.0 |              |         |
| Airport Pumphouse Generator Replacement              | 5-5.02 | 290.0         |                   | 290.0       |     | 290.0    |          |         | 40.0    | 250.0 |          |          |         |         |              |         |
| Commercial and General Aviation Lot Prep             | 5-5.03 | 1,944.3       | 594.3             | 225.0       |     | 225.0    | 225.0    |         |         |       | 225.0    | 225.0    | 225.0   | 225.0   | 675.0        | 675.0   |
| Airport Water & Sewer Upgrade                        | 5-5.04 | 25,075.3      | 3,875.3           | 200.0       |     | 200.0    |          |         | 200.0   |       | 14,900.0 | 14,900.0 | 3,700.0 | 3,700.0 | 2,400.0      | 2,400.0 |
| Airport LED Lighting                                 | 5-5.05 | 260.0         | 40.0              | 100.0       |     | 100.0    |          |         | 100.0   |       | 120.0    | 120.0    |         |         |              |         |
| General Aviation Expansion                           | 5-5.06 | 500.0         | 300.0             | 100.0       |     | 100.0    |          |         | 100.0   |       | 100.0    | 100.0    |         |         |              |         |
| Bravo Taxiway Extension                              | 5-5.07 | 4,530.0       |                   | 30.0        |     | 30.0     | 30.0     |         |         |       |          |          |         |         | 4,500.0      | 4,500.0 |
| Aircraft Run-up Area                                 | 5-5.08 | 300.0         |                   |             |     |          |          |         |         |       | 300.0    | 300.0    |         |         |              |         |
| Meeting Regulatory Change                            | 5-5.09 | 250.0         | 150.0             |             |     |          |          |         |         |       | 100.0    | 100.0    |         |         |              |         |
| Total  |        | 45,549.6      | 4,959.6           | 1,945.0     |     | 1,945.0  | 255.0    |         | 1,440.0 | 250.0 | 22,145.0 | 22,145.0 | 8,925.0 | 8,925.0 | 7,575.0      | 7,575.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.01**Division:** Airport - Airport**Project Name & Description**

Airport Industrial Park east of Airport Road - North Development

**Commitments Made****Effects on Future Operating Budgets**

The Airport Industrial Park lots will be leased to aerospace tenants requiring large facilities, increasing operating revenues.

**Project Detail, Justification & Reference Map**

In 2015 a Functional Design Report was completed for the Peterborough Airport Industrial Park east of Airport Road. All environmental studies were completed and provided to the appropriate agencies. The south west lots and taxiway were constructed in 2015 and 2016. The majority of the prepared lot was leased for the construction of a new facility in 2019.

In order to prepare for future large tenants, funds have been budgeted for the development of the northern 34 acres east of Airport Road. In 2022, a tender will be issued for the engineered design for the lot development. Construction of the lots will commence in 2023 and be completed in 2024.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |         |         |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--|------------------|----------------------|-----------|---------|---------|------|------|-----------------|-----------------|--|
|                           |  |                  |                      | 2022      | 2023    | 2024    | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services                 |                  |                      |           |         |         |      |      |                 |                 |  |
| Division                  | Airport - Airport                                    |                  |                      |           |         |         |      |      |                 |                 |  |
| Project Description       | Industrial Park East of Airport Rd North Development |                  |                      |           |         |         |      |      |                 |                 |  |
| Project #                 | 5-5.01   |                  |                      |           |         |         |      |      |                 |                 |  |
| Expenditures              |  |                  |                      |           |         |         |      |      |                 |                 |  |
| Contractual Services      |  | 12,400.0         |                      | 1,000.0   | 6,400.0 | 5,000.0 |      |      |                 |                 |  |
| Total Direct Revenue      |  | 12,400.0         |                      | 1,000.0   | 6,400.0 | 5,000.0 |      |      |                 |                 |  |
| Net Requirements          |  | 12,400.0         |                      | 1,000.0   | 6,400.0 | 5,000.0 |      |      |                 |                 |  |
| To Be Financed From:      |  |                  |                      |           |         |         |      |      |                 |                 |  |
| Debentures                |  |                  |                      |           |         |         |      |      |                 |                 |  |
| DEBT DC-RoadsRelated      |  | 12,400.0         |                      | 1,000.0   | 6,400.0 | 5,000.0 |      |      |                 |                 |  |
| Total Debenture Financing |  | 12,400.0         |                      | 1,000.0   | 6,400.0 | 5,000.0 |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.02**Division:** Airport - Airport**Project Name & Description**

Airport Pumphouse Generator Replacement

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

It was determined by the Technical Safety Standards Authority (TSSA) that a number of repairs are required to bring the current generator up to the required legislated standards. The estimated cost of the repairs for the generator is forty-eight thousand dollars. ( \$48,000) The generator is approximately 20 years old and will only run one of the two fire pumps in the event of a power failure. It will not meet the needs and circumstances of the water and sewer pumping requirements for Airport expansion in the near future. TSSA has given the City one year to comply with the repair or replacement of the generator.

The proposed capital expenditure will allow the Airport to install a generator that will serve the fire protections and sewer and water needs currently and for the full build out of the Airport



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---|------------------|----------------------|--------------|------|------|------|------|-----------------|-----------------|--|
|                           |   |                  |                      | 2022         | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services    |                  |                      |              |      |      |      |      |                 |                 |  |
| Division                  | Airport - Airport                       |                  |                      |              |      |      |      |      |                 |                 |  |
| Project Description       | Airport Pumphouse Generator Replacement |                  |                      |              |      |      |      |      |                 |                 |  |
| Project #                 | 5-5.02                                  |                  |                      |              |      |      |      |      |                 |                 |  |
| Expenditures              |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Contractual Services      |   | 290.0            |                      | 290.0        |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>290.0</u>     |                      | <u>290.0</u> |      |      |      |      |                 |                 |  |
| Net Requirements          |   | <u>290.0</u>     |                      | <u>290.0</u> |      |      |      |      |                 |                 |  |
| To Be Financed From:      |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Debentures                |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |   | 40.0             |                      | 40.0         |      |      |      |      |                 |                 |  |
| Total Debenture Financing |   | <u>40.0</u>      |                      | <u>40.0</u>  |      |      |      |      |                 |                 |  |
| Reserves                  |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Capital Levy Reserve      |   | 250.0            |                      | 250.0        |      |      |      |      |                 |                 |  |
| Total Reserves            |   | <u>250.0</u>     |                      | <u>250.0</u> |      |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-5.03

**Division:** Airport - Airport

**Project Name & Description**

Commercial and General Aviation Lot Prep

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The Airport has approximately 30 acres of serviced land for industrial/commercial use and a further 3 acres for general aviation hangars. These parcels of land will be leased according to user requirements as has been the long-standing practice.

At the time of building construction, there are specific requirements for new tenant building lots that are the responsibility of the City's Airport and that cannot be reasonably anticipated during lot development. Such items include: isolated soil remediation costs, minor water and sewer extensions, hydro, transformers, drainage adjustments.

This capital project provides a funding source to cover Airport responsibilities associated with tenant specific requirements.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |  |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Infrastructure and Planning Services     |                  |                      |              |              |              |              |              |                 |                 |  |
| Division             | Airport - Airport                        |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description  | Commercial and General Aviation Lot Prep |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #            | 5-5.03                                   |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures         |  |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services |  | 1,944.3          | 594.3                | 225.0        | 225.0        | 225.0        | 225.0        | 225.0        | 225.0           |                 |  |
| Total Direct Revenue |  | <u>1,944.3</u>   | <u>594.3</u>         | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u>    |                 |  |
| Net Requirements     |  | <u>1,944.3</u>   | <u>594.3</u>         | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u>    |                 |  |
| To Be Financed From: |  |                  |                      |              |              |              |              |              |                 |                 |  |
| Reserves             |  |                  |                      |              |              |              |              |              |                 |                 |  |
| Capital Levy Reserve |  | 19.3             | 19.3                 |              |              |              |              |              |                 |                 |  |
| Total Reserves       |  | <u>19.3</u>      | <u>19.3</u>          |              |              |              |              |              |                 |                 |  |
| Capital Levy         |  | <u>1,925.0</u>   | <u>575.0</u>         | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u> | <u>225.0</u>    |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.04**Division:** Airport - Airport**Project Name & Description**

Airport Water and Sewer Servicing Upgrade

**Commitments Made**

City Council, at its meeting of March 19, 2018, authorized an amendment to the Airport Water and Sanitary Sewer Service Class EA (Report USDIR18-001 dated February 26, 2018).

**Effects on Future Operating Budgets**

The connection fee for new tenants will increase to offset servicing capital costs over the term of the lease.

**Project Detail, Justification & Reference Map**

In 2002, servicing was extended to the Airport to support business growth. The water usage dictated the size of service installed and, at the time, was considered to be oversized. Sanitary pumps were also installed based on the requirements with estimated additional capacity for the future.

In 2010, the Airport underwent a \$28.6 million expansion which led to an increase in the number of people on site, from 150 in 2002 to over 600 in 2018. The increase can be attributed to business expansion and the addition of the Seneca College School of Aviation.

In 2018, consultants were engaged to complete the Environmental Assessment and design to increase the water capacity to meet fire fighting requirements. In 2019 a water reservoir was constructed to meet fire regulation. A tender was issued to complete the engineering for the water and sewer upgrade in 2020. Funds have been budgeted for design in 2022 and for the construction of the upgraded water and sewer services in 2023. In 2024, funds for additional fire regulation requirements have been budgeted.

In order to position the City's Airport to capitalize on potential business opportunities, investment is required to pro-actively and properly prepare the site to support prospective business needs.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                  |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |         |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------------------|--------------------------------------|------------------|----------------------|-----------|---------|---------|------|------|-----------------|-----------------|
|                                  |                                      |                  |                      | 2022      | 2023    | 2024    | 2025 | 2026 |                 |                 |
| Department                       | Infrastructure and Planning Services |                  |                      |           |         |         |      |      |                 |                 |
| Division                         | Airport - Airport                    |                  |                      |           |         |         |      |      |                 |                 |
| Project Description              | Airport Water & Sewer Upgrade        |                  |                      |           |         |         |      |      |                 |                 |
| Project #                        | 5-5.04                               |                  |                      |           |         |         |      |      |                 |                 |
| Expenditures                     |                                      |                  |                      |           |         |         |      |      |                 |                 |
| Contractual Services             | 25,075.3                             | 3,875.3          | 200.0                | 14,900.0  | 3,700.0 | 2,400.0 |      |      |                 |                 |
| Net Requirements                 | 25,075.3                             | 3,875.3          | 200.0                | 14,900.0  | 3,700.0 | 2,400.0 |      |      |                 |                 |
| To Be Financed From:             |                                      |                  |                      |           |         |         |      |      |                 |                 |
| Debentures                       |                                      |                  |                      |           |         |         |      |      |                 |                 |
| Deb Rev-Tax Supported            | 1,189.1                              | 1,189.1          |                      |           |         |         |      |      |                 |                 |
| DEBT DC-RoadsRelated             | 21,720.0                             | 520.0            | 200.0                | 14,900.0  | 3,700.0 | 2,400.0 |      |      |                 |                 |
| Total Debenture Financing        | 22,909.1                             | 1,709.1          | 200.0                | 14,900.0  | 3,700.0 | 2,400.0 |      |      |                 |                 |
| Reserves                         |                                      |                  |                      |           |         |         |      |      |                 |                 |
| Canada Community-Build Fund (FGT | 866.7                                | 866.7            |                      |           |         |         |      |      |                 |                 |
| Waste Water Reserve              | 1,105.3                              | 1,105.3          |                      |           |         |         |      |      |                 |                 |
| Total Reserves                   | 1,972.0                              | 1,972.0          |                      |           |         |         |      |      |                 |                 |
| Capital Levy                     | 194.2                                | 194.2            |                      |           |         |         |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.05**Division:** Airport - Airport**Climate Mitigation:** Yes**Project Name & Description**

Airport LED Lighting

**Commitments Made****Effects on Future Operating Budgets**

Additional LED lighting in the commercial area will increase the hydro operating expense and the runway LED upgrade will reduce operating expenses through a reduction in electricity use and replacement bulbs.

**Project Detail, Justification & Reference Map**

There are two LED lighting projects to be completed at the Airport to include LED lighting in the Commercial Area and upgrading runway lights to LED.

During the major airport expansion in 2010, the new entrance to the Airport was lit for safety of Airport users. The Commercial Area on the east side of the Airport was not lit. This area is home to many businesses with varying hours and many use the airport after dark.

This project will be used to design and construct lighting throughout the Commercial Area at the Airport to be completed in 2022.

The existing runway lights are incandescent. A calculation for the return on investment was completed for replacing the light fixtures and transformers to LED. The anticipated return on investment is 10.6 years. The estimated reduction in emissions is 139.5 metric tonnes of CO<sub>2</sub>.

This project to be delivered in 2023, will upgrade existing runway lighting fixtures and transformers to LED and requires engineering, contract administration and contracted installation.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--------------------------------------|------------------|----------------------|--------------|--------------|------|------|------|-----------------|-----------------|--|
|                           |                                      |                  |                      | 2022         | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services |                  |                      |              |              |      |      |      |                 |                 |  |
| Division                  | Airport - Airport                    |                  |                      |              |              |      |      |      |                 |                 |  |
| Project Description       | Airport LED Lighting                 |                  |                      |              |              |      |      |      |                 |                 |  |
| Project #                 | 5-5.05                               |                  |                      |              |              |      |      |      |                 |                 |  |
| Expenditures              |                                      |                  |                      |              |              |      |      |      |                 |                 |  |
| Contractual Services      |                                      | 260.0            | 40.0                 | 100.0        | 120.0        |      |      |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>260.0</u>     | <u>40.0</u>          | <u>100.0</u> | <u>120.0</u> |      |      |      |                 |                 |  |
| Net Requirements          |                                      | <u>260.0</u>     | <u>40.0</u>          | <u>100.0</u> | <u>120.0</u> |      |      |      |                 |                 |  |
| To Be Financed From:      |                                      |                  |                      |              |              |      |      |      |                 |                 |  |
| Debentures                |                                      |                  |                      |              |              |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |                                      | 100.0            |                      | 100.0        |              |      |      |      |                 |                 |  |
| Total Debenture Financing |                                      | <u>100.0</u>     |                      | <u>100.0</u> |              |      |      |      |                 |                 |  |
| Capital Levy              |                                      | <u>160.0</u>     | <u>40.0</u>          |              | <u>120.0</u> |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.06**Division:** Airport - Airport**Project Name & Description**

General Aviation Expansion

**Commitments Made**

City Council, at its meeting of February 20, 2018 in considering Report PLAIR18-002, approved the updated Airport Master Plan.

**Effects on Future Operating Budgets**

New development at the Airport will generate new land lease revenues. The addition of new infrastructure will require an adjustment to the Operations contract for summer and winter property maintenance.

**Project Detail, Justification & Reference Map**

Development of the General Aviation Area commenced in 2007 with lot preparation, Taxiway Charlie and Apron III installation as part of the Major Airport Expansion Project in 2010. This area, containing approximately 30 hangars, has reached capacity with the exception of two small lots.

In response to market demand, an extension of the General Aviation Area commenced in 2017 on the east side of Apron III opening up three new lots for aircraft hangars. The works included drainage, internal road construction, services installation, fencing and lot fill. Phase 1 was completed in 2017. Phase 2 is scheduled to start in 2022.

This capital project will fund lot preparation for four lots, an access road, parking lots, installation of servicing, hydro installation and fencing.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--------------------------------------|------------------|----------------------|--------------|--------------|------|------|------|-----------------|-----------------|--|
|                           |                                      |                  |                      | 2022         | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services |                  |                      |              |              |      |      |      |                 |                 |  |
| Division                  | Airport - Airport                    |                  |                      |              |              |      |      |      |                 |                 |  |
| Project Description       | General Aviation Expansion           |                  |                      |              |              |      |      |      |                 |                 |  |
| Project #                 | 5-5.06                               |                  |                      |              |              |      |      |      |                 |                 |  |
| Expenditures              |                                      |                  |                      |              |              |      |      |      |                 |                 |  |
| Contractual Services      |                                      | 500.0            | 300.0                | 100.0        | 100.0        |      |      |      |                 |                 |  |
| Net Requirements          |                                      | <u>500.0</u>     | <u>300.0</u>         | <u>100.0</u> | <u>100.0</u> |      |      |      |                 |                 |  |
| To Be Financed From:      |                                      |                  |                      |              |              |      |      |      |                 |                 |  |
| Debentures                |                                      |                  |                      |              |              |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |                                      | 350.0            | 150.0                | 100.0        | 100.0        |      |      |      |                 |                 |  |
| Total Debenture Financing |                                      | <u>350.0</u>     | <u>150.0</u>         | <u>100.0</u> | <u>100.0</u> |      |      |      |                 |                 |  |
| Capital Levy              |                                      | <u>150.0</u>     | <u>150.0</u>         |              |              |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.07**Division:** Airport - Airport**Project Name & Description**

Bravo Taxiway Extension

**Commitments Made****Effects on Future Operating Budgets**

This project will increase the operations contract and grounds expenses due to an increase in infrastructure to maintain.

**Project Detail, Justification & Reference Map**

The 7,000 ft main runway currently has an adjacent taxiway covering half of the length, from the east end to the midpoint of the runway. When aircraft have to use the west end of the runway (due to wind direction) to depart, they taxi on the runway to reach their takeoff position. This will become more of a safety concern as traffic increases, as the current configuration presents a regular conflict of use. There are multiple aircraft in the circuit lined up for landing as aircraft on the ground are trying to use the runway to get to the west end to depart.

The extension of Bravo Taxiway is part of the short term developments identified in the 2017 Strategic Development Plan.

This project requires an ecological study to meet environmental requirements prior to construction. The ecological study will be completed in 2022 with the engineering, contract administration and construction to take place in 2025.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested   |      |                |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--------------------------------------|------------------|----------------------|-------------|------|----------------|------|------|-----------------|-----------------|
|                      |                                      |                  |                      | 2022        | 2023 | 2024           | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services |                  |                      |             |      |                |      |      |                 |                 |
| Division             | Airport - Airport                    |                  |                      |             |      |                |      |      |                 |                 |
| Project Description  | Bravo Taxiway Extension              |                  |                      |             |      |                |      |      |                 |                 |
| Project #            | 5-5.07                               |                  |                      |             |      |                |      |      |                 |                 |
| Expenditures         |                                      |                  |                      |             |      |                |      |      |                 |                 |
| Contractual Services |                                      | 4,530.0          |                      | 30.0        |      | 4,500.0        |      |      |                 |                 |
| Total Direct Revenue |                                      | <u>4,530.0</u>   |                      | <u>30.0</u> |      | <u>4,500.0</u> |      |      |                 |                 |
| Net Requirements     |                                      | <u>4,530.0</u>   |                      | <u>30.0</u> |      | <u>4,500.0</u> |      |      |                 |                 |
| To Be Financed From: |                                      |                  |                      |             |      |                |      |      |                 |                 |
| Capital Levy         |                                      | <u>4,530.0</u>   |                      | <u>30.0</u> |      | <u>4,500.0</u> |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.08**Division:** Airport - Airport**Project Name & Description**

Aircraft Run-up Area

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Run-up is the series of last-minute checks performed by pilots on an aircraft prior to take-off. Run-ups are also performed by aircraft mechanics to test engines and diagnose engine problems.

Aircraft require a location to complete high-powered run-ups that will not conflict with runway use and Airport infrastructure. There are specific requirements for aircraft including facing into the wind and safety of Airport operations. The larger jet aircraft produce a significant jet blast that can be quite damaging. This project will review existing infrastructure to identify areas for safe run-ups and to identify the long-term plan for a permanent run-up area.

A consultant was engaged to complete this study in consultation with Airport staff in 2020.

This project will require design and construction of an aircraft run-up area based on the study.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--------------------------------------|------------------|----------------------|-----------|--------------|------|------|------|-----------------|-----------------|
|                      |                                      |                  |                      | 2022      | 2023         | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services |                  |                      |           |              |      |      |      |                 |                 |
| Division             | Airport - Airport                    |                  |                      |           |              |      |      |      |                 |                 |
| Project Description  | Aircraft Run-up Area                 |                  |                      |           |              |      |      |      |                 |                 |
| Project #            | 5-5.08                               |                  |                      |           |              |      |      |      |                 |                 |
| Expenditures         |                                      |                  |                      |           |              |      |      |      |                 |                 |
| Contractual Services |                                      | 300.0            |                      |           | 300.0        |      |      |      |                 |                 |
| Total Direct Revenue |                                      | <u>300.0</u>     |                      |           | <u>300.0</u> |      |      |      |                 |                 |
| Net Requirements     |                                      | <u>300.0</u>     |                      |           | <u>300.0</u> |      |      |      |                 |                 |
| To Be Financed From: |                                      |                  |                      |           |              |      |      |      |                 |                 |
| Capital Levy         |                                      | <u>300.0</u>     |                      |           | <u>300.0</u> |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.09**Division:** Airport - Airport**Project Name & Description**

Meeting Regulatory Change

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

New Transport Canada Aerodrome Standards and Recommended Practices, TP312 5th Edition, was published in July 2015. Transport Canada has had a phased in approach of the new regulations.

In 2020, Airport staff continued to produce a case to be presented to Transport Canada to reduce the decision height for the instrument approaches. The instrument approaches are used for pilots to locate the runway in poor weather conditions. The lower the decision height the more likely an aircraft is able to land in poor weather conditions. Upon Transport Canada approval of the level of service improvement for the instrument approaches, changes to airside elements will be required, due to the new regulations.

Changes required to meet TP312 5th Edition include, extension of the safety area around the runway, paint markings, runway/taxiway edge light colours and other airside changes as applicable. Some additional signage, lighting and design of instrument procedures will also be required. This project included the removal of the Runway 27 displacement which was completed in 2019.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|-----------|--------------|------|------|------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022      | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Infrastructure and Planning Services |                  |                      |           |              |      |      |      |                 |                 |  |
| Division             | Airport - Airport                    |                  |                      |           |              |      |      |      |                 |                 |  |
| Project Description  | Meeting Regulatory Change            |                  |                      |           |              |      |      |      |                 |                 |  |
| Project #            | 5-5.09                               |                  |                      |           |              |      |      |      |                 |                 |  |
| Expenditures         |                                      |                  |                      |           |              |      |      |      |                 |                 |  |
| Contractual Services |                                      | 250.0            | 150.0                |           | 100.0        |      |      |      |                 |                 |  |
| Total Direct Revenue |                                      | <u>250.0</u>     | <u>150.0</u>         |           | <u>100.0</u> |      |      |      |                 |                 |  |
| Net Requirements     |                                      | <u>250.0</u>     | <u>150.0</u>         |           | <u>100.0</u> |      |      |      |                 |                 |  |
| To Be Financed From: |                                      |                  |                      |           |              |      |      |      |                 |                 |  |
| Capital Levy         |                                      | <u>250.0</u>     | <u>150.0</u>         |           | <u>100.0</u> |      |      |      |                 |                 |  |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                      | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |     |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|-----|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net |
| Infrastructure and Planning Services     |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |     |
| Airport                                  |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |     |
| Federal Zoning Process                   | 5-5.10 | 600.0         | 400.0             | 200.0       |     | 200.0    |          |         |     | 200.0 |       |       |       |       |              |     |
| Obstacle Limitation Surface Tree Cutting | 5-5.11 | 853.9         | 653.9             |             |     |          |          |         |     |       | 100.0 | 100.0 | 100.0 | 100.0 |              |     |
| Airport Master Plan                      | 5-5.12 | 50.0          |                   | 50.0        |     | 50.0     |          |         |     | 50.0  |       |       |       |       |              |     |
| Total                                    |        | 1,503.9       | 1,053.9           | 250.0       |     | 250.0    |          |         |     | 250.0 | 100.0 | 100.0 | 100.0 | 100.0 |              |     |



## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.10**Division:** Airport - Airport**Project Name & Description**

Federal Zoning Process

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The Peterborough Airport Zoning Regulations are federal zoning controls developed to protect the area surrounding the Airport from obstacles and specific land uses that could conflict with aviation safety. When federal regulations are compromised, airport certification could be at risk. Federal zoning supersedes all local zoning by-laws and controls activities on private properties.

Zoning regulations are in place for the pre-expanded Airport. Amended zoning is required to protect the extended runway.

This project will take multiple years to complete and is conducted under the direction of Transport Canada. It is also a public process and concludes with the federal zoning regulations being applied to the legal description of all affected properties. The federal zoning obligates land owners, within the affected area, to respect the obstacle limitation surface and not introduce land uses which may be deemed to compromise the safe operation of the Airport, thereby relieving the Airport of the cost to protect air safety on lands which are not owned by the Airport.

In order to complete the process, fees will be required by Transport Canada and to engage the services of an aviation consultant and legal expenses.

The 2013 Amended Federal Zoning capital budget of \$200,000 was transferred to the Seneca College Airside Improvements Capital Project budget, pursuant to Council Approval of Report PLPD13 - 037. Replenishment of this fund is being requested in the 2022 Capital Budget.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--------------------------------------|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                      |                                      |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services |                  |                      |           |      |      |      |      |                 |                 |
| Division             | Airport - Airport                    |                  |                      |           |      |      |      |      |                 |                 |
| Project Description  | Federal Zoning Process               |                  |                      |           |      |      |      |      |                 |                 |
| Project #            | 5-5.10                               |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures         |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services |                                      | 600.0            | 400.0                | 200.0     |      |      |      |      |                 |                 |
| Net Requirements     |                                      | 600.0            | 400.0                | 200.0     |      |      |      |      |                 |                 |
| To Be Financed From: |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Reserves             |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Capital Levy Reserve |                                      | 400.0            | 200.0                | 200.0     |      |      |      |      |                 |                 |
| Total Reserves       |                                      | 400.0            | 200.0                | 200.0     |      |      |      |      |                 |                 |
| Capital Levy         |                                      | 200.0            | 200.0                |           |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-5.11**Division:** Airport - Airport**Project Name & Description**

Obstacle Limitation Surface Tree Cutting

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The Airport is required through Transport Canada regulations to maintain the Obstacle Limitation Surface (OLS) which is an obstacle free area around the runways for safety of aircraft arriving and departing.

There are properties with trees nearing the protected surface which will require extensive tree cutting. These trees are located on City owned land on the south side of the Airport, and on properties covered by obstacle protection easements and agreements surrounding the runways.

This project will require tree removal and maintenance, by the vendor of record, on the required properties in order to maintain the OLS.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested |              |              |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--|------------------|----------------------|-----------|--------------|--------------|------|------|-----------------|-----------------|
|                      |  |                  |                      | 2022      | 2023         | 2024         | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services     |                  |                      |           |              |              |      |      |                 |                 |
| Division             | Airport - Airport                        |                  |                      |           |              |              |      |      |                 |                 |
| Project Description  | Obstacle Limitation Surface Tree Cutting |                  |                      |           |              |              |      |      |                 |                 |
| Project #            | 5-5.11                                   |                  |                      |           |              |              |      |      |                 |                 |
| Expenditures         |  |                  |                      |           |              |              |      |      |                 |                 |
| Contractual Services |  | 853.9            | 653.9                |           | 100.0        | 100.0        |      |      |                 |                 |
|                      |  |                  |                      |           |              |              |      |      |                 |                 |
| Net Requirements     |  | <u>853.9</u>     | <u>653.9</u>         |           | <u>100.0</u> | <u>100.0</u> |      |      |                 |                 |
| To Be Financed From: |  |                  |                      |           |              |              |      |      |                 |                 |
| Capital Levy         |  | <u>853.9</u>     | <u>653.9</u>         |           | <u>100.0</u> | <u>100.0</u> |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-5.12

**Division:** Airport - Airport

**Project Name & Description**

Airport Master Plan

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The existing Airport Master Plan was created in 2009 providing a blueprint for development and growth at the Peterborough Airport, this document is now considered out of date.

A new Airport Master Plan will define the developmental concept for the airport that protects options for airport operations and development over an extended period, ensuring the airport is positioned to embrace new opportunities while serving the needs of the City of Peterborough, region, and operators.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Infrastructure and Planning Services |                  |                      |           |      |      |      |      |                 |                 |  |
| Division             | Airport - Airport                    |                  |                      |           |      |      |      |      |                 |                 |  |
| Project Description  | Airport Master Plan                  |                  |                      |           |      |      |      |      |                 |                 |  |
| Project #            | 5-5.12                               |                  |                      |           |      |      |      |      |                 |                 |  |
| Expenditures         |                                      |                  |                      |           |      |      |      |      |                 |                 |  |
| Contractual Services |                                      | 50.0             |                      | 50.0      |      |      |      |      |                 |                 |  |
| Total Direct Revenue |                                      | 50.0             |                      | 50.0      |      |      |      |      |                 |                 |  |
| Net Requirements     |                                      | 50.0             |                      | 50.0      |      |      |      |      |                 |                 |  |
| To Be Financed From: |                                      |                  |                      |           |      |      |      |      |                 |                 |  |
| Reserves             |                                      |                  |                      |           |      |      |      |      |                 |                 |  |
| Capital Levy Reserve |                                      | 50.0             |                      | 50.0      |      |      |      |      |                 |                 |  |
| Total Reserves       |                                      | 50.0             |                      | 50.0      |      |      |      |      |                 |                 |  |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description  | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023    |         | 2024    |         | 2025 & After |          |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|---------|---------|---------|---------|--------------|----------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total   | Net     | Total   | Net     | Total        | Net      |
| Infrastructure and Planning Services<br>Flood Reduction Master Plan Projects |        |               |                   |             |     |          |          |         |     |       |         |         |         |         |              |          |
| Bethune Street Diversion Shared Funding                                      | 5-6.01 | 47,765.1      | 47,190.1          | 190.0       |     | 190.0    |          |         |     | 190.0 | 190.0   | 190.0   | 195.0   | 195.0   |              |          |
| IIMP Infrastructure Information  | 5-6.02 | 150.0         | 50.0              | 25.0        |     | 25.0     |          |         |     | 25.0  | 25.0    | 25.0    | 25.0    | 25.0    | 25.0         | 25.0     |
| Bethune St Diversion City Funded   | 5-6.03 | 12,235.8      | 5,485.8           |             |     |          |          |         |     |       | 3,480.0 | 3,480.0 | 1,660.0 | 1,660.0 | 1,610.0      | 1,610.0  |
| Curtis Creek Watershed Improvements  | 5-6.04 | 28,885.0      | 1,955.0           |             |     |          |          |         |     |       | 1,000.0 | 1,000.0 |         |         | 25,930.0     | 25,930.0 |
| Charlotte St Upgrades - SE Jackson 100-year Pipe                             | 5-6.05 | 900.0         |                   |             |     |          |          |         |     |       | 450.0   | 450.0   | 450.0   | 450.0   |              |          |
| Downtown Flood Mitigation Project (Water St./Simcoe St.)                     | 5-6.06 | 41,750.0      | 3,000.0           |             |     |          |          |         |     |       |         |         | 7,750.0 | 3,720.0 | 31,000.0     | 14,880.0 |
| North-East Jackson Watershed Improvements                                    | 5-6.07 | 27,100.0      | 400.0             |             |     |          |          |         |     |       |         |         | 2,100.0 | 2,100.0 | 24,600.0     | 24,600.0 |
| Byersville - Clonsilla Parkway Storm Basin                                   | 5-6.08 | 3,000.0       |                   |             |     |          |          |         |     |       |         |         | 1,000.0 | 1,000.0 | 2,000.0      | 2,000.0  |
| South-East Jackson Watershed Upgrades  | 5-6.09 | 76,700.0      |                   |             |     |          |          |         |     |       |         |         |         |         | 76,700.0     | 76,700.0 |
| Byersville Watershed Improvements  | 5-6.10 | 40,820.0      |                   |             |     |          |          |         |     |       |         |         |         |         | 40,820.0     | 40,820.0 |
| Brookdale Watershed Improvements   | 5-6.11 | 31,537.5      | 487.5             |             |     |          |          |         |     |       |         |         |         |         | 31,050.0     | 31,050.0 |
| Meade Watershed Improvements   | 5-6.12 | 9,390.0       |                   |             |     |          |          |         |     |       |         |         |         |         | 9,390.0      | 9,390.0  |
| Riverview Watershed Improvements   | 5-6.13 | 9,260.0       |                   |             |     |          |          |         |     |       |         |         |         |         | 9,260.0      | 9,260.0  |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                       | Ref    | Project Total    | Approved Pre-2022 | 2022         |     |              |          |         |     |              | 2023           |                | 2024            |                | 2025 & After     |                  |
|---|--------|------------------|-------------------|--------------|-----|--------------|----------|---------|-----|--------------|----------------|----------------|-----------------|----------------|------------------|------------------|
|   |        |                  |                   | Total Costs  | Rev | Net Cost     | Cap Levy | Dev Chg | Deb | Other        | Total          | Net            | Total           | Net            | Total            | Net              |
| Thompson Watershed Improvements           | 5-6.14 | 4,380.0          |                   |              |     |              |          |         |     |              |                |                |                 |                | 4,380.0          | 4,380.0          |
| South-West Jackson Watershed Improvements | 5-6.15 | 490.0            |                   |              |     |              |          |         |     |              |                |                |                 |                | 490.0            | 490.0            |
| North-West Jackson Watershed Improvements | 5-6.16 | 90.0             |                   |              |     |              |          |         |     |              |                |                |                 |                | 90.0             | 90.0             |
| <b>Total</b>                              |        | <b>334,453.4</b> | <b>58,568.4</b>   | <b>215.0</b> |     | <b>215.0</b> |          |         |     | <b>215.0</b> | <b>5,145.0</b> | <b>5,145.0</b> | <b>13,180.0</b> | <b>9,150.0</b> | <b>257,345.0</b> | <b>241,225.0</b> |



## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.01

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

Bethune Street Diversion Shared Funding

### Commitments Made

The Jackson Creek Flood Reduction Master Plan was approved by Council on April 12, 2010 through Report USEC10-007. Report USEC10-009 entitled "Flood Reduction Master Plan Progress Report and Watershed EA Capital Projects" adopted by Council on June 14, 2010 prioritized the watershed capital projects. The Jackson Creek Flow Diversion project is number two on this list.

The City has received provincial and federal funding for the project.

Council, through various Reports (USEC15-022, PLPL18-010, IPSEC18-024) have awarded the Design and Contract Admin to AECOM and have extended the construction phases to include the Charlotte Street East Project and the Downtown Gateway Project at Park Street and Charlotte Street.

### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased infrastructure quantity, is anticipated.

### Project Detail, Justification & Reference Map

This project is the shared portion of the overall project. The total project is approximately \$29.1 million with cost shared one-third between each of the federal, provincial and municipal governments. The combined federal and provincial funding is provided up to a maximum of \$15.9 million. The remaining \$14 million is the City's cost. Works eligible for the shared funding such as piped infrastructure, roads, etc. are covered under this project.

The project improves the road condition along an arterial street and recognizes that the CNR removed its tracks from the street in 1990 and that a formal rehabilitation is required. The 11-metre width provides for two traffic lanes and one parking lane. A bike lane requirement is noted in the 2011 Transportation Master Plan.

In conjunction with the roadworks, the existing Bethune Street sanitary trunk sewer identified in the Area Specific DC Bylaw, will be upgraded and Jackson Creek Diversion flood reduction measures, approved by Council in 2014, will be undertaken. The Central Area Master Plan also calls for a walking/cycling network connecting the Trans Canada Trail with Crawford Trail.

This project is identified in the Citywide DC By-law as a road project. Future years' funding requests will be required for potential cleanup of the old rail bed. Due to the magnitude of the project, it is expected that construction will occur over multiple years.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                 |  | Project  | Approved | Requested |       |      |      |      | 2027 to | 2032 to |
|---------------------------------|--|----------|----------|-----------|-------|------|------|------|---------|---------|
|                                 |  | Total    | Pre-2022 | 2022      | 2023  | 2024 | 2025 | 2026 | 2031    | 2046    |
| Department                      | Infrastructure and Planning Services               |          |          |           |       |      |      |      |         |         |
| Division                        | Engineering - Flood Reduction Master Plan Projects |          |          |           |       |      |      |      |         |         |
| Project Description             | Bethune Street Diversion Shared Funding            |          |          |           |       |      |      |      |         |         |
| Project #                       | 5-6.01   |          |          |           |       |      |      |      |         |         |
| Expenditures                    |  |          |          |           |       |      |      |      |         |         |
| Contractual Services            | 47,765.1   | 47,190.1 | 190.0    | 190.0     | 195.0 |      |      |      |         |         |
| Direct Revenue                  |  |          |          |           |       |      |      |      |         |         |
| Provincial Grant Capital Assets | 7,970.2  | 7,970.2  |          |           |       |      |      |      |         |         |
| Federal Grant Capital Assets    | 7,970.2  | 7,970.2  |          |           |       |      |      |      |         |         |
| Total Direct Revenue            | 15,940.3   | 15,940.3 |          |           |       |      |      |      |         |         |
| Net Requirements                | 31,824.8   | 31,249.8 | 190.0    | 190.0     | 195.0 |      |      |      |         |         |
| To Be Financed From:            |  |          |          |           |       |      |      |      |         |         |
| Debentures                      |  |          |          |           |       |      |      |      |         |         |
| Deb Rev-Tax Supported           | 2,079.5  | 2,079.5  |          |           |       |      |      |      |         |         |
| DEBT DC-RoadsRelated            | 2,844.0  | 2,844.0  |          |           |       |      |      |      |         |         |
| DEBT DC-Carnegie Est            | 1,681.4  | 1,681.4  |          |           |       |      |      |      |         |         |
| DEBT DC-Chemong East            | 1,125.8  | 1,125.8  |          |           |       |      |      |      |         |         |
| DEBT DC-Chemong West            | 2,153.2  | 2,153.2  |          |           |       |      |      |      |         |         |
| DEBT DC-CarnegieWest            | 902.9  | 902.9    |          |           |       |      |      |      |         |         |
| Total Debenture Financing       | 10,786.8   | 10,786.8 |          |           |       |      |      |      |         |         |
| Development Charges             |  |          |          |           |       |      |      |      |         |         |
| DC - Roads Related              | 885.9  | 820.9    |          |           | 65.0  |      |      |      |         |         |
| DC - Carnegie East              | 240.3  | 240.3    |          |           |       |      |      |      |         |         |
| DC - Chemong East               | 246.9  | 246.9    |          |           |       |      |      |      |         |         |
| DC - Chemong West               | 386.2  | 386.2    |          |           |       |      |      |      |         |         |
| DC - Carnegie West              | 126.6  | 126.6    |          |           |       |      |      |      |         |         |
| Total Development Charges       | 1,885.9  | 1,820.9  |          |           | 65.0  |      |      |      |         |         |
| Reserves                        |  |          |          |           |       |      |      |      |         |         |
| FRMP - Sewer Surcharge Reserve  | 5,310.0  | 5,310.0  |          |           |       |      |      |      |         |         |

|                             |                        |                        |                     |                     |                     |
|-----------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|
| FRMP - Capital Levy Reserve | 10,358.7               | 10,040.3               | 126.7               | 126.7               | 65.0                |
| Waste Water Reserve         | 2,983.4                | 2,791.8                | 63.3                | 63.3                | 65.0                |
| <b>Total Reserves</b>       | <b><u>18,652.1</u></b> | <b><u>18,142.1</u></b> | <b><u>190.0</u></b> | <b><u>190.0</u></b> | <b><u>130.0</u></b> |
| <b>Capital Levy</b>         | <b><u>500.0</u></b>    | <b><u>500.0</u></b>    |                     |                     |                     |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.02

**Division:** Infrastructure Planning - Flood Reduction Master Plan Projects

**Project Name & Description**

IIMP - Infrastructure Information Management Program

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

Engineering Management Information and Systems (EMIS), including hardware, software, licenses, training and maintenance, will provide a system for evaluating critical engineering issues, project prioritization, and management of the project. Software has been purchased for Engineering and Public Works to facilitate effective data management to achieve asset management objectives.

To support the large amounts of information compiled, EMIS will include the following activities:

- Engineering Information Management Gap Analysis
- System Architecture
- Data modeling
- Data warehousing
- GIS

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------------|---|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                                |   |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                     | Infrastructure and Planning Services                          |                  |                      |           |      |      |      |      |                 |                 |
| Division                       | Infrastructure Planning - Flood Reduction Master Plan Project |                  |                      |           |      |      |      |      |                 |                 |
| Project Description            | IIMP Infrastructure Information                               |                  |                      |           |      |      |      |      |                 |                 |
| Project #                      | 5-6.02  |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                   |   |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services           | 150.0   | 50.0             | 25.0                 | 25.0      | 25.0 | 25.0 |      |      |                 |                 |
| Net Requirements               | 150.0   | 50.0             | 25.0                 | 25.0      | 25.0 | 25.0 |      |      |                 |                 |
| To Be Financed From:           |   |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                       |   |                  |                      |           |      |      |      |      |                 |                 |
| FRMP - Sewer Surcharge Reserve | 75.0  | 25.0             | 12.5                 | 12.5      | 12.5 | 12.5 |      |      |                 |                 |
| FRMP - Capital Levy Reserve    | 75.0  | 25.0             | 12.5                 | 12.5      | 12.5 | 12.5 |      |      |                 |                 |
| Total Reserves                 | 150.0   | 50.0             | 25.0                 | 25.0      | 25.0 | 25.0 |      |      |                 |                 |

## 2022 - 2031 Capital Budget Justification

### Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.03

**Division:** Engineering - Flood Reduction Master Plan Projects

**Climate Adaptation:** Yes

#### Project Name & Description

Bethune Street Diversion - City Funded

#### Commitments Made

Council, at its meeting of September 8, 2015 in considering Report CPFS15-044, authorized the signing of the Small Communities Fund contribution agreement for the receipt of grant funding from the federal and provincial governments and the combining of the Jackson Creek Flow Diversion, Bethune Street - Dalhousie Street to Dublin Street and Bethune Trunk Sewer individual projects into one project renamed the Bethune Street Project.

Council, through various Reports (USEC15-022, PLPL18-010, IPSEC18-024) have awarded the Design and Contract Admin to AECOM and have extended the construction phases to include the Charlotte Street East Project and the Downtown Gateway Project at Park Street and Charlotte Street.

#### Effects on Future Operating Budgets

Increased infrastructure will increase maintenance costs. In particular this project may result in a long bridge structure under the definition of a bridge. It will require biennial inspections in keeping with our OSIM Bridge Inspection Program.

#### Project Detail, Justification & Reference Map

This project is the City portion of the overall project. The total project is approximately \$25 million and funding is shared 1/3 between the federal Government, the provincial government and the City. Works ineligible for the shared funding such as overhead, land acquisition, enhanced pedestrian/cycle facilities, etc., are covered under this project.

The project improves the road condition along an arterial street and recognizes that the CNR removed its tracks from the street in 1990 and that a formal rehabilitation is required. The 11-metre width provides for two traffic lanes and one parking lane. A bike lane requirement is noted in the 2011 Transportation Master Plan.

In conjunction with the roadworks, the existing Bethune Street sanitary trunk sewer identified in the Area Specific DC Bylaw, will be upgraded and Jackson Creek Diversion flood reduction measures, approved by Council in 2014, will be undertaken. The Central Area Master Plan also calls for a walking/cycling network connecting the Trans Canada Trail with Crawford Trail.

This project is identified in the Citywide DC By-law as a road project. Future years' funding requests will be required for potential cleanup of the old rail bed. Due to the magnitude of the project, it is expected that construction will occur over multiple years.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |                |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|----------------|----------------|----------------|------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023           | 2024           | 2025           | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |                |                |                |      |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |                |                |                |      |                 |                 |
| Project Description         | Bethune St Diversion City Funded                   |                  |                      |           |                |                |                |      |                 |                 |
| Project #                   | 5-6.03   |                  |                      |           |                |                |                |      |                 |                 |
| Expenditures                |  |                  |                      |           |                |                |                |      |                 |                 |
| Contractual Services        |  | 12,235.8         | 5,485.8              |           | 3,480.0        | 1,660.0        | 1,610.0        |      |                 |                 |
| Net Requirements            |  | <u>12,235.8</u>  | <u>5,485.8</u>       |           | <u>3,480.0</u> | <u>1,660.0</u> | <u>1,610.0</u> |      |                 |                 |
| To Be Financed From:        |  |                  |                      |           |                |                |                |      |                 |                 |
| Debentures                  |  |                  |                      |           |                |                |                |      |                 |                 |
| Deb Rev-Tax Supported       |  | 1,370.0          | 1,370.0              |           |                |                |                |      |                 |                 |
| DEBT DC-Carnegie Est        |  | 1,900.0          | 1,900.0              |           |                |                |                |      |                 |                 |
| DEBT DC-CarnegieWest        |  | 547.0            |                      |           | 547.0          |                |                |      |                 |                 |
| Total Debenture Financing   |  | <u>3,817.0</u>   | <u>3,270.0</u>       |           | <u>547.0</u>   |                |                |      |                 |                 |
| Reserves                    |  |                  |                      |           |                |                |                |      |                 |                 |
| FRMP - Capital Levy Reserve |  | 1,713.3          | 1,713.3              |           |                |                |                |      |                 |                 |
| Total Reserves              |  | <u>1,713.3</u>   | <u>1,713.3</u>       |           |                |                |                |      |                 |                 |
| Capital Levy                |  | <u>6,705.5</u>   | <u>502.5</u>         |           | <u>2,933.0</u> | <u>1,660.0</u> | <u>1,610.0</u> |      |                 |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services**Budget Reference #:** 5-6.04**Division:** Engineering - Flood Reduction Master Plan Projects**Climate Adaptation:** Yes**Project Name & Description**

Curtis Creek Watershed Improvements

**Commitments Made**

The Curtis Creek Flood Reduction Master Plan was approved by Council on February 8, 2010, through Report USEC10-001.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

The City has been successful in receiving provincial and federal funding for projects associated to this watershed, including the construction of culverts along Curtis Creek and the design of the channel improvements.

**Effects on Future Operating Budgets**

An increase in future operating budgets, due to increased infrastructure quantity, is anticipated.

**Project Detail, Justification & Reference Map**

The following projects have been completed through grant funding where the City also provided a City share: Curtis, Rogers, Tivey St Outlet Improvements, Curtis-Armour Rd Culvert, Curtis-Caddy St Culvert, Curtis-Euclid Ave Culvert Replacement.

The final stage of construction to bring all above referenced projects together will be channel rehabilitation between each of the above sites. This project will see in water work proceed to increase the capacity of the channel. The City has secured grant funding through the National Disaster Mitigation Fund to support the design of the channel works. Funding for construction will be requested in future years and the intention will be to seek additional grant funding to support the construction.

The Ashburnham Drive Pond improvements at the Trent Canal will be accelerated due to ongoing development in East City.

The following Curtis Creek strategic projects will be completed subsequent to those listed above: Storm Sewer Upgrades along: Parkhill Rd; Dufferin and Rogers St; Armour Rd; Hunter St; Sophia and Mark St; Ashburnham Dr (pond).



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                              |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|------------------------------|--|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                              |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                   | Infrastructure and Planning Services               |                  |                      |           |      |      |      |      |                 |                 |
| Division                     | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |      |      |      |                 |                 |
| Project Description          | Curtis Creek Watershed Improvements                |                  |                      |           |      |      |      |      |                 |                 |
| Project #                    | 5-6.04   |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                 |  |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services         | 28,885.0   | 1,955.0          |                      | 1,000.0   |      |      |      |      | 7,920.0         | 18,010.0        |
| Total Direct Revenue         | 28,885.0   | 1,955.0          |                      | 1,000.0   |      |      |      |      | 7,920.0         | 18,010.0        |
| Direct Revenue               |  |                  |                      |           |      |      |      |      |                 |                 |
| Federal Grant Capital Assets | 225.0  | 225.0            |                      |           |      |      |      |      |                 |                 |
| Total Direct Revenue         | 225.0  | 225.0            |                      |           |      |      |      |      |                 |                 |
| Net Requirements             | 28,660.0   | 1,730.0          |                      | 1,000.0   |      |      |      |      | 7,920.0         | 18,010.0        |
| To Be Financed From:         |  |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                     |  |                  |                      |           |      |      |      |      |                 |                 |
| FRMP - Capital Levy Reserve  | 28,660.0   | 1,730.0          |                      | 1,000.0   |      |      |      |      | 7,920.0         | 18,010.0        |
| Total Reserves               | 28,660.0   | 1,730.0          |                      | 1,000.0   |      |      |      |      | 7,920.0         | 18,010.0        |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.05

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

Charlotte Street Upgrades - SE Jackson 100-year Pipe

### Commitments Made

The Jackson Creek Flood Reduction Master Plan was approved by Council on April 12, 2010, through Report USEC10-007.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased sewer size and quantity, is anticipated.

### Project Detail, Justification & Reference Map

This project upgrade will include the Charlotte Street sewer from Downie Street to Jackson Creek to 100-year capacity. Opportunity exists to complete this project together with the Jackson Creek diversion project and the Charlotte St rehabilitation project.

The upgraded pipes, in the oldest section of the city, is the best alternative given the relatively flat topography of this area.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |              |              |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|--------------|--------------|------|------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023         | 2024         | 2025 | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |              |              |      |      |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |              |              |      |      |                 |                 |
| Project Description         | Charlotte St Upgrades - SE Jackson 100-year Pipe   |                  |                      |           |              |              |      |      |                 |                 |
| Project #                   | 5-6.05   |                  |                      |           |              |              |      |      |                 |                 |
| Expenditures                |  |                  |                      |           |              |              |      |      |                 |                 |
| Contractual Services        |  | 900.0            |                      |           | 450.0        | 450.0        |      |      |                 |                 |
| Total Direct Revenue        |  | <u>900.0</u>     |                      |           | <u>450.0</u> | <u>450.0</u> |      |      |                 |                 |
| Net Requirements            |  | <u>900.0</u>     |                      |           | <u>450.0</u> | <u>450.0</u> |      |      |                 |                 |
| To Be Financed From:        |  |                  |                      |           |              |              |      |      |                 |                 |
| Reserves                    |  |                  |                      |           |              |              |      |      |                 |                 |
| FRMP - Capital Levy Reserve |  | 900.0            |                      |           | 450.0        | 450.0        |      |      |                 |                 |
| Total Reserves              |  | <u>900.0</u>     |                      |           | <u>450.0</u> | <u>450.0</u> |      |      |                 |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services**Budget Reference #:** 5-6.06**Division:** Infrastructure Planning - Flood Reduction Master Plan Projects**Climate Adaptation:** Yes**Project Name & Description**

Downtown Flood Mitigation Project (Water St./Simcoe St.)

**Commitments Made**

The Jackson Creek Flood Reduction Master Plan was approved by Council on April 12, 2010, through Report USEC10-007.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

**Effects on Future Operating Budgets**

An increase in future operating budgets, due to increased sewer size and quantity, is anticipated.

A decrease in future operating budgets, due to reduced maintenance requirements on renewed infrastructure addressed through this project, is anticipated.

**Project Detail, Justification & Reference Map**

The Downtown Peterborough (Simcoe Street / Water Street) Flood Mitigation Project is in a major commercial and residential area, prone to flooding during high rainfall events.

The Project addresses several priorities to protect the community as outlined in the Flood Reduction Master Plan, the Sanitary Sewer Inflow & Infiltration Master Plan and Climate Adaptation priorities.

The project installs 100-yr storm sewer infrastructure along Simcoe Street and Water Street with an outlet to the Otonabee River, eliminates significant cross-connections between the storm and sanitary sewer systems to reduce inflows at the Wastewater Treatment Plant, and replaces an aging sanitary forcemain along Simcoe Street.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------------|---|------------------|----------------------|-----------|------|----------------|----------------|----------------|-----------------|-----------------|
|                                   |   |                  |                      | 2022      | 2023 | 2024           | 2025           | 2026           |                 |                 |
| Department                        | Infrastructure and Planning Services                          |                  |                      |           |      |                |                |                |                 |                 |
| Division                          | Infrastructure Planning - Flood Reduction Master Plan Project |                  |                      |           |      |                |                |                |                 |                 |
| Project Description               | Downtown Flood Mitigation Project (Water St./Simcoe St.)      |                  |                      |           |      |                |                |                |                 |                 |
| Project #                         | 5-6.06  |                  |                      |           |      |                |                |                |                 |                 |
| Expenditures                      |   |                  |                      |           |      |                |                |                |                 |                 |
| Contractual Services              |   | 41,750.0         | 3,000.0              |           |      | 7,750.0        | 7,750.0        | 7,750.0        | 15,500.0        |                 |
| Total Direct Revenue              |   | <u>41,750.0</u>  | <u>3,000.0</u>       |           |      | <u>7,750.0</u> | <u>7,750.0</u> | <u>7,750.0</u> | <u>15,500.0</u> |                 |
| Direct Revenue                    |   |                  |                      |           |      |                |                |                |                 |                 |
| Federal Grant                     |   | 18,500.0         | 3,000.0              |           |      | 3,100.0        | 3,100.0        | 3,100.0        | 6,200.0         |                 |
| Debt - WWRF                       |   | 4,650.0          |                      |           |      | 930.0          | 930.0          | 930.0          | 1,860.0         |                 |
| Total Direct Revenue              |   | <u>23,150.0</u>  | <u>3,000.0</u>       |           |      | <u>4,030.0</u> | <u>4,030.0</u> | <u>4,030.0</u> | <u>8,060.0</u>  |                 |
| Net Requirements                  |   | <u>18,600.0</u>  |                      |           |      | <u>3,720.0</u> | <u>3,720.0</u> | <u>3,720.0</u> | <u>7,440.0</u>  |                 |
| To Be Financed From:              |   |                  |                      |           |      |                |                |                |                 |                 |
| Reserves                          |   |                  |                      |           |      |                |                |                |                 |                 |
| Canada Community-Build Fund (FGT) |   | 2,350.0          |                      |           |      | 470.0          | 470.0          | 470.0          | 940.0           |                 |
| FRMP - Sewer Surcharge Reserve    |   | 6,250.0          |                      |           |      | 1,250.0        | 1,250.0        | 1,250.0        | 2,500.0         |                 |
| FRMP - Capital Levy Reserve       |   | 10,000.0         |                      |           |      | 2,000.0        | 2,000.0        | 2,000.0        | 4,000.0         |                 |
| Total Reserves                    |   | <u>18,600.0</u>  |                      |           |      | <u>3,720.0</u> | <u>3,720.0</u> | <u>3,720.0</u> | <u>7,440.0</u>  |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.07

**Division:** Engineering - Flood Reduction Master Plan Projects

**Climate Adaptation:** Yes

### Project Name & Description

North-East Jackson Watershed Improvements

### Commitments Made

The Jackson Creek Flood Reduction Master Plan was approved by Council on April 12, 2010, through Report USEC10-007.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased sewer size and quantity, is anticipated.

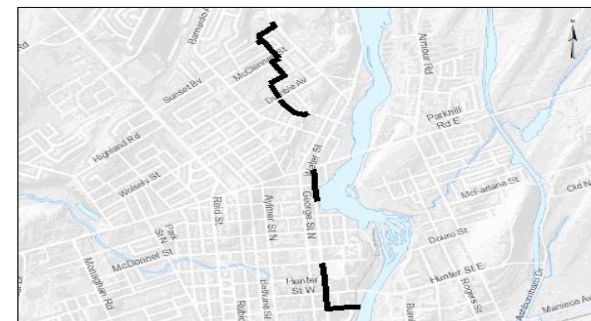
### Project Detail, Justification & Reference Map

The first need for this project will be the Water Street 100-yr Pipe south of Parkhill Road.

The Simcoe Street 100-year pipe from the Otonabee River to George Street has been included in the Downtown Flood Mitigation Project.

The following needs will be completed subsequent to this;

- Construction of a relief storm sewer parallel to the existing sewer from Hilliard Street along Phillip Street, McClennan Street, Gilbert Street, Elizabeth Avenue and Nicholls Street; and
- Up sizing the existing pipe to 100-year capacity from Nicholls Street and Dumble Avenue and along Parkhill Road and Water Street.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |                |                |                |                 | 2027 to<br>2031 | 2032 to<br>2046 |  |
|-----------------------------|--|------------------|----------------------|-----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|--|
|                             |  |                  |                      | 2022      | 2023           | 2024           | 2025           | 2026            |                 |                 |  |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |                |                |                |                 |                 |                 |  |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |                |                |                |                 |                 |                 |  |
| Project Description         | North-East Jackson Watershed Improvements          |                  |                      |           |                |                |                |                 |                 |                 |  |
| Project #                   | 5-6.07   |                  |                      |           |                |                |                |                 |                 |                 |  |
| Expenditures                |  |                  |                      |           |                |                |                |                 |                 |                 |  |
| Contractual Services        | 27,100.0   | 400.0            |                      |           | 2,100.0        | 2,100.0        | 2,500.0        | 15,000.0        | 5,000.0         |                 |  |
| Total Direct Revenue        | <u>27,100.0</u>                                    | <u>400.0</u>     |                      |           | <u>2,100.0</u> | <u>2,100.0</u> | <u>2,500.0</u> | <u>15,000.0</u> | <u>5,000.0</u>  |                 |  |
| Net Requirements            | <u>27,100.0</u>                                    | <u>400.0</u>     |                      |           | <u>2,100.0</u> | <u>2,100.0</u> | <u>2,500.0</u> | <u>15,000.0</u> | <u>5,000.0</u>  |                 |  |
| To Be Financed From:        |  |                  |                      |           |                |                |                |                 |                 |                 |  |
| Reserves                    |  |                  |                      |           |                |                |                |                 |                 |                 |  |
| FRMP - Capital Levy Reserve | 5,400.0  | 400.0            |                      |           |                |                |                | 2,500.0         | 2,500.0         |                 |  |
| Total Reserves              | <u>5,400.0</u>                                     | <u>400.0</u>     |                      |           |                |                |                | <u>2,500.0</u>  | <u>2,500.0</u>  |                 |  |
| Capital Levy                | <u>21,700.0</u>                                    |                  |                      |           | <u>2,100.0</u> | <u>2,100.0</u> | <u>2,500.0</u> | <u>12,500.0</u> | <u>2,500.0</u>  |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.08

**Division:** Engineering - Flood Reduction Master Plan Projects

**Climate Adaptation:** Yes

### Project Name & Description

Byersville - Clonsilla Avenue Parkway Storm Basin

### Commitments Made

The Byersville Creek Flood Reduction Master Plan was approved by Council on September 13, 2010, through Report USEC10-023.

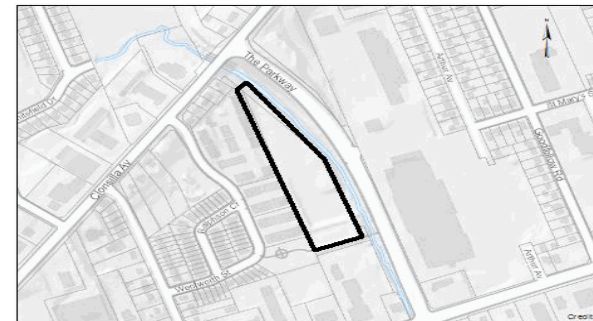
Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

### Effects on Future Operating Budgets

An increase in future operating budgets, due to an additional stormwater management facility, is anticipated.

### Project Detail, Justification & Reference Map

This project makes use of an existing City-owned land parcel along the west side of Byersville Creek between Clonsilla Avenue and Lansdowne Street West. This parcel is large enough to provide for an estimated 40,000 m3 of flow storage. From this area to the creek outlet at the Otonabee River, the topography is very flat. This large storage area is the most practical solution to assist in controlling high flows.





**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|------|----------------|----------------|------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023 | 2024           | 2025           | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |      |                |                |      |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |                |                |      |                 |                 |
| Project Description         | Byersville - Clonsilla Parkway Storm Basin         |                  |                      |           |      |                |                |      |                 |                 |
| Project #                   | 5-6.08   |                  |                      |           |      |                |                |      |                 |                 |
| Expenditures                |  |                  |                      |           |      |                |                |      |                 |                 |
| Contractual Services        |  | 3,000.0          |                      |           |      | 1,000.0        | 2,000.0        |      |                 |                 |
| Total Direct Revenue        |  | <u>3,000.0</u>   |                      |           |      | <u>1,000.0</u> | <u>2,000.0</u> |      |                 |                 |
| Net Requirements            |  | <u>3,000.0</u>   |                      |           |      | <u>1,000.0</u> | <u>2,000.0</u> |      |                 |                 |
| To Be Financed From:        |  |                  |                      |           |      |                |                |      |                 |                 |
| Reserves                    |  |                  |                      |           |      |                |                |      |                 |                 |
| FRMP - Capital Levy Reserve |  | 3,000.0          |                      |           |      | 1,000.0        | 2,000.0        |      |                 |                 |
| Total Reserves              |  | <u>3,000.0</u>   |                      |           |      | <u>1,000.0</u> | <u>2,000.0</u> |      |                 |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.09

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

South-East Jackson Watershed Improvements

### Commitments Made

The Jackson Creek Flood Reduction Master Plan was approved by Council on April 12, 2010, through Report USEC10-007.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

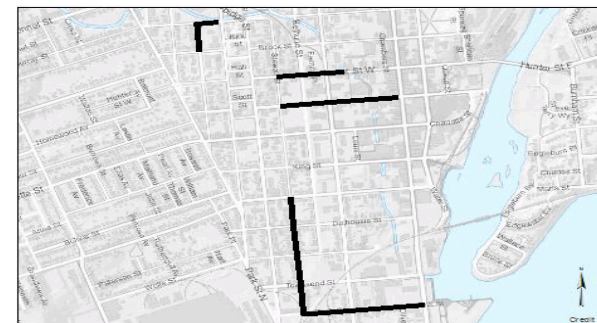
### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased sewer size and quantity, is anticipated.

### Project Detail, Justification & Reference Map

The following projects are planned beyond the ten-year capital forecast:

- Downie Street/Murray Street, 100-year pipe
- Hunter Street, 100-year pipe
- Rink Street, 100-year pipe
- Simcoe Street, 100-year pipe



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |      |      |      |      |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |      |      |      |                 |                 |
| Project Description         | South-East Jackson Watershed Upgrades              |                  |                      |           |      |      |      |      |                 |                 |
| Project #                   | 5-6.09   |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                |  |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services        |  | 76,700.0         |                      |           |      |      |      |      | 76,700.0        |                 |
| Total Direct Revenue        |  | <u>76,700.0</u>  |                      |           |      |      |      |      | <u>76,700.0</u> |                 |
| Net Requirements            |  | <u>76,700.0</u>  |                      |           |      |      |      |      | <u>76,700.0</u> |                 |
| To Be Financed From:        |  |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                    |  |                  |                      |           |      |      |      |      |                 |                 |
| FRMP - Capital Levy Reserve |  | 76,700.0         |                      |           |      |      |      |      | 76,700.0        |                 |
| Total Reserves              |  | <u>76,700.0</u>  |                      |           |      |      |      |      | <u>76,700.0</u> |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.10

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

Byersville Watershed Improvements

### Commitments Made

The Byersville Creek Flood Reduction Master Plan was approved by Council on September 13, 2010, through Report USEC10-023.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

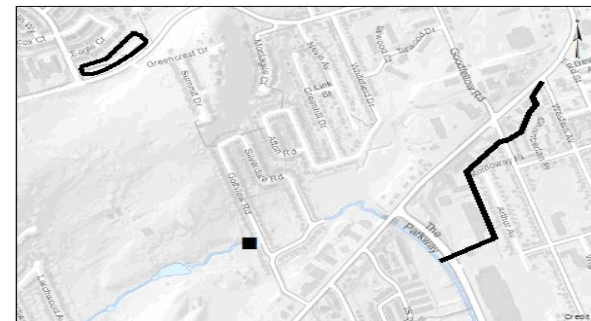
### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased infrastructure quantity, is anticipated.

### Project Detail, Justification & Reference Map

The following projects are planned beyond the ten-year capital forecast:

- Cedargrove SWMP
- Golfview Drive Inlet
- Twin Clonsilla Avenue East Branch



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |      |      |      |      |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |      |      |      |                 |                 |
| Project Description         | Byersville Watershed Improvements                  |                  |                      |           |      |      |      |      |                 |                 |
| Project #                   | 5-6.10   |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                |  |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services        |  | 40,820.0         |                      |           |      |      |      |      |                 |                 |
| Total Direct Revenue        |  | <u>40,820.0</u>  |                      |           |      |      |      |      |                 |                 |
| Net Requirements            |  | <u>40,820.0</u>  |                      |           |      |      |      |      |                 |                 |
| To Be Financed From:        |  |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                    |  |                  |                      |           |      |      |      |      |                 |                 |
| FRMP - Capital Levy Reserve |  | 40,820.0         |                      |           |      |      |      |      | 40,820.0        |                 |
| Total Reserves              |  | <u>40,820.0</u>  |                      |           |      |      |      |      | <u>40,820.0</u> |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.11

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

Brookdale Watershed Improvements

### Commitments Made

The Jackson Creek Flood Reduction Master Plan was approved by Council on April 12, 2010, through Report USEC10-007.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

Council, at its meeting of June 6, 2017 in considering Report USEC17-015, committed sufficient funds for the completion of the Brookdale Channel outlet along McDonnel Street and Donegal Street.

### Effects on Future Operating Budgets

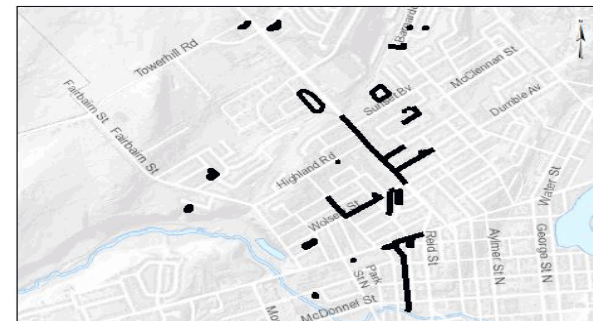
An increase in future operating budgets due to increased infrastructure quantity.

### Project Detail, Justification & Reference Map

The prior approved is required for the completion of works to Brookdale Channel upstream of McDonnel Street.

The following projects are planned in the later stages of the ten year capital forecast:

Barnardo Avenue, 100-year pipe; Bellevue Street; Bennet Street, 100 year pipe; Brookdale Crescent / Chesterfield Avenue; Chemong Road / Old Towerhill Road; Chemong Road / Towerhill Road; Chemong Road West; Donegal Street / Wolsley Street; Gilchrist Street; Greenlawn Avenue; Highland Road, regrade private property; Park Street / Dublin Street, sewer upgrade; Parkhill Road, 100-year pipe; Stormont Street / Glengarry Avenue; Sunset Boulevard, regrading



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |             | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|------|------|------|-------------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026        |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |      |      |      |             |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |      |      |             |                 |                 |
| Project Description         | Brookdale Watershed Improvements                   |                  |                      |           |      |      |      |             |                 |                 |
| Project #                   | 5-6.11   |                  |                      |           |      |      |      |             |                 |                 |
| Expenditures                |  |                  |                      |           |      |      |      |             |                 |                 |
| Contractual Services        |  | 31,537.5         | 487.5                |           |      |      |      | 30.0        | 31,020.0        |                 |
| Net Requirements            |  | <u>31,537.5</u>  | <u>487.5</u>         |           |      |      |      | <u>30.0</u> | <u>31,020.0</u> |                 |
| To Be Financed From:        |  |                  |                      |           |      |      |      |             |                 |                 |
| Reserves                    |  |                  |                      |           |      |      |      |             |                 |                 |
| FRMP - Capital Levy Reserve |  | <u>31,537.5</u>  | <u>487.5</u>         |           |      |      |      | <u>30.0</u> | <u>31,020.0</u> |                 |
| Total Reserves              |  | <u>31,537.5</u>  | <u>487.5</u>         |           |      |      |      | <u>30.0</u> | <u>31,020.0</u> |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.12

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

Meade Watershed Improvements

### Commitments Made

The Meade Creek Flood Reduction Master Plan was approved by Council on July 5, 2010, through Report USEC10-017.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

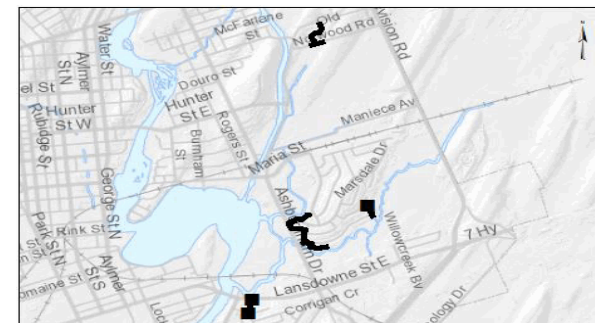
### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased infrastructure quantity, is anticipated.

### Project Detail, Justification & Reference Map

The following projects are planned beyond the ten-year capital forecast:

- Meade Creek Levee
- Glenmead Road and Farmcrest Avenue
- Naish Road Local Drainage
- SW Corner Farmcrest
- Syndenham Road, Severn Road, Rochelle Court





**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project        | Approved | Requested |      |      |      |      | 2027 to        | 2032 to |
|-----------------------------|--|----------------|----------|-----------|------|------|------|------|----------------|---------|
|                             |  | Total          | Pre-2022 | 2022      | 2023 | 2024 | 2025 | 2026 | 2031           | 2046    |
| Department                  | Infrastructure and Planning Services               |                |          |           |      |      |      |      |                |         |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                |          |           |      |      |      |      |                |         |
| Project Description         | Meade Watershed Improvements                       |                |          |           |      |      |      |      |                |         |
| Project #                   | 5-6.12   |                |          |           |      |      |      |      |                |         |
| Expenditures                |  |                |          |           |      |      |      |      |                |         |
| Contractual Services        |  | 9,390.0        |          |           |      |      |      |      | 9,390.0        |         |
| Total Direct Revenue        |  | <u>9,390.0</u> |          |           |      |      |      |      | <u>9,390.0</u> |         |
| Net Requirements            |  | <u>9,390.0</u> |          |           |      |      |      |      | <u>9,390.0</u> |         |
| To Be Financed From:        |  |                |          |           |      |      |      |      |                |         |
| Reserves                    |  |                |          |           |      |      |      |      |                |         |
| FRMP - Capital Levy Reserve |  | 9,390.0        |          |           |      |      |      |      | 9,390.0        |         |
| Total Reserves              |  | <u>9,390.0</u> |          |           |      |      |      |      | <u>9,390.0</u> |         |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.13

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

Riverview Watershed Improvements

### Commitments Made

The Riverview Creek Flood Reduction Master Plan was approved by Council on April 14, 2009, through Report USEC09-004.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

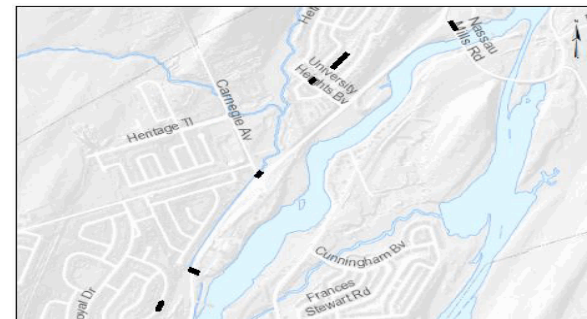
### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased infrastructure quantity, is anticipated.

### Project Detail, Justification & Reference Map

The following projects are planned beyond the ten-year capital forecast:

- Algonquin Boulevard ROW
- Carnegie Culvert at Water Street
- Lorraine Drive Outlet
- Subwatershed Culvert Nassau Mills
- Water Street Culvert Upgrade at Zoo



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |      |      |      |      |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |      |      |      |                 |                 |
| Project Description         | Riverview Watershed Improvements                   |                  |                      |           |      |      |      |      |                 |                 |
| Project #                   | 5-6.13   |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                |  |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services        |  | 9,260.0          |                      |           |      |      |      |      | 9,260.0         |                 |
| Total Direct Revenue        |  | <u>9,260.0</u>   |                      |           |      |      |      |      | <u>9,260.0</u>  |                 |
| Net Requirements            |  | <u>9,260.0</u>   |                      |           |      |      |      |      | <u>9,260.0</u>  |                 |
| To Be Financed From:        |  |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                    |  |                  |                      |           |      |      |      |      |                 |                 |
| FRMP - Capital Levy Reserve |  | 9,260.0          |                      |           |      |      |      |      | 9,260.0         |                 |
| Total Reserves              |  | <u>9,260.0</u>   |                      |           |      |      |      |      | <u>9,260.0</u>  |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.14

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

Thompson Watershed Improvements

### Commitments Made

The Thompson Creek Flood Reduction Master Plan was approved by Council on February 11, 2008, through Report USEC08-002.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

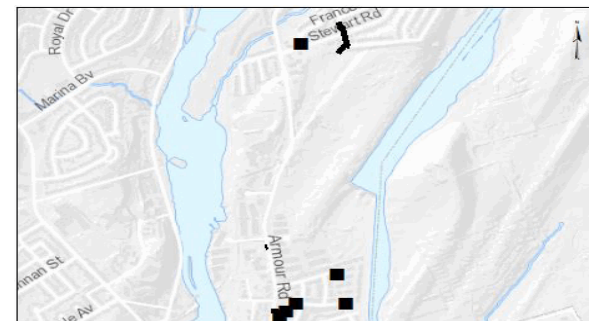
### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased infrastructure quantity, is anticipated.

### Project Detail, Justification & Reference Map

The following projects are planned beyond the ten-year capital forecast:

- Armour Road Runoff Storage
- Eldon SWM Pond
- Franmor Drive, Abbey Lane, Chapel Road Drainage
- Scollard Drive Drainage - Major System



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |      |      |      |      |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |      |      |      |                 |                 |
| Project Description         | Thompson Watershed Improvements                    |                  |                      |           |      |      |      |      |                 |                 |
| Project #                   | 5-6.14   |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                |  |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services        |  | 4,380.0          |                      |           |      |      |      |      | 4,380.0         |                 |
| Total Direct Revenue        |  | <u>4,380.0</u>   |                      |           |      |      |      |      | <u>4,380.0</u>  |                 |
| Net Requirements            |  | <u>4,380.0</u>   |                      |           |      |      |      |      | <u>4,380.0</u>  |                 |
| To Be Financed From:        |  |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                    |  |                  |                      |           |      |      |      |      |                 |                 |
| FRMP - Capital Levy Reserve |  | 4,380.0          |                      |           |      |      |      |      | 4,380.0         |                 |
| Total Reserves              |  | <u>4,380.0</u>   |                      |           |      |      |      |      | <u>4,380.0</u>  |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.15

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

South-West Jackson Watershed Improvements

### Commitments Made

The Jackson Creek Flood Reduction Master Plan was approved by Council on April 12, 2010, through Report USEC10-007.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

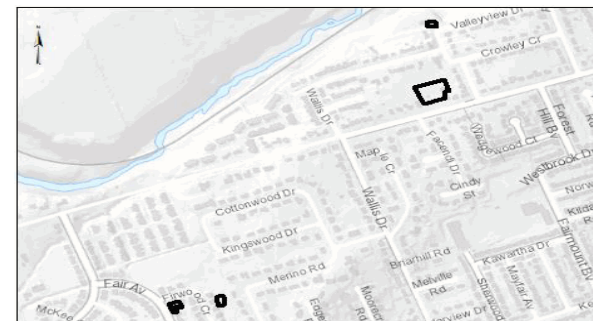
### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased infrastructure quantity, is anticipated.

### Project Detail, Justification & Reference Map

The following storm system upgrade projects are planned in the later stages of the ten-year capital forecast:

- Firwood Crescent
- Regrade on Parkhill Road
- Valleyview Drive
- Ravenwood Drive



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|-----------------------------|--|------------------|----------------------|-----------|------|------|------|--------------|-----------------|-----------------|--|
|                             |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026         |                 |                 |  |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |      |      |      |              |                 |                 |  |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |      |      |              |                 |                 |  |
| Project Description         | South-West Jackson Watershed Improvements          |                  |                      |           |      |      |      |              |                 |                 |  |
| Project #                   | 5-6.15   |                  |                      |           |      |      |      |              |                 |                 |  |
| Expenditures                |  |                  |                      |           |      |      |      |              |                 |                 |  |
| Contractual Services        |  | 490.0            |                      |           |      |      |      | 490.0        |                 |                 |  |
| Total Direct Revenue        |  | <u>490.0</u>     |                      |           |      |      |      | <u>490.0</u> |                 |                 |  |
| Net Requirements            |  | <u>490.0</u>     |                      |           |      |      |      | <u>490.0</u> |                 |                 |  |
| To Be Financed From:        |  |                  |                      |           |      |      |      |              |                 |                 |  |
| Reserves                    |  |                  |                      |           |      |      |      |              |                 |                 |  |
| FRMP - Capital Levy Reserve |  | 490.0            |                      |           |      |      |      | 490.0        |                 |                 |  |
| Total Reserves              |  | <u>490.0</u>     |                      |           |      |      |      | <u>490.0</u> |                 |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.16

**Division:** Engineering - Flood Reduction Master Plan Projects

### Project Name & Description

North-West Jackson Watershed Improvements

### Commitments Made

The Jackson Creek Flood Reduction Master Plan was approved by Council on April 12, 2010, through Report USEC10-007.

Report USEC14-006 entitled "Flood Reduction Watershed EA Capital Projects Update" adopted by Council on April 7, 2014, prioritized the watershed capital projects.

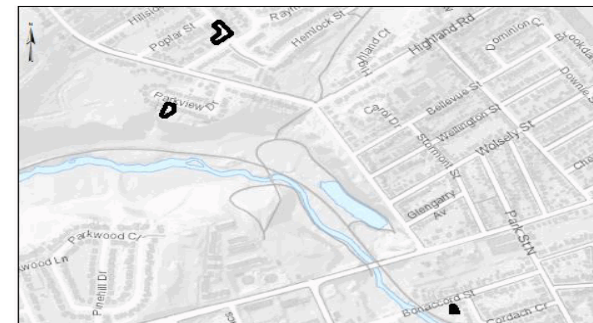
### Effects on Future Operating Budgets

An increase in future operating budgets, due to increased sewer size and quantity, is anticipated.

### Project Detail, Justification & Reference Map

The following projects are planned beyond the ten-year capital forecast:

- NW Jackson-Bonacord Street
- NW Jackson-Hemlock Street
- NW Jackson-Parkview Drive





**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                             |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|--|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                             |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services               |                  |                      |           |      |      |      |      |                 |                 |
| Division                    | Engineering - Flood Reduction Master Plan Projects |                  |                      |           |      |      |      |      |                 |                 |
| Project Description         | North-West Jackson Watershed Improvements          |                  |                      |           |      |      |      |      |                 |                 |
| Project #                   | 5-6.16   |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                |  |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services        |  | 90.0             |                      |           |      |      |      |      | 90.0            |                 |
| Total Direct Revenue        |  | <u>90.0</u>      |                      |           |      |      |      |      | <u>90.0</u>     |                 |
| Net Requirements            |  | <u>90.0</u>      |                      |           |      |      |      |      | <u>90.0</u>     |                 |
| To Be Financed From:        |  |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                    |  |                  |                      |           |      |      |      |      |                 |                 |
| FRMP - Capital Levy Reserve |  | 90.0             |                      |           |      |      |      |      | 90.0            |                 |
| Total Reserves              |  | <u>90.0</u>      |                      |           |      |      |      |      | <u>90.0</u>     |                 |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description  | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |         | 2023    |         | 2024    |         | 2025 & After |          |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|---------|---------|---------|---------|---------|--------------|----------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other   | Total   | Net     | Total   | Net     | Total        | Net      |
| Infrastructure and Planning Services<br>Flood Reduction Master Plan Projects |        |               |                   |             |     |          |          |         |     |         |         |         |         |         |              |          |
| CCTV Inspection of Pipes (A-230)   | 5-6.17 | 22,015.4      | 8,515.4           | 1,350.0     |     | 1,350.0  |          |         |     | 1,350.0 | 1,350.0 | 1,350.0 | 1,350.0 | 1,350.0 | 9,450.0      | 9,450.0  |
| Sanitary Sewer (Relining, Renew & Repair - B-210)                            | 5-6.18 | 23,678.3      | 16,178.3          | 750.0       |     | 750.0    |          |         |     | 750.0   | 2,250.0 | 2,250.0 | 1,500.0 | 1,500.0 | 3,000.0      | 3,000.0  |
| Flow & Rainfall Monitoring   | 5-6.19 | 1,630.0       | 530.0             | 110.0       |     | 110.0    |          |         |     | 110.0   | 110.0   | 110.0   | 110.0   | 110.0   | 770.0        | 770.0    |
| Flood Reduction Subsidy Program  | 5-6.20 | 1,533.0       | 783.0             | 75.0        |     | 75.0     |          |         |     | 75.0    | 75.0    | 75.0    | 75.0    | 75.0    | 525.0        | 525.0    |
| Rain Event Miscellaneous Projects  | 5-6.21 | 150.0         | 100.0             |             |     |          |          |         |     |         | 50.0    | 50.0    |         |         |              |          |
| Total  |        | 49,006.7      | 26,106.7          | 2,285.0     |     | 2,285.0  |          |         |     | 2,285.0 | 3,835.0 | 3,835.0 | 3,035.0 | 3,035.0 | 13,745.0     | 13,745.0 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-6.17**Division:** Engineering - Flood Reduction Master Plan Projects**Climate Adaptation:** Yes**Project Name & Description**

CCTV Inspection of Pipes

Inspect and evaluate storm and sanitary sewer infrastructure, identify rehabilitation and maintenance requirements based on data collected, and create a searchable repository for inspection and recommendation records.

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The sanitary sewer system is now on a six-year cycle of regular inspections and storm sewers are now being completed. Problem areas are identified during inspections. Based on these closed circuit television video (CCTV) inspections, a remedial plan to address the problem areas in the sanitary sewer system is developed and implemented. This program is integral to the City's risk mitigation strategies and ability to meet asset management regulatory requirements.

Pipeline Assessments allow the City to develop prioritized work and inspections programs, which is based on industry code and inspection standards. Investment and rehabilitation timelines can be based on condition and service strategy

Information Management efforts will allow for a streamlined approach to service delivery and reporting requirements amongst various business units. Centralized records will also support required input to Asset Management Plan and Capital Program Planning

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                |  | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------------|--|------------------|----------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
|                                |  |                  |                      | 2022           | 2023           | 2024           | 2025           | 2026           |                 |                 |
| Department                     | Infrastructure and Planning Services               |                  |                      |                |                |                |                |                |                 |                 |
| Division                       | Engineering - Flood Reduction Master Plan Projects |                  |                      |                |                |                |                |                |                 |                 |
| Project Description            | CCTV Inspection of Pipes (A-230)                   |                  |                      |                |                |                |                |                |                 |                 |
| Project #                      | 5-6.17   |                  |                      |                |                |                |                |                |                 |                 |
| Expenditures                   |  |                  |                      |                |                |                |                |                |                 |                 |
| Contractual Services           | 22,015.4   | 8,515.4          | 1,350.0              | 1,350.0        | 1,350.0        | 1,350.0        | 1,350.0        | 1,350.0        | 6,750.0         |                 |
| Total Direct Revenue           | <u>22,015.4</u>                                    | <u>8,515.4</u>   | <u>1,350.0</u>       | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>6,750.0</u>  |                 |
| Net Requirements               | <u>22,015.4</u>                                    | <u>8,515.4</u>   | <u>1,350.0</u>       | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>6,750.0</u>  |                 |
| To Be Financed From:           |  |                  |                      |                |                |                |                |                |                 |                 |
| Reserves                       |  |                  |                      |                |                |                |                |                |                 |                 |
| FRMP - Sewer Surcharge Reserve | 17,465.0   | 6,465.0          | 1,100.0              | 1,100.0        | 1,100.0        | 1,100.0        | 1,100.0        | 1,100.0        | 5,500.0         |                 |
| FRMP - Capital Levy Reserve    | 4,550.4  | 2,050.4          | 250.0                | 250.0          | 250.0          | 250.0          | 250.0          | 250.0          | 1,250.0         |                 |
| Total Reserves                 | <u>22,015.4</u>                                    | <u>8,515.4</u>   | <u>1,350.0</u>       | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>1,350.0</u> | <u>6,750.0</u>  |                 |

## 2022 - 2031 Capital Budget Justification Other Capital Assets

**Department:** Infrastructure and Planning Services**Budget Reference #:** 5-6.18**Division:** Infrastructure Planning - Flood Reduction Master Plan Projects**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Sanitary/Storm Sewer Projects (Relining, Renew and Repair - B-210)

Based on the findings of the various studies carried out from 2004 to present, sanitary sewers throughout the city require major work such as relining, repairing or replacement. This is a multi-year program.

As well, high water table areas in the city have been identified. In selected areas, it may be necessary to install a dedicated storm water pipe to move foundation water and sump pump water away from private properties and away from public sidewalks and roads, thus removing the flow from the sanitary system.

**Commitments Made****Effects on Future Operating Budgets**

As more infrastructure is installed, on-going operating budgets will increase.

**Project Detail, Justification & Reference Map**

This initiative will lead to a reduction in storm and rainwater infiltration into the sanitary sewer system. This will result in a reduction in the unnecessary treatment of storm water at the Wastewater Treatment Plant, restore some capacity into the existing sanitary sewer system to support current and future development, and reduce the frequency of sewer backups.

As CCTV inspections are completed, projects are identified that are funded from this account. Also, continued monitoring of potentially “excessively wet” areas will lead to specific projects.

The program also includes the structural relining or replacement of pipes which extends their useful life or rehabilitates degraded pipes.

This program follows the recommendations of the Flood Reduction Master Plan as detailed under Section B-210 of that Study.

The studies that lead to these projects include:

- Smoke and Dye Testing
- Sanitary/Storm System Survey
- Soils and Groundwater Investigation
- Closed Circuit Television Inspection of Sanitary Sewers
- Rainfall Data

The program will also extend the useful life of both storm and sanitary sewers.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                |   | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------------|---|------------------|----------------------|----------------|----------------|----------------|----------------|------|-----------------|-----------------|
|                                |   |                  |                      | 2022           | 2023           | 2024           | 2025           | 2026 |                 |                 |
| Department                     | Infrastructure and Planning Services                          |                  |                      |                |                |                |                |      |                 |                 |
| Division                       | Infrastructure Planning - Flood Reduction Master Plan Project |                  |                      |                |                |                |                |      |                 |                 |
| Project Description            | Sanitary Sewer (Relining, Renew & Repair - B-210)             |                  |                      |                |                |                |                |      |                 |                 |
| Project #                      | 5-6.18  |                  |                      |                |                |                |                |      |                 |                 |
| Expenditures                   |   |                  |                      |                |                |                |                |      |                 |                 |
| Contractual Services           | 23,678.3  | 16,178.3         | 750.0                | 2,250.0        | 1,500.0        | 1,500.0        | 1,500.0        |      |                 |                 |
| Total Direct Revenue           | <u>23,678.3</u>   | <u>16,178.3</u>  | <u>750.0</u>         | <u>2,250.0</u> | <u>1,500.0</u> | <u>1,500.0</u> | <u>1,500.0</u> |      |                 |                 |
| Net Requirements               | <u>23,678.3</u>   | <u>16,178.3</u>  | <u>750.0</u>         | <u>2,250.0</u> | <u>1,500.0</u> | <u>1,500.0</u> | <u>1,500.0</u> |      |                 |                 |
| To Be Financed From:           |   |                  |                      |                |                |                |                |      |                 |                 |
| Reserves                       |   |                  |                      |                |                |                |                |      |                 |                 |
| FRMP - Sewer Surcharge Reserve | 22,258.3  | 15,758.3         | 750.0                | 1,850.0        | 1,300.0        | 1,300.0        | 1,300.0        |      |                 |                 |
| FRMP - Capital Levy Reserve    | 1,420.0   | 420.0            |                      | 400.0          | 200.0          | 200.0          | 200.0          |      |                 |                 |
| Total Reserves                 | <u>23,678.3</u>   | <u>16,178.3</u>  | <u>750.0</u>         | <u>2,250.0</u> | <u>1,500.0</u> | <u>1,500.0</u> | <u>1,500.0</u> |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-6.19

**Division:** Infrastructure Planning - Flood Reduction Master Plan Projects

**Climate Adaptation:** Yes

**Project Name & Description**

Flow and Rainfall Monitoring

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The purpose of flow monitoring is to collect accurate, current information on the flow characteristics of the study area, and the associated rainfall intensity, total volume, rate, and duration. Information collected will be used for various applications including computer model calibration; development of area specific modeling parameters relative to design values; and inflow and infiltration identification and quantification.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                                |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department                     | Infrastructure and Planning Services                          |                  |                      |              |              |              |              |              |                 |                 |
| Division                       | Infrastructure Planning - Flood Reduction Master Plan Project |                  |                      |              |              |              |              |              |                 |                 |
| Project Description            | Flow & Rainfall Monitoring                                    |                  |                      |              |              |              |              |              |                 |                 |
| Project #                      | 5-6.19  |                  |                      |              |              |              |              |              |                 |                 |
| Expenditures                   |   |                  |                      |              |              |              |              |              |                 |                 |
| Contractual Services           | 1,630.0   | 530.0            | 110.0                | 110.0        | 110.0        | 110.0        | 110.0        | 110.0        | 550.0           |                 |
| Total Direct Revenue           | <u>1,630.0</u>  | <u>530.0</u>     | <u>110.0</u>         | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>550.0</u>    |                 |
| Net Requirements               | <u>1,630.0</u>  | <u>530.0</u>     | <u>110.0</u>         | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>550.0</u>    |                 |
| To Be Financed From:           |   |                  |                      |              |              |              |              |              |                 |                 |
| Reserves                       |   |                  |                      |              |              |              |              |              |                 |                 |
| FRMP - Sewer Surcharge Reserve | 1,270.0   | 370.0            | 90.0                 | 90.0         | 90.0         | 90.0         | 90.0         | 90.0         | 450.0           |                 |
| FRMP - Capital Levy Reserve    | 360.0   | 160.0            | 20.0                 | 20.0         | 20.0         | 20.0         | 20.0         | 20.0         | 100.0           |                 |
| Total Reserves                 | <u>1,630.0</u>  | <u>530.0</u>     | <u>110.0</u>         | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>110.0</u> | <u>550.0</u>    |                 |



## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Infrastructure and Planning Services**Budget Reference #:** 5-6.20**Division:** Infrastructure Planning - Flood Reduction Master Plan Projects**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Flood Reduction Subsidy Program

**Commitments Made**

Report USEC 15-006 - Amendment to Bylaw 05-104 and the Flood Prevention Subsidy Program was approved by Council to establish the current subsidy program to provide residents with extra protection against basement sewage flooding as well as reducing the amount of stormwater inflow into the sanitary sewer system.

**Effects on Future Operating Budgets**

With the removal of clean water entering the Sanitary System, treatment cost at the WWTP will be reduced.

**Project Detail, Justification & Reference Map**

The Flood Reduction Subsidy Program takes a more comprehensive approach towards reducing storm Inflow and Infiltration (I-I) into the sanitary sewer system. The program covers more than foundation drain disconnections and sump pump installations by including all the types of inappropriate I-I source connections to the sanitary system. Specifically, this program will subsidize labour and material costs for:

The installation of an approved backwater valve;

The installation of a sump pit and pump required to disconnect foundation drains; and

The remediation of any inappropriate connection that allows for discharge of stormwater (I-I) into the sanitary system.

The City will continue to identify sources of I-I. When a source is identified, the City will complete the fix on City property and will notify the property owner of the source on private property. The Flood Reduction Subsidy Program will be advertised City-wide to provide property owners an opportunity to bring a non-conforming cross connection into compliance with the amended by-law.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |             | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------------|---|------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|
|                                |   |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026        |                 |                 |
| Department                     | Infrastructure and Planning Services                          |                  |                      |             |             |             |             |             |                 |                 |
| Division                       | Infrastructure Planning - Flood Reduction Master Plan Project |                  |                      |             |             |             |             |             |                 |                 |
| Project Description            | Flood Reduction Subsidy Program                               |                  |                      |             |             |             |             |             |                 |                 |
| Project #                      | 5-6.20  |                  |                      |             |             |             |             |             |                 |                 |
| Expenditures                   |   |                  |                      |             |             |             |             |             |                 |                 |
| Contractual Services           |   | 1,533.0          | 783.0                | 75.0        | 75.0        | 75.0        | 75.0        | 75.0        | 375.0           |                 |
| Net Requirements               |   | <u>1,533.0</u>   | <u>783.0</u>         | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>375.0</u>    |                 |
| To Be Financed From:           |   |                  |                      |             |             |             |             |             |                 |                 |
| Reserves                       |   |                  |                      |             |             |             |             |             |                 |                 |
| FRMP - Sewer Surcharge Reserve |   | 1,533.0          | 783.0                | 75.0        | 75.0        | 75.0        | 75.0        | 75.0        | 375.0           |                 |
| Total Reserves                 |   | <u>1,533.0</u>   | <u>783.0</u>         | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>375.0</u>    |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-6.21**Division:** Infrastructure Planning - Flood Reduction Master Plan Projects**Climate Adaptation:** Yes**Project Name & Description**

Rain Event Miscellaneous Projects

**Commitments Made**

The Flood Reduction Master Plan Progress Report and Review of March 15, 2012 Storm Event, Report USEC12-012, on May 28, 2012 was approved.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Investigations outside the watershed EAs will continue to identify other areas that have shown a propensity to flood during moderate to heavy rain events.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                             |   | Project<br>Total | Approved<br>Pre-2022 | Requested |             |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|---|------------------|----------------------|-----------|-------------|------|------|------|-----------------|-----------------|
|                             |   |                  |                      | 2022      | 2023        | 2024 | 2025 | 2026 |                 |                 |
| Department                  | Infrastructure and Planning Services                          |                  |                      |           |             |      |      |      |                 |                 |
| Division                    | Infrastructure Planning - Flood Reduction Master Plan Project |                  |                      |           |             |      |      |      |                 |                 |
| Project Description         | Rain Event Miscellaneous Projects                             |                  |                      |           |             |      |      |      |                 |                 |
| Project #                   | 5-6.21  |                  |                      |           |             |      |      |      |                 |                 |
| Expenditures                |   |                  |                      |           |             |      |      |      |                 |                 |
| Contractual Services        |   | 150.0            | 100.0                |           | 50.0        |      |      |      |                 |                 |
| Net Requirements            |   | <u>150.0</u>     | <u>100.0</u>         |           | <u>50.0</u> |      |      |      |                 |                 |
| To Be Financed From:        |   |                  |                      |           |             |      |      |      |                 |                 |
| Reserves                    |   |                  |                      |           |             |      |      |      |                 |                 |
| FRMP - Capital Levy Reserve |   | 150.0            | 100.0                |           | 50.0        |      |      |      |                 |                 |
| Total Reserves              |   | <u>150.0</u>     | <u>100.0</u>         |           | <u>50.0</u> |      |      |      |                 |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                                       | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |       |
|---|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|-------|
|   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net   |
| Infrastructure and Planning Services<br>Geomatics/Mapping |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |       |
| ESRI Stabilization  | 5-7.01 | 1,390.6       | 1,295.6           | 95.0        |     | 95.0     | 95.0     |         |     |       |       |       |       |       |              |       |
| Vertical / Horizontal Control Monuments                   | 5-7.02 | 940.0         | 185.0             |             |     |          |          |         |     |       | 55.0  | 55.0  | 55.0  | 55.0  | 645.0        | 645.0 |
| Smart System Expansion and Artificial Intelligence        | 5-7.03 | 150.0         | 50.0              |             |     |          |          |         |     |       | 50.0  | 50.0  | 50.0  | 50.0  |              |       |
| Total   |        | 2,480.6       | 1,530.6           | 95.0        |     | 95.0     | 95.0     |         |     |       | 105.0 | 105.0 | 105.0 | 105.0 | 645.0        | 645.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-7.01**Division:** Infrastructure Planning - Geomatics/Mapping**Project Name & Description**

ESRI Stabilization Five Year Project (Year 5 of 5)

**Commitments Made**

None.

**Effects on Future Operating Budgets**

None.

**Project Detail, Justification & Reference Map**

Public Data Feedback Program

Continue the GIS Open Data Initiative and build on public self-serve web environment. Leverage our existing open data technology, work together with internal and external stakeholders to track progress, improve outcomes, and create a robust open data hub.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|-------------|------|------|------|------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022        | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Infrastructure and Planning Services        |                  |                      |             |      |      |      |      |                 |                 |  |
| Division             | Infrastructure Planning - Geomatics/Mapping |                  |                      |             |      |      |      |      |                 |                 |  |
| Project Description  | ESRI Stabilization                          |                  |                      |             |      |      |      |      |                 |                 |  |
| Project #            | 5-7.01                                      |                  |                      |             |      |      |      |      |                 |                 |  |
| Expenditures         |   |                  |                      |             |      |      |      |      |                 |                 |  |
| Contractual Services |   | 1,390.6          | 1,295.6              | 95.0        |      |      |      |      |                 |                 |  |
| Total Direct Revenue |   | <u>1,390.6</u>   | <u>1,295.6</u>       | <u>95.0</u> |      |      |      |      |                 |                 |  |
| Net Requirements     |   | <u>1,390.6</u>   | <u>1,295.6</u>       | <u>95.0</u> |      |      |      |      |                 |                 |  |
| To Be Financed From: |   |                  |                      |             |      |      |      |      |                 |                 |  |
| Reserves             |   |                  |                      |             |      |      |      |      |                 |                 |  |
| Capital Levy Reserve |   | <u>183.0</u>     | <u>183.0</u>         |             |      |      |      |      |                 |                 |  |
| Total Reserves       |   | <u>183.0</u>     | <u>183.0</u>         |             |      |      |      |      |                 |                 |  |
| Capital Levy         |   | <u>1,207.6</u>   | <u>1,112.6</u>       | <u>95.0</u> |      |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-7.02**Division:** Infrastructure Planning - Geomatics/Mapping**Climate Mitigation:** Yes**Project Name & Description**

Vertical/Horizontal Control Monuments

**Commitments Made**

None.

**Effects on Future Operating Budgets**

None.

**Project Detail, Justification & Reference Map**

Control monuments are placed as part of triangulation surveys, measurement efforts that moved systematically across the City, Province and Country, establishing the angles and distances between various points. Such surveys lay the basis for map-making in Canada and across the world. These permanent control monuments create a fixed reference frame on which surveyors can base their measurements. This allows measurements from different surveyors, and in different periods of time, to fit together.

This project will replace destroyed monuments and add new monuments that will tighten triangulation and support mapping efforts.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                     |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |       | 2027 to<br>2031 | 2032 to<br>2046 |
|-------------------------------------|--|------------------|----------------------|-----------|------|------|------|-------|-----------------|-----------------|
|                                     |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026  |                 |                 |
| Department                          | Infrastructure and Planning Services       |                  |                      |           |      |      |      |       |                 |                 |
| Division                            | Infrastrucure Planning - Geomatics/Mapping |                  |                      |           |      |      |      |       |                 |                 |
| Project Description                 | Vertical / Horizontal Control Monuments    |                  |                      |           |      |      |      |       |                 |                 |
| Project #                           | 5-7.02                                     |                  |                      |           |      |      |      |       |                 |                 |
| Expenditures                        |  |                  |                      |           |      |      |      |       |                 |                 |
| Contractual Services                | 940.0                                      | 185.0            |                      | 55.0      | 55.0 | 55.0 | 55.0 | 225.0 | 310.0           |                 |
| Total Direct Revenue                | 940.0                                      | 185.0            |                      | 55.0      | 55.0 | 55.0 | 55.0 | 225.0 | 310.0           |                 |
| Net Requirements                    | 940.0                                      | 185.0            |                      | 55.0      | 55.0 | 55.0 | 55.0 | 225.0 | 310.0           |                 |
| To Be Financed From:                |  |                  |                      |           |      |      |      |       |                 |                 |
| Reserves                            |  |                  |                      |           |      |      |      |       |                 |                 |
| Control Monuments - New Subdivision | 140.0                                      | 10.0             |                      | 10.0      | 10.0 | 10.0 | 10.0 | 40.0  | 50.0            |                 |
| Total Reserves                      | 140.0                                      | 10.0             |                      | 10.0      | 10.0 | 10.0 | 10.0 | 40.0  | 50.0            |                 |
| Capital Levy                        | 800.0                                      | 175.0            |                      | 45.0      | 45.0 | 45.0 | 45.0 | 185.0 | 260.0           |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-7.03**Division:** Infrastructure Planning - Geomatics/Mapping**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Smart System Expansion and Artificial Intelligence

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

In 2018 the City installed "smart nodes" on all LED retrofit streetlights. This technology will support various uses throughout the City. The mesh network installed across the City has already benefited the PUC in gathering information from water meters that were in inaccessible locations. This is an example of benefits that can be realized by the transmittal of information and data.

This project proposes to review other aspects of the City's workflow such as real-time creek level monitoring and alarms to notify maintenance staff of potential issues prior to becoming costly emergencies.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                     |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-------------------------------------|--|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                                     |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                          | Infrastructure and Planning Services               |                  |                      |           |      |      |      |      |                 |                 |
| Division                            | Infrastructure Planning - Geomatics/Mapping        |                  |                      |           |      |      |      |      |                 |                 |
| Project Description                 | Smart System Expansion and Artificial Intelligence |                  |                      |           |      |      |      |      |                 |                 |
| Project #                           | 5-7.03   |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                        |  |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services                | 150.0  | 50.0             |                      |           |      |      |      |      |                 |                 |
|                                     |  |                  |                      |           |      |      |      |      |                 |                 |
| Total Direct Revenue                | 150.0  | 50.0             |                      | 50.0      | 50.0 |      |      |      |                 |                 |
|                                     |  |                  |                      |           |      |      |      |      |                 |                 |
| Net Requirements                    | 150.0  | 50.0             |                      | 50.0      | 50.0 |      |      |      |                 |                 |
|                                     |  |                  |                      |           |      |      |      |      |                 |                 |
| To Be Financed From:                |  |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                            |  |                  |                      |           |      |      |      |      |                 |                 |
| Decorative Streetlighting Enhanceme | 50.0   |                  |                      | 25.0      | 25.0 |      |      |      |                 |                 |
| Waste Management Reserve            | 25.0   | 25.0             |                      |           |      |      |      |      |                 |                 |
| Total Reserves                      | 75.0   | 25.0             |                      | 25.0      | 25.0 |      |      |      |                 |                 |
|                                     |  |                  |                      |           |      |      |      |      |                 |                 |
| Capital Levy                        | 75.0   | 25.0             |                      | 25.0      | 25.0 |      |      |      |                 |                 |
|                                     |  |                  |                      |           |      |      |      |      |                 |                 |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                                       | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |       |
|---|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|-------|
|   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net   |
| Infrastructure and Planning Services<br>Geomatics/Mapping |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |       |
| Corporate GIS Development Tool                            | 5-7.04 | 1,390.6       | 810.6             | 165.0       |     | 165.0    | 165.0    |         |     |       | 100.0 | 100.0 | 215.0 | 215.0 | 100.0        | 100.0 |
| GIS Strategic Plan (2022-2026)                            | 5-7.05 | 1,176.5       |                   |             |     |          |          |         |     |       | 333.7 | 333.7 | 347.5 | 347.5 | 495.3        | 495.3 |
| Total   |        | 2,567.1       | 810.6             | 165.0       |     | 165.0    | 165.0    |         |     |       | 433.7 | 433.7 | 562.5 | 562.5 | 595.3        | 595.3 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-7.04**Division:** Infrastructure Planning - Geomatics/Mapping**Climate Mitigation:** Yes**Project Name & Description**

Corporate GIS Development Tool

**Commitments Made**

None.

**Effects on Future Operating Budgets**

None.

**Project Detail, Justification & Reference Map**

Advisory services will be contracted, where necessary, to help guide GIS service development and delivery, enabling advantages of location based functionalities and simplifying service development and delivery. \$50,000

Orthophotography is the creation of digital air photos that are compatible with the City's GIS. Orthophotography is an invaluable tool that many departments rely on to visualize what actually exists on the ground. New orthophotography should be completed on a two-year cycle. The funding required is \$50,000 for leaf-on and leaf-off coverage.

Lidar (light detection and ranging) is an optical remote-sensing technique that uses laser light to densely sample the surface of the earth, producing highly accurate x,y,z measurements. Lidar will provide accurate elevations (heights) of buildings and forestry canopy. This information is valuable for site plan approval, urban design, secondary plans, zoning approvals and management of the Urban Forest. The funding required is \$65,000.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                          |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |      | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------|--|------------------|----------------------|--------------|--------------|--------------|--------------|------|-----------------|-----------------|
|                          |  |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026 |                 |                 |
| Department               | Infrastructure and Planning Services       |                  |                      |              |              |              |              |      |                 |                 |
| Division                 | Infrastrucure Planning - Geomatics/Mapping |                  |                      |              |              |              |              |      |                 |                 |
| Project Description      | Corporate GIS Development Tool             |                  |                      |              |              |              |              |      |                 |                 |
| Project #                | 5-7.04                                     |                  |                      |              |              |              |              |      |                 |                 |
| Expenditures             |  |                  |                      |              |              |              |              |      |                 |                 |
| Tsfr to Ops from Capital |  | 64.3             | 64.3                 |              |              |              |              |      |                 |                 |
| Contractual Services     |  | 1,326.4          | 746.4                | 165.0        | 100.0        | 215.0        | 100.0        |      |                 |                 |
| Net Requirements         |  | <u>1,390.6</u>   | <u>810.6</u>         | <u>165.0</u> | <u>100.0</u> | <u>215.0</u> | <u>100.0</u> |      |                 |                 |
| To Be Financed From:     |  |                  |                      |              |              |              |              |      |                 |                 |
| Capital Levy             |  | <u>1,390.6</u>   | <u>810.6</u>         | <u>165.0</u> | <u>100.0</u> | <u>215.0</u> | <u>100.0</u> |      |                 |                 |

## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-7.05

**Division:** Infrastructure Planning - Geomatics/Mapping

**Climate Mitigation:** Yes

**Climate Adaptation:** Yes

#### Project Name & Description

GIS Strategic Plan - 5 Year Project (Year 1 of 5)

Geographic Information Systems (GIS) can improve departmental efficiency by providing timesaving and service enhancing custom web GIS applications for use by staff at all levels.

The GIS Strategic Plan details how the City of Peterborough can take steps toward utilizing GIS to improve decision making and City operations. Adhering to the plan, following best business practices, and ensuring the transfer of GIS knowledge, will set itself up for a successful Geographic Information System that supports City goals and objectives for many years to come.

#### Commitments Made

None.

#### Effects on Future Operating Budgets

Improve decision making and City operations.  
Supports City goals and objectives for many years to come.

#### Project Detail, Justification & Reference Map

Data and Databases – Update enterprise GIS layers (Property related layers), Conduct digital data assessment of existing layers, create needed departmental GIS layers, document and maintain data and database standard operating procedures. \$157,000

GIS Software – Build Internal ArcGIS Web Apps, Configure Dashboards, Build Public ArcGIS Web Apps, Create Story Maps, Deploy Mobile GIS Apps \$123,700

Procedures, workflow and Integration (Interoperability) – Assess and Implement Integrations and Interoperability \$53,000

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department           | Infrastructure and Planning Services        |                  |                      |           |              |              |              |              |                 |                 |
| Division             | Infrastructure Planning - Geomatics/Mapping |                  |                      |           |              |              |              |              |                 |                 |
| Project Description  | GIS Strategic Plan (2022-2026)              |                  |                      |           |              |              |              |              |                 |                 |
| Project #            | 5-7.05                                      |                  |                      |           |              |              |              |              |                 |                 |
| Expenditures         |   |                  |                      |           |              |              |              |              |                 |                 |
| Contractual Services |   | 1,176.5          |                      |           | 333.7        | 347.5        | 266.6        | 138.7        | 90.0            |                 |
| Total Direct Revenue |   | <u>1,176.5</u>   |                      |           | <u>333.7</u> | <u>347.5</u> | <u>266.6</u> | <u>138.7</u> | <u>90.0</u>     |                 |
| Net Requirements     |   | <u>1,176.5</u>   |                      |           | <u>333.7</u> | <u>347.5</u> | <u>266.6</u> | <u>138.7</u> | <u>90.0</u>     |                 |
| To Be Financed From: |   |                  |                      |           |              |              |              |              |                 |                 |
| Capital Levy         |   | <u>1,176.5</u>   |                      |           | <u>333.7</u> | <u>347.5</u> | <u>266.6</u> | <u>138.7</u> | <u>90.0</u>     |                 |



# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description   | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |      | 2024  |      | 2025 & After |       |
|---|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|------|-------|------|--------------|-------|
|   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net  | Total | Net  | Total        | Net   |
| Infrastructure and Planning Services<br>Infrastructure Management |        |               |                   |             |     |          |          |         |     |       |       |      |       |      |              |       |
| Sustainability Projects   | 5-8.01 | 570.0         | 50.0              | 65.0        |     | 65.0     |          |         |     | 65.0  | 65.0  | 65.0 | 65.0  | 65.0 | 325.0        | 325.0 |
| Total   |        | 570.0         | 50.0              | 65.0        |     | 65.0     |          |         |     | 65.0  | 65.0  | 65.0 | 65.0  | 65.0 | 325.0        | 325.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-8.01**Division:** Infrastructure Planning - Infrastructure Management**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description****Sustainability Projects**

This capital project will be used as start up funding, enhanced funding, or to secure external funds to initiate sustainability projects that are not already included in other divisional projects.

**Commitments Made****Effects on Future Operating Budgets**

Although sustainable projects may require greater initial investment based on the life cycle analysis, the payback period and associated reduction in operating costs will offset their initial investment. External funding is often sought and required to secure full funding for capital projects. Working towards greater sustainability will reduce annual operating and maintenance costs.

**Project Detail, Justification & Reference Map**

The annual outcome reporting tool for the Federal Gas Tax requires that each municipality demonstrate their commitment to sustainability through the creation and implementation of a Sustainability Plan.

This capital budget will provide start up funding to leverage external grants needed to implement corporate sustainability projects (energy conservation, water conservation, implement/pilot green technology, sustainable infrastructure).

A Sustainability Reserve Fund has been created using rebates, incentives and revenue from the Kinsmen Rooftop Solar Project. The Reserve is used to leverage future sustainability projects.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                    |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |             | 2027 to<br>2031 | 2032 to<br>2046 |  |
|------------------------------------|---|------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|--|
|                                    |   |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026        |                 |                 |  |
| Department                         | Infrastructure and Planning Services                |                  |                      |             |             |             |             |             |                 |                 |  |
| Division                           | Infrastructure Planning - Infrastructure Management |                  |                      |             |             |             |             |             |                 |                 |  |
| Project Description                | Sustainability Projects                             |                  |                      |             |             |             |             |             |                 |                 |  |
| Project #                          | 5-8.01  |                  |                      |             |             |             |             |             |                 |                 |  |
| Expenditures                       |   |                  |                      |             |             |             |             |             |                 |                 |  |
| Contractual Services               |   | 570.0            | 50.0                 | 65.0        | 65.0        | 65.0        | 65.0        | 65.0        | 195.0           |                 |  |
| Total Direct Revenue               |   | <u>570.0</u>     | <u>50.0</u>          | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>195.0</u>    |                 |  |
| Net Requirements                   |   | <u>570.0</u>     | <u>50.0</u>          | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>195.0</u>    |                 |  |
| To Be Financed From:               |   |                  |                      |             |             |             |             |             |                 |                 |  |
| Reserves                           |   |                  |                      |             |             |             |             |             |                 |                 |  |
| Climate Change action plan reserve |   | 570.0            | 50.0                 | 65.0        | 65.0        | 65.0        | 65.0        | 65.0        | 195.0           |                 |  |
| Total Reserves                     |   | <u>570.0</u>     | <u>50.0</u>          | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>65.0</u> | <u>195.0</u>    |                 |  |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                     | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023    |         | 2024    |         | 2025 & After |         |
|---|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|---------|---------|---------|---------|--------------|---------|
|   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total   | Net     | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services    |        |               |                   |             |     |          |          |         |     |       |         |         |         |         |              |         |
| Infrastructure Management               |        |               |                   |             |     |          |          |         |     |       |         |         |         |         |              |         |
| Emerald Ash Borer (EAB) Management Plan | 5-8.02 | 3,998.9       | 2,948.9           | 600.0       |     | 600.0    | 600.0    |         |     |       | 350.0   | 350.0   | 50.0    | 50.0    | 50.0         | 50.0    |
| Climate Change Action Plan              | 5-8.03 | 2,230.5       | 425.5             | 205.0       |     | 205.0    |          |         |     | 205.0 | 200.0   | 200.0   | 200.0   | 200.0   | 1,200.0      | 1,200.0 |
| Tree Removal By-law Planting Program    | 5-8.04 | 7,650.0       |                   | 200.0       |     | 200.0    | 200.0    |         |     |       | 1,050.0 | 1,050.0 | 800.0   | 800.0   | 5,600.0      | 5,600.0 |
| Nature Area Management                  | 5-8.05 | 1,000.0       |                   | 100.0       |     | 100.0    | 100.0    |         |     |       | 100.0   | 100.0   | 100.0   | 100.0   | 700.0        | 700.0   |
| Byersville Creek Floodplain Mapping     | 5-8.06 | 200.0         |                   | 20.0        |     | 20.0     | 20.0     |         |     |       | 180.0   | 180.0   |         |         |              |         |
| Fleming Creek Floodplain Mapping        | 5-8.07 | 75.0          |                   | 7.5         |     | 7.5      | 7.5      |         |     |       | 67.5    | 67.5    |         |         |              |         |
| Asset Management Project                | 5-8.08 | 875.0         | 675.0             |             |     |          |          |         |     |       | 200.0   | 200.0   |         |         |              |         |
| Total                                   |        | 16,029.4      | 4,049.4           | 1,132.5     |     | 1,132.5  | 927.5    |         |     | 205.0 | 2,147.5 | 2,147.5 | 1,150.0 | 1,150.0 | 7,550.0      | 7,550.0 |

## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-8.02

**Division:** Infrastructure Planning - Infrastructure Management

**Climate Mitigation:** Yes

**Climate Adaptation:** Yes

#### Project Name & Description

Emerald Ash Borer (EAB) Management Plan

#### Commitments Made

Council, at its meeting of April 8, 2013 in considering Report USDIR13 - 004, directed staff to initiate the EAB Management Plan.

Council, at its meeting of April 30, 2018 in considering Report USDIR18 - 005, adopted the revised Emerald Ash Borer Management Plan.

#### Effects on Future Operating Budgets

Staffing requirements are included in the operating budget with recoveries from this capital budget.

#### Project Detail, Justification & Reference Map

The EAB Management Plan continues to evolve as the Emerald Ash Borer progresses across the City. The April 30, 2018 update of the plan provided for an extension of the plan to 2025. The EAB is now confirmed to be widespread throughout the city. Removal of dead or dying Ash trees will now be required in larger numbers in future years to avoid any potential risks. 2020/2021 is projected to be the peak of the EAB infestation and the biannual treatment cycle will likely require to be doubled up to protect past investments as previously projected.

Much progress has been made since the first plan was adopted in 2013. Tree inventories have been collected and insect traps have been deployed across the city. A communications/outreach program was initiated with increased stakeholder involvement. Using this method, approximately 72,000 private and public Ash trees were identified throughout the city.

Treatment of approximately 1,500 significant Ash trees continues and the removal of dead Ash trees is now becoming more prevalent. When the dead Ash trees are big enough, a large proportion of the wood is reclaimed by saw milling and offering the lumber for sale to the public.

Work continues alongside other urban forest professionals and government agencies to review and apply the best science and strategic management practices to limit the visual and financial impact of EAB and preserve the benefits of the urban forest.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                       |   | Project<br>Total | Approved<br>Pre-2022 | Requested |       |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------------------|---|------------------|----------------------|-----------|-------|------|------|------|-----------------|-----------------|
|                                       |   |                  |                      | 2022      | 2023  | 2024 | 2025 | 2026 |                 |                 |
| Department                            | Infrastructure and Planning Services                |                  |                      |           |       |      |      |      |                 |                 |
| Division                              | Infrastructure Planning - Infrastructure Management |                  |                      |           |       |      |      |      |                 |                 |
| Project Description                   | Emerald Ash Borer (EAB) Management Plan             |                  |                      |           |       |      |      |      |                 |                 |
| Project #                             | 5-8.02  |                  |                      |           |       |      |      |      |                 |                 |
| Expenditures                          |   |                  |                      |           |       |      |      |      |                 |                 |
| Contractual Services                  |   | 3,998.9          | 2,948.9              | 600.0     | 350.0 | 50.0 | 50.0 |      |                 |                 |
|                                       |   |                  |                      |           |       |      |      |      |                 |                 |
| Direct Revenue                        |   |                  |                      |           |       |      |      |      |                 |                 |
| Contribution from related project     |   | 126.8            | 126.8                |           |       |      |      |      |                 |                 |
| Total Direct Revenue                  |   | 126.8            | 126.8                |           |       |      |      |      |                 |                 |
| Net Requirements                      |   | 3,872.1          | 2,822.1              | 600.0     | 350.0 | 50.0 | 50.0 |      |                 |                 |
| To Be Financed From:                  |   |                  |                      |           |       |      |      |      |                 |                 |
| Reserves                              |   |                  |                      |           |       |      |      |      |                 |                 |
| Tsf from - Trees                      |   | 23.4             | 23.4                 |           |       |      |      |      |                 |                 |
| Infrastructure Planning Services Capi |   | 58.9             | 58.9                 |           |       |      |      |      |                 |                 |
| Total Reserves                        |   | 82.3             | 82.3                 |           |       |      |      |      |                 |                 |
| Capital Levy                          |   | 3,789.8          | 2,739.8              | 600.0     | 350.0 | 50.0 | 50.0 |      |                 |                 |

## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-8.03

**Division:** Infrastructure Planning - Infrastructure Management

**Climate Mitigation:** Yes

**Climate Adaptation:** Yes

#### Project Name & Description

Climate Change Action Plan

This capital project will be used to implement projects, enhance and leverage external funding for climate change projects, and fund the Climate Change Action Plan implementation.

#### Commitments Made

Council adopted the Greater Peterborough Area Climate Change Action Plan in December 2016 and with a goal of reducing both Corporate and Community greenhouse gases (GHG), by 30%, by 2031. Council passed a motion in January 2019 that directed staff to provide an update on short-term feasible actions, associated costs/funding opportunities and plans for embedding sustainability into daily operation and asset planning. In September 2019, Council passed a motion declaring a climate emergency within the City. The motion directs staff to work with the Peterborough Environmental Advisory Committee to review opportunities and implications of accelerating existing actions, raise the target for GHG emission reduction from 30% to 45% by 2030.

#### Project Detail, Justification & Reference Map

The annual capital budget allocation has been established as project start up funding, used to leverage external grants and associated contributions for local projects. External funding will continue to be sought to fund community and local projects: examples include supporting a Green Economy Peterborough Hub to support local businesses in implementing GHG reduction plans, exploring the potential to expand solar Photo Voltaic (PV) use in the community), improving data collection, measurement and reporting methodologies

#### Effects on Future Operating Budgets

Although greenhouse gas reduction initiatives may require greater investment, the associated mitigation and adaptation actions will enable the City to become more resilient and able to cope with our changing climate and extreme weather events.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                    |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|------------------------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                                    |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department                         | Infrastructure and Planning Services                |                  |                      |              |              |              |              |              |                 |                 |
| Division                           | Infrastructure Planning - Infrastructure Management |                  |                      |              |              |              |              |              |                 |                 |
| Project Description                | Climate Change Action Plan                          |                  |                      |              |              |              |              |              |                 |                 |
| Project #                          | 5-8.03  |                  |                      |              |              |              |              |              |                 |                 |
| Expenditures                       |   |                  |                      |              |              |              |              |              |                 |                 |
| Contractual Services               |   | 2,230.5          | 425.5                | 205.0        | 200.0        | 200.0        | 200.0        | 200.0        | 800.0           |                 |
| Total Direct Revenue               |   | <u>2,230.5</u>   | <u>425.5</u>         | <u>205.0</u> | <u>200.0</u> | <u>200.0</u> | <u>200.0</u> | <u>200.0</u> | <u>800.0</u>    |                 |
| Direct Revenue                     |   |                  |                      |              |              |              |              |              |                 |                 |
| Federal Grant                      |   | 175.0            | 175.0                |              |              |              |              |              |                 |                 |
| Contribution from related project  |   | 100.5            | 100.5                |              |              |              |              |              |                 |                 |
| Total Direct Revenue               |   | <u>275.5</u>     | <u>275.5</u>         |              |              |              |              |              |                 |                 |
| Net Requirements                   |   | <u>1,955.0</u>   | <u>150.0</u>         | <u>205.0</u> | <u>200.0</u> | <u>200.0</u> | <u>200.0</u> | <u>200.0</u> | <u>800.0</u>    |                 |
| To Be Financed From:               |   |                  |                      |              |              |              |              |              |                 |                 |
| Reserves                           |   |                  |                      |              |              |              |              |              |                 |                 |
| Climate Change action plan reserve |   | 1,955.0          | 150.0                | 205.0        | 200.0        | 200.0        | 200.0        | 200.0        | 800.0           |                 |
| Total Reserves                     |   | <u>1,955.0</u>   | <u>150.0</u>         | <u>205.0</u> | <u>200.0</u> | <u>200.0</u> | <u>200.0</u> | <u>200.0</u> | <u>800.0</u>    |                 |



**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-8.04**Division:** Infrastructure Planning - Infrastructure Management**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Tree-Removal By-Law Planting Program

**Commitments Made**

Council in considering IPSIM21-008, approved creating capital budget for City's contribution, of 2 new trees for each healthy private tree removal. The allocation will be reviewed through the annual Budget Process

**Effects on Future Operating Budgets**

Additional City owned Tree assets will require ongoing maintenance.

**Project Detail, Justification & Reference Map**

The By-law is intended to protect and enhance the Urban Forest Canopy in the City of Peterborough, as per the requirements of Subsection 270 (1, clause 7) of the Municipal Act, 2001 and to facilitate the target of achieving a 35% urban forest canopy cover by 2041 as identified in the draft Official Plan.

The project is intended to implement a shared responsibility between property owners and the City for the replacement of healthy tree which are removed on private property.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |                |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--|------------------|----------------------|--------------|----------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |  |                  |                      | 2022         | 2023           | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Infrastructure and Planning Services               |                  |                      |              |                |              |              |              |                 |                 |  |
| Division             | Infrastrucure Planning - Infrastructure Management |                  |                      |              |                |              |              |              |                 |                 |  |
| Project Description  | Tree Removal By-law Planting Program               |                  |                      |              |                |              |              |              |                 |                 |  |
| Project #            | 5-8.04   |                  |                      |              |                |              |              |              |                 |                 |  |
| Expenditures         |  |                  |                      |              |                |              |              |              |                 |                 |  |
| Contractual Services | 7,650.0  |                  |                      | 200.0        | 1,050.0        | 800.0        | 800.0        | 800.0        | 4,000.0         |                 |  |
| Total Direct Revenue | <u>7,650.0</u>                                     |                  |                      | <u>200.0</u> | <u>1,050.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>4,000.0</u>  |                 |  |
| Net Requirements     | <u>7,650.0</u>                                     |                  |                      | <u>200.0</u> | <u>1,050.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>4,000.0</u>  |                 |  |
| To Be Financed From: |  |                  |                      |              |                |              |              |              |                 |                 |  |
| Capital Levy         | <u>7,650.0</u>                                     |                  |                      | <u>200.0</u> | <u>1,050.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>4,000.0</u>  |                 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-8.05

**Division:** Infrastructure Planning - Infrastructure Management

**Climate Mitigation:** Yes

**Climate Adaptation:** Yes

**Project Name & Description**

Nature Area Management

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

Large natural park areas exist in the City that are not formalized park areas (i.e., Harper Park, parts of Jackson Park). These areas require ongoing assessment and maintenance activities that are not typical of standard park maintenance activities and are better suited to different management strategies. These plans may require coordination with Otonabee Conservation, First Nation partners and other community groups.

This funding will support defining public Nature Areas in the City and to develop and implement management plans as appropriate.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                      |  |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department           | Infrastructure and Planning Services               |                  |                      |              |              |              |              |              |                 |                 |
| Division             | Infrastrucure Planning - Infrastructure Management |                  |                      |              |              |              |              |              |                 |                 |
| Project Description  | Nature Area Management                             |                  |                      |              |              |              |              |              |                 |                 |
| Project #            | 5-8.05   |                  |                      |              |              |              |              |              |                 |                 |
| Expenditures         |  |                  |                      |              |              |              |              |              |                 |                 |
| Contractual Services |  | 1,000.0          |                      | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        | 500.0           |                 |
| Net Requirements     |  | <u>1,000.0</u>   |                      | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>500.0</u>    |                 |
| To Be Financed From: |  |                  |                      |              |              |              |              |              |                 |                 |
| Capital Levy         |  | <u>1,000.0</u>   |                      | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>500.0</u>    |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-8.06

**Division:** Infrastructure Planning - Infrastructure Management

**Climate Adaptation:** Yes

**Project Name & Description**

Byersville Creek Floodplain Mapping

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The floodplain associated with Byersville Creek through the city was last mapped in 1991. To confidently plan additional development in this subwatershed the floodplain mapping requires an update.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-------------|--------------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022        | 2023         | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services                |                  |                      |             |              |      |      |      |                 |                 |
| Division             | Infrastructure Planning - Infrastructure Management |                  |                      |             |              |      |      |      |                 |                 |
| Project Description  | Byersville Creek Floodplain Mapping                 |                  |                      |             |              |      |      |      |                 |                 |
| Project #            | 5-8.06  |                  |                      |             |              |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |             |              |      |      |      |                 |                 |
| Contractual Services | 200.0   |                  |                      | 20.0        | 180.0        |      |      |      |                 |                 |
| Net Requirements     | <u>200.0</u>  |                  |                      | <u>20.0</u> | <u>180.0</u> |      |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |             |              |      |      |      |                 |                 |
| Capital Levy         | <u>200.0</u>  |                  |                      | <u>20.0</u> | <u>180.0</u> |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-8.07

**Division:** Infrastructure Planning - Infrastructure Management

**Climate Adaptation:** Yes

**Project Name & Description**

Fleming Creek Floodplain Mapping

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The floodplain associated with Fleming Creek has not been comprehensively mapped. To confidently plan additional development in this subwatershed, the floodplain mapping requires an update.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested  |             |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|------------|-------------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022       | 2023        | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services                |                  |                      |            |             |      |      |      |                 |                 |
| Division             | Infrastructure Planning - Infrastructure Management |                  |                      |            |             |      |      |      |                 |                 |
| Project Description  | Fleming Creek Floodplain Mapping                    |                  |                      |            |             |      |      |      |                 |                 |
| Project #            | 5-8.07  |                  |                      |            |             |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |            |             |      |      |      |                 |                 |
| Contractual Services |   | 75.0             |                      | 7.5        | 67.5        |      |      |      |                 |                 |
| Net Requirements     |   | <u>75.0</u>      |                      | <u>7.5</u> | <u>67.5</u> |      |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |            |             |      |      |      |                 |                 |
| Capital Levy         |   | <u>75.0</u>      |                      | <u>7.5</u> | <u>67.5</u> |      |      |      |                 |                 |



## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-8.08

**Division:** Infrastructure Planning - Infrastructure Management

**Climate Mitigation:** Yes

**Climate Adaptation:** Yes

#### Project Name & Description

Asset Management Project

#### Commitments Made

On March 14, 2016, Council approved Report USEC 16-007 adopting the City's Asset Management Maturity Assessment and Roadmap and approved USEC16-021 adopting the Asset Management Policy.

On March 26, 2018, Council approved USEC18 - 004 the Updated Asset Management Policy and Asset Management Procedure.

#### Effects on Future Operating Budgets

A full Asset Management program will result in ongoing costs to develop and maintain the Asset Management System and associated data.

#### Project Detail, Justification & Reference Map

The project involves the implementation of a program and systems to assist asset stewards in managing City assets. This program and system will assist in capital budget preparation, establishing priorities and determining when capital assets should be replaced versus maintained.

The Province's Ten-Year Infrastructure Plan makes it clear that municipalities will be required to develop and file an asset management plan to support future funding applications.

Proposed budget requests will focus on communication plans for Asset Management and organizational alignments of capital projects.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                       |   | Project | Approved | Requested |       |      |      |      | 2027 to | 2032 to |  |
|---------------------------------------|---|---------|----------|-----------|-------|------|------|------|---------|---------|--|
|                                       |   | Total   | Pre-2022 | 2022      | 2023  | 2024 | 2025 | 2026 | 2031    | 2046    |  |
| Department                            | Infrastructure and Planning Services                |         |          |           |       |      |      |      |         |         |  |
| Division                              | Infrastructure Planning - Infrastructure Management |         |          |           |       |      |      |      |         |         |  |
| Project Description                   | Asset Management Project                            |         |          |           |       |      |      |      |         |         |  |
| Project #                             | 5-8.08  |         |          |           |       |      |      |      |         |         |  |
| Expenditures                          |   |         |          |           |       |      |      |      |         |         |  |
| Contractual Services                  |   | 875.0   | 675.0    |           | 200.0 |      |      |      |         |         |  |
|                                       |   |         |          |           |       |      |      |      |         |         |  |
| Net Requirements                      |   | 875.0   | 675.0    |           | 200.0 |      |      |      |         |         |  |
| To Be Financed From:                  |   |         |          |           |       |      |      |      |         |         |  |
| Reserves                              |   |         |          |           |       |      |      |      |         |         |  |
| Infrastructure Planning Services Capi |   | 40.2    | 40.2     |           |       |      |      |      |         |         |  |
| Waste Water Reserve                   |   | 519.3   | 419.3    |           | 100.0 |      |      |      |         |         |  |
| Total Reserves                        |   | 559.5   | 459.5    |           | 100.0 |      |      |      |         |         |  |
| Capital Levy                          |   | 315.5   | 215.5    |           | 100.0 |      |      |      |         |         |  |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description  | Ref    | Project Total | Approved Pre-2022 | 2022        |       |          |          |         |         |         | 2023    |         | 2024    |         | 2025 & After |          |         |
|--|--------|---------------|-------------------|-------------|-------|----------|----------|---------|---------|---------|---------|---------|---------|---------|--------------|----------|---------|
|  |        |               |                   | Total Costs | Rev   | Net Cost | Cap Levy | Dev Chg | Deb     | Other   | Total   | Net     | Total   | Net     | Total        | Net      |         |
| Infrastructure and Planning Services                         |        |               |                   |             |       |          |          |         |         |         |         |         |         |         |              |          |         |
| Arterial Streets   |        |               |                   |             |       |          |          |         |         |         |         |         |         |         |              |          |         |
| Parkhill Rd Reconstruction - George St to Rubidge St         | 5-9.01 | 3,100.0       |                   | 1,550.0     | 900.0 | 650.0    |          |         | 5.6     | 644.4   | 1,550.0 | 650.0   |         |         |              |          |         |
| Lansdowne St Rehabilitation - Park St to Otonabee River      | 5-9.02 | 7,850.0       | 850.0             | 1,200.0     |       | 1,200.0  |          |         |         | 1,200.0 | 2,800.0 | 2,800.0 | 3,000.0 | 3,000.0 |              |          |         |
| Lansdowne West - Spillsbury to Clonsilla                     | 5-9.03 | 7,000.0       | 800.0             | 1,200.0     |       | 1,200.0  |          |         | 1,200.0 |         | 5,000.0 | 5,000.0 |         |         |              |          |         |
| Chemong Road to Sunset Blvd                                  | 5-9.04 | 37,757.8      | 8,957.8           | 1,000.0     |       | 1,000.0  |          |         | 1,000.0 |         | 7,800.0 | 7,800.0 | 7,000.0 | 7,000.0 | 13,000.0     | 13,000.0 |         |
| Lily Lake Area Development Network Improvements              | 5-9.05 | 3,362.5       | 112.5             | 250.0       |       | 250.0    |          |         | 250.0   |         | 3,000.0 | 3,000.0 |         |         |              |          |         |
| Future High Use Arterial Road                                | 5-9.06 | 76,571.0      | 3,339.0           |             |       |          |          |         |         |         | 4,759.0 | 4,759.0 | 1,768.0 | 1,768.0 | 66,705.0     | 66,705.0 |         |
| Television Road Signals - Burnham Meadows                    | 5-9.07 | 760.0         | 70.0              |             |       |          |          |         |         |         | 690.0   | 600.0   |         |         |              |          |         |
| Armour Rd - Nassau Mills Road South to Rotary Trail          | 5-9.08 | 21,900.0      | 900.0             |             |       |          |          |         |         |         | 500.0   | 500.0   | 1,000.0 | 1,000.0 | 19,500.0     | 17,000.0 |         |
| University Rd - Upgrade Arterial                             | 5-9.09 | 8,600.0       |                   |             |       |          |          |         |         |         | 300.0   | 126.0   | 8,300.0 | 3,486.0 |              |          |         |
| Carnegie Planning Area - E/W Arterial                        | 5-9.10 | 7,500.0       |                   |             |       |          |          |         |         |         |         |         | 7,500.0 | 2,500.0 |              |          |         |
| Water St North Urbanization - Nassau Mills Rd to Woodland Dr | 5-9.11 | 9,550.0       | 2,950.0           |             |       |          |          |         |         |         |         |         | 3,600.0 | 3,600.0 | 3,000.0      | 3,000.0  |         |
| Carnegie Planning Area N/S Arterial                          | 5-9.12 | 2,871.0       |                   |             |       |          |          |         |         |         |         |         | 2,871.0 | 947.4   |              |          |         |
| Maria St - Walker Ave to Television Rd                       | 5-9.13 | 8,250.0       |                   |             |       |          | 217      |         |         |         |         |         |         | 750.0   | 750.0        | 7,500.0  | 7,500.0 |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                                | Ref    | Project Total    | Approved Pre-2022 | 2022           |              |                |          |         |                |                | 2023            |                 | 2024            |                 | 2025 & After     |                  |
|--|--------|------------------|-------------------|----------------|--------------|----------------|----------|---------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|
|  |        |                  |                   | Total Costs    | Rev          | Net Cost       | Cap Levy | Dev Chg | Deb            | Other          | Total           | Net             | Total           | Net             | Total            | Net              |
| Brealey - Lansdowne to Sherbrooke Street           | 5-9.14 | 14,300.0         | 800.0             |                |              |                |          |         |                |                |                 |                 | 500.0           | 500.0           | 13,000.0         | 13,000.0         |
| Sherbrooke St - Glenforest to West City Limit      | 5-9.15 | 20,750.0         | 3,250.0           |                |              |                |          |         |                |                |                 |                 | 500.0           | 500.0           | 17,000.0         | 17,000.0         |
| Liftlock Development Road Network Improvements     | 5-9.16 | 9,250.0          |                   |                |              |                |          |         |                |                |                 |                 | 250.0           | 250.0           | 9,000.0          | 9,000.0          |
| Television Rd - Lansdowne to Parkhill Rd           | 5-9.17 | 40,150.0         | 400.0             |                |              |                |          |         |                |                |                 |                 |                 |                 | 39,750.0         | 39,750.0         |
| River Road - Hwy7/115 to Lansdowne Street          | 5-9.18 | 20,560.0         | 60.0              |                |              |                |          |         |                |                |                 |                 |                 |                 | 20,500.0         | 20,500.0         |
| Brealey Drive – Sherbrooke Street to Parkhill Road | 5-9.19 | 13,700.0         |                   |                |              |                |          |         |                |                |                 |                 |                 |                 | 13,700.0         | 13,700.0         |
| Ashburnham - McFarlane to Parkhill                 | 5-9.20 | 13,250.0         |                   |                |              |                |          |         |                |                |                 |                 |                 |                 | 13,250.0         | 8,833.3          |
| Pioneer Road Upgrades Cleantech to Cty Rd 4        | 5-9.21 | 7,000.0          |                   |                |              |                |          |         |                |                |                 |                 |                 |                 | 7,000.0          | 7,000.0          |
| Carnegie Ave Urbanization - Cumberland Rd to North | 5-9.22 | 5,250.0          |                   |                |              |                |          |         |                |                |                 |                 |                 |                 | 5,250.0          | 5,250.0          |
| <b>Total</b>                                       |        | <b>339,282.3</b> | <b>22,489.3</b>   | <b>5,200.0</b> | <b>900.0</b> | <b>4,300.0</b> |          |         | <b>2,455.6</b> | <b>1,844.4</b> | <b>26,399.0</b> | <b>25,235.0</b> | <b>37,039.0</b> | <b>25,301.4</b> | <b>248,155.0</b> | <b>241,238.3</b> |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-9.01

**Division:** Engineering - Arterial Streets

**Climate Adaptation:** Yes

**Project Name & Description**

Parkhill Rd Reconstruction - George St to Rubidge St

**Commitments Made**

**Effects on Future Operating Budgets**

Reduce maintenance cost to both road and underground critical infrastructure.

**Project Detail, Justification & Reference Map**

Reconstruction is required to address critical underground infrastructure deterioration.

This project needs to be completed prior to the Chemong Road re-widening to avoid significant traffic impacts created by future construction work on Chemong Road.

Re-surfacing work is proposed (from Aylmer to Rubidge) to align with construction limits of Chemong Road project.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                  |  | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------------------|--|------------------|----------------------|----------------|----------------|------|------|------|-----------------|-----------------|--|
|                                  |  |                  |                      | 2022           | 2023           | 2024 | 2025 | 2026 |                 |                 |  |
| Department                       | Infrastructure and Planning Services                 |                  |                      |                |                |      |      |      |                 |                 |  |
| Division                         | Engineering - Arterial Streets                       |                  |                      |                |                |      |      |      |                 |                 |  |
| Project Description              | Parkhill Rd Reconstruction - George St to Rubidge St |                  |                      |                |                |      |      |      |                 |                 |  |
| Project #                        | 5-9.01   |                  |                      |                |                |      |      |      |                 |                 |  |
| Expenditures                     |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Contractual Services             |  | 3,100.0          |                      | 1,550.0        | 1,550.0        |      |      |      |                 |                 |  |
| Total Direct Revenue             |  | <u>3,100.0</u>   |                      | <u>1,550.0</u> | <u>1,550.0</u> |      |      |      |                 |                 |  |
| Direct Revenue                   |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Debt - WWRF                      |  | 1,800.0          |                      | 900.0          | 900.0          |      |      |      |                 |                 |  |
| Total Direct Revenue             |  | <u>1,800.0</u>   |                      | <u>900.0</u>   | <u>900.0</u>   |      |      |      |                 |                 |  |
| Net Requirements                 |  | <u>1,300.0</u>   |                      | <u>650.0</u>   | <u>650.0</u>   |      |      |      |                 |                 |  |
| To Be Financed From:             |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Debentures                       |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported            |  | 655.6            |                      | 5.6            | 650.0          |      |      |      |                 |                 |  |
| Total Debenture Financing        |  | <u>655.6</u>     |                      | <u>5.6</u>     | <u>650.0</u>   |      |      |      |                 |                 |  |
| Reserves                         |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Canada Community-Build Fund (FGT |  | 644.4            |                      | 644.4          |                |      |      |      |                 |                 |  |
| Total Reserves                   |  | <u>644.4</u>     |                      | <u>644.4</u>   |                |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.02**Division:** Engineering - Arterial Streets**Climate Adaptation:** Yes**Project Name & Description**

Lansdowne Street Rehabilitation - Park Street to Otonabee River

**Commitments Made**

The 2022 Draft Budget includes a request for pre-commitment of \$2.8 million of the 2023 capital budget for this project. With Council's approval of the 2022 budget and the pre-commitment of 2023 budget will fund the Park Street to Lock Street portion of this project.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Due to the age and deteriorating condition of the storm sewers, replacement is required. The critical infrastructure in this area dates back to the 1940s and is at end of lifecycle.

The project involves replacing some of the sanitary sewers and pavement structure, as well as addressing some flood mitigation and improvements to the storm sewers. The project will also address roadway tapers and intersection improvements.

In coordination with the proposed twin pad arena at Morrow Park, a new set of traffic signals is planned for the intersection of Lansdowne Street and Aylmer Street with a new entrance established into Morrow Park. As part of this coordination, timing of the Lansdowne Street improvements from Park Street to George Street should be completed prior to the new arena opening.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |   | Project | Approved | Requested |         |      |      |      | 2027 to | 2032 to |  |
|-----------------------------|---|---------|----------|-----------|---------|------|------|------|---------|---------|--|
|                             |   | Total   | Pre-2022 | 2022      | 2023    | 2024 | 2025 | 2026 | 2031    | 2046    |  |
| Department                  | Infrastructure and Planning Services                    |         |          |           |         |      |      |      |         |         |  |
| Division                    | Engineering - Arterial Streets                          |         |          |           |         |      |      |      |         |         |  |
| Project Description         | Lansdowne St Rehabilitation - Park St to Otonabee River |         |          |           |         |      |      |      |         |         |  |
| Project #                   | 5-9.02  |         |          |           |         |      |      |      |         |         |  |
| Expenditures                |   |         |          |           |         |      |      |      |         |         |  |
| Contractual Services        | 7,850.0   | 850.0   | 1,200.0  | 2,800.0   | 3,000.0 |      |      |      |         |         |  |
| Total Direct Revenue        | 7,850.0   | 850.0   | 1,200.0  | 2,800.0   | 3,000.0 |      |      |      |         |         |  |
| Net Requirements            | 7,850.0   | 850.0   | 1,200.0  | 2,800.0   | 3,000.0 |      |      |      |         |         |  |
| To Be Financed From:        |   |         |          |           |         |      |      |      |         |         |  |
| Reserves                    |   |         |          |           |         |      |      |      |         |         |  |
| FRMP - Capital Levy Reserve | 450.0   | 50.0    |          | 200.0     | 200.0   |      |      |      |         |         |  |
| Waste Water Reserve         | 4,900.0   | 700.0   | 1,200.0  | 1,400.0   | 1,600.0 |      |      |      |         |         |  |
| Total Reserves              | 5,350.0   | 750.0   | 1,200.0  | 1,600.0   | 1,800.0 |      |      |      |         |         |  |
| Capital Levy                | 2,500.0   | 100.0   |          | 1,200.0   | 1,200.0 |      |      |      |         |         |  |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.03**Division:** Engineering - Arterial Streets**Project Name & Description**

Lansdowne Street West – Spillsbury Drive to Clonsilla Avenue

**Commitments Made**

As part of the 2021 Budget process Council pre-committed 2022 and 2023 capital funds.

**Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This project will include the construction of a centre turn lane, improvements to the Spillsbury Drive/Kawartha Heights Boulevard/Lansdowne Street West intersection as well as the elimination of the channelized southbound right-turn at Clonsilla Avenue/Lansdowne Street West.

Detailed design is ongoing as phase one. Phase two will include utility relocation and property acquisition. Phase three will be the construction of the road and intersection improvements.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--|------------------|----------------------|----------------|----------------|------|------|------|-----------------|-----------------|--|
|                           |  |                  |                      | 2022           | 2023           | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services     |                  |                      |                |                |      |      |      |                 |                 |  |
| Division                  | Engineering - Arterial Streets           |                  |                      |                |                |      |      |      |                 |                 |  |
| Project Description       | Lansdowne West - Spillsbury to Clonsilla |                  |                      |                |                |      |      |      |                 |                 |  |
| Project #                 | 5-9.03                                   |                  |                      |                |                |      |      |      |                 |                 |  |
| Expenditures              |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Contractual Services      |  | 7,000.0          | 800.0                | 1,200.0        | 5,000.0        |      |      |      |                 |                 |  |
| Total Direct Revenue      |  | <u>7,000.0</u>   | <u>800.0</u>         | <u>1,200.0</u> | <u>5,000.0</u> |      |      |      |                 |                 |  |
| Net Requirements          |  | <u>7,000.0</u>   | <u>800.0</u>         | <u>1,200.0</u> | <u>5,000.0</u> |      |      |      |                 |                 |  |
| To Be Financed From:      |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Debentures                |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |  | 6,800.0          | 600.0                | 1,200.0        | 5,000.0        |      |      |      |                 |                 |  |
| Total Debenture Financing |  | <u>6,800.0</u>   | <u>600.0</u>         | <u>1,200.0</u> | <u>5,000.0</u> |      |      |      |                 |                 |  |
| Capital Levy              |  | <u>200.0</u>     | <u>200.0</u>         |                |                |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.04**Division:** Engineering - Arterial Streets**Climate Adaptation:** Yes**Project Name & Description**

Chemong Road to Sunset Blvd

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

Major reconstruction to widen this road to five lanes of traffic, by the introduction of a centre turn lane, was identified in the Transportation Master Plan. This work is necessitated by an increase in traffic volumes and access to commercial properties.

The Municipal Class EA has been approved. Property acquisition and utility relocation is underway and will be ongoing as the project proceeds.

The project cost will be more accurately refined during completion of the detailed design. It is also anticipated that flood reduction measures will be required, as well as sanitary sewer upgrades, to address a bottleneck within the existing system.

The 2022 funding will be used for easements/property acquisitions and detailed design development.

This project is to be partially funded through Development Charges (City Wide Uniform Charge and Area Specific).

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                  |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |         |         |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------------------|--------------------------------------|------------------|----------------------|-----------|---------|---------|---------|------|-----------------|-----------------|
|                                  |                                      |                  |                      | 2022      | 2023    | 2024    | 2025    | 2026 |                 |                 |
| Department                       | Infrastructure and Planning Services |                  |                      |           |         |         |         |      |                 |                 |
| Division                         | Engineering - Arterial Streets       |                  |                      |           |         |         |         |      |                 |                 |
| Project Description              | Chemong Road to Sunset Blvd          |                  |                      |           |         |         |         |      |                 |                 |
| Project #                        | 5-9.04                               |                  |                      |           |         |         |         |      |                 |                 |
| Expenditures                     |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Contractual Services             | 37,757.8                             | 8,957.8          | 1,000.0              | 7,800.0   | 7,000.0 | 6,500.0 | 6,500.0 |      |                 |                 |
| Total Direct Revenue             | 37,757.8                             | 8,957.8          | 1,000.0              | 7,800.0   | 7,000.0 | 6,500.0 | 6,500.0 |      |                 |                 |
| Net Requirements                 | 37,757.8                             | 8,957.8          | 1,000.0              | 7,800.0   | 7,000.0 | 6,500.0 | 6,500.0 |      |                 |                 |
| To Be Financed From:             |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Debentures                       |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Deb Rev-Tax Supported            | 9,179.4                              | 1,335.0          | 644.4                |           | 1,800.0 | 2,700.0 | 2,700.0 |      |                 |                 |
| DEBT DC-RoadsRelated             | 8,813.8                              | 2,810.0          | 355.6                | 1,748.2   | 1,500.0 | 1,200.0 | 1,200.0 |      |                 |                 |
| DEBT DC-Chemong West             | 268.7                                |                  |                      | 268.7     |         |         |         |      |                 |                 |
| DEBT DC-CarnegieWest             | 89.6                                 |                  |                      | 89.6      |         |         |         |      |                 |                 |
| Total Debenture Financing        | 18,351.5                             | 4,145.0          | 1,000.0              | 2,106.5   | 3,300.0 | 3,900.0 | 3,900.0 |      |                 |                 |
| Development Charges              |                                      |                  |                      |           |         |         |         |      |                 |                 |
| DC - Roads Related               | 3,169.0                              | 3,169.0          |                      |           |         |         |         |      |                 |                 |
| DC - Chemong East                | 171.7                                |                  |                      | 171.7     |         |         |         |      |                 |                 |
| Total Development Charges        | 3,340.7                              | 3,169.0          |                      | 171.7     |         |         |         |      |                 |                 |
| Reserves                         |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Canada Community-Build Fund (FGT | 14,013.4                             | 872.1            |                      | 4,541.4   | 3,400.0 | 2,600.0 | 2,600.0 |      |                 |                 |
| Tsf from - Rec Land              | 217.8                                | 217.8            |                      |           |         |         |         |      |                 |                 |
| FRMP - Capital Levy Reserve      | 1,280.4                              |                  |                      | 980.4     | 300.0   |         |         |      |                 |                 |
| Waste Water Reserve              | 463.9                                | 463.9            |                      |           |         |         |         |      |                 |                 |
| Total Reserves                   | 15,975.5                             | 1,553.8          |                      | 5,521.8   | 3,700.0 | 2,600.0 | 2,600.0 |      |                 |                 |
| Capital Levy                     | 90.0                                 | 90.0             |                      |           |         |         |         |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.05**Division:** Engineering - Arterial Streets**Project Name & Description**

Lily Lake Area Development Network Improvements

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

Through draft plan approval of the subdivision within Lily Lake Secondary Planning area, various road improvements have been identified and are required for the area.

The current projects identified include but are not limited to;

Various improvement along Fairbairn St  
Various improvements along Lily Lake Road  
Various improvement along Towerhill Rd  
Signalization or alternative at Towerhill Rd and Fairbairn St  
Sidewalk installation on Fairbairn St from Parkview Dr to Highland Rd

Funds for the design and construction of the pedestrian network on Fairbairn St and the detailed design and construction of the intersection improvements at Towerhill Rd and Fairbairn St. have been included in the budget forecast.

The 2022 budget will allow detailed design to proceed for the sidewalk facilities on Fairbairn St. This sidewalk will allow pedestrian traffic to access signalized intersections. Further detail regarding design, property acquisition and construction schedules will be provided in future budgets.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |                |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---|------------------|----------------------|--------------|----------------|------|------|------|-----------------|-----------------|--|
|                           |   |                  |                      | 2022         | 2023           | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services            |                  |                      |              |                |      |      |      |                 |                 |  |
| Division                  | Engineering - Arterial Streets                  |                  |                      |              |                |      |      |      |                 |                 |  |
| Project Description       | Lily Lake Area Development Network Improvements |                  |                      |              |                |      |      |      |                 |                 |  |
| Project #                 | 5-9.05  |                  |                      |              |                |      |      |      |                 |                 |  |
| Expenditures              |   |                  |                      |              |                |      |      |      |                 |                 |  |
| Contractual Services      |   | 3,362.5          | 112.5                | 250.0        | 3,000.0        |      |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>3,362.5</u>   | <u>112.5</u>         | <u>250.0</u> | <u>3,000.0</u> |      |      |      |                 |                 |  |
| Direct Revenue            |   |                  |                      |              |                |      |      |      |                 |                 |  |
| Developer Contributions   |   | <u>112.5</u>     | <u>112.5</u>         |              |                |      |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>112.5</u>     | <u>112.5</u>         |              |                |      |      |      |                 |                 |  |
| Net Requirements          |   | <u>3,250.0</u>   |                      | <u>250.0</u> | <u>3,000.0</u> |      |      |      |                 |                 |  |
| To Be Financed From:      |   |                  |                      |              |                |      |      |      |                 |                 |  |
| Debentures                |   |                  |                      |              |                |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |   | 1,625.0          |                      | 125.0        | 1,500.0        |      |      |      |                 |                 |  |
| DEBT DC-RoadsRelated      |   | <u>1,625.0</u>   |                      | <u>125.0</u> | <u>1,500.0</u> |      |      |      |                 |                 |  |
| Total Debenture Financing |   | <u>3,250.0</u>   |                      | <u>250.0</u> | <u>3,000.0</u> |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.06**Division:** Engineering - Arterial Streets**Climate Mitigation:** Yes**Project Name & Description**

Future High Use Arterial Road

**Commitments Made****Effects on Future Operating Budgets**

Increased road length and new structures will increase overall maintenance costs

**Project Detail, Justification & Reference Map**

On March 24, 2014, the Environmental Study Report for The Parkway was submitted to the Ministry of the Environment and Climate Change. The Minister of the Environment and Climate Change responded on September 16, 2016 and issued an order requiring the City to undertake a full Individual Environmental Assessment for The Parkway or any alternative to it.

Various options have been reviewed to move the matter of transportation forward in the City of Peterborough under the Minister's Order. Report USDIR18-002 outlined many "feeder" studies to be undertaken as input to an updated Transportation Master Plan.

The Transportation Master Plan commenced in 2020 with the first round of community consultation completed in September 2020. Together with the various feeder studies in progress (East Side Transportation Study, North End EA, Cycling Master Plan), the TMP will provide the City with an up-to-date transportation plan and a well rounded, documented move forward scenario.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |         |         |          | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|------------------|----------------------|-----------|---------|---------|---------|----------|-----------------|-----------------|
|                           |                                      |                  |                      | 2022      | 2023    | 2024    | 2025    | 2026     |                 |                 |
| Department                | Infrastructure and Planning Services |                  |                      |           |         |         |         |          |                 |                 |
| Division                  | Engineering - Arterial Streets       |                  |                      |           |         |         |         |          |                 |                 |
| Project Description       | Future High Use Arterial Road        |                  |                      |           |         |         |         |          |                 |                 |
| Project #                 | 5-9.06                               |                  |                      |           |         |         |         |          |                 |                 |
| Expenditures              |                                      |                  |                      |           |         |         |         |          |                 |                 |
| Contractual Services      | 76,571.0                             | 3,339.0          |                      | 4,759.0   | 1,768.0 | 3,520.0 | 1,495.0 | 38,160.0 | 23,530.0        |                 |
| Net Requirements          | 76,571.0                             | 3,339.0          |                      | 4,759.0   | 1,768.0 | 3,520.0 | 1,495.0 | 38,160.0 | 23,530.0        |                 |
| To Be Financed From:      |                                      |                  |                      |           |         |         |         |          |                 |                 |
| Debentures                |                                      |                  |                      |           |         |         |         |          |                 |                 |
| Deb Rev-Tax Supported     | 35,026.6                             |                  |                      | 1,160.1   | 884.0   | 1,760.0 | 747.5   | 19,080.0 | 11,395.0        |                 |
| DEBT DC-RoadsRelated      | 40,448.5                             | 2,743.1          |                      | 3,098.9   | 884.0   | 1,760.0 | 747.5   | 19,080.0 | 12,135.0        |                 |
| Total Debenture Financing | 75,475.1                             | 2,743.1          |                      | 4,259.0   | 1,768.0 | 3,520.0 | 1,495.0 | 38,160.0 | 23,530.0        |                 |
| Reserves                  |                                      |                  |                      |           |         |         |         |          |                 |                 |
| Waste Water Reserve       | 500.0                                |                  |                      | 500.0     |         |         |         |          |                 |                 |
| Total Reserves            | 500.0                                |                  |                      | 500.0     |         |         |         |          |                 |                 |
| Capital Levy              | 595.9                                | 595.9            |                      |           |         |         |         |          |                 |                 |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.07**Division:** Engineering - Arterial Streets**Project Name & Description**

Television Road Signals - Burnham Meadows

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Through the development of the subdivision external to the City limits on Television Road, the City collected a portion of the required funding from the Developer of the Burnham Meadows Subdivision for the installation of signals. The signal installation will also support growth and development of the Liftlock Secondary Planning area and the City can potentially recover a portion of costs associated to the signal as a local service to the development.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |   | Project | Approved | Requested |       |      |      |      | 2027 to | 2032 to |
|---------------------------|---|---------|----------|-----------|-------|------|------|------|---------|---------|
|                           |   | Total   | Pre-2022 | 2022      | 2023  | 2024 | 2025 | 2026 | 2031    | 2046    |
| Department                | Infrastructure and Planning Services      |         |          |           |       |      |      |      |         |         |
| Division                  | Engineering - Arterial Streets            |         |          |           |       |      |      |      |         |         |
| Project Description       | Television Road Signals - Burnham Meadows |         |          |           |       |      |      |      |         |         |
| Project #                 | 5-9.07                                    |         |          |           |       |      |      |      |         |         |
| Expenditures              |   |         |          |           |       |      |      |      |         |         |
| Contractual Services      |   | 760.0   | 70.0     |           | 690.0 |      |      |      |         |         |
| Total Direct Revenue      |   | 760.0   | 70.0     |           | 690.0 |      |      |      |         |         |
| Direct Revenue            |   |         |          |           |       |      |      |      |         |         |
| Subdivider Contribution   |   | 35.0    | 35.0     |           |       |      |      |      |         |         |
| Developer Contributions   |   | 90.0    |          |           | 90.0  |      |      |      |         |         |
| Total Direct Revenue      |   | 125.0   | 35.0     |           | 90.0  |      |      |      |         |         |
| Net Requirements          |   | 635.0   | 35.0     |           | 600.0 |      |      |      |         |         |
| To Be Financed From:      |   |         |          |           |       |      |      |      |         |         |
| Debentures                |   |         |          |           |       |      |      |      |         |         |
| DEBT DC-RoadsRelated      |   | 600.0   |          |           | 600.0 |      |      |      |         |         |
| Total Debenture Financing |   | 600.0   |          |           | 600.0 |      |      |      |         |         |
| Capital Levy              |   | 35.0    | 35.0     |           |       |      |      |      |         |         |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.08**Division:** Engineering - Arterial Streets**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Armour Road - Nassau Mills Road South to Rotary Trail

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This project involves major construction of a partially realigned two lane urban arterial, and will include sidewalk(s), bike way, storm sewer, etc.

Construction timing is dependent upon the rate of development in the Auburn Secondary Plan area, particularly the former Dafoe property. In order to facilitate the stormwater management as well as access points to the secondary plan development, the City has secured funds for the EA. This EA will provide the ultimate Armour Road alignment, access points for the developers and stormwater management in the area of a Zone 1 drinking water intake area.

The project costs will be more accurately defined during completion of the EA. This EA will also include the Nassau Mills Bridge over the Otonabee River, and the Nassau Mills Bridge over the Trent Severn, taking a holistic approach to planning the area road network. Greater detail on design, utility relocation and property acquisition and construction will be provided when more information is available regarding the timing for development of the Auburn Secondary Plan area.

This project is partially funded through the Development Charges Reserve (City Wide Uniform Charge).

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |                |                |                |                 | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|--------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
|                           |   |                  |                      | 2022         | 2023           | 2024           | 2025           | 2026            |                 |                 |
| Department                | Infrastructure and Planning Services                |                  |                      |              |                |                |                |                 |                 |                 |
| Division                  | Engineering - Arterial Streets                      |                  |                      |              |                |                |                |                 |                 |                 |
| Project Description       | Armour Rd - Nassau Mills Road South to Rotary Trail |                  |                      |              |                |                |                |                 |                 |                 |
| Project #                 | 5-9.08  |                  |                      |              |                |                |                |                 |                 |                 |
| Expenditures              |   |                  |                      |              |                |                |                |                 |                 |                 |
| Contractual Services      | 21,900.0  | 900.0            |                      | 500.0        | 1,000.0        | 2,000.0        | 7,500.0        | 10,000.0        |                 |                 |
| Total Direct Revenue      | <u>21,900.0</u>                                     | <u>900.0</u>     |                      | <u>500.0</u> | <u>1,000.0</u> | <u>2,000.0</u> | <u>7,500.0</u> | <u>10,000.0</u> |                 |                 |
| Direct Revenue            |   |                  |                      |              |                |                |                |                 |                 |                 |
| Developer Contributions   | 2,500.0   |                  |                      |              |                | 500.0          |                | 2,000.0         |                 |                 |
| Total Direct Revenue      | <u>2,500.0</u>                                      |                  |                      |              |                | <u>500.0</u>   |                | <u>2,000.0</u>  |                 |                 |
| Net Requirements          | <u>19,400.0</u>                                     | <u>900.0</u>     |                      | <u>500.0</u> | <u>1,000.0</u> | <u>1,500.0</u> | <u>7,500.0</u> | <u>8,000.0</u>  |                 |                 |
| To Be Financed From:      |   |                  |                      |              |                |                |                |                 |                 |                 |
| Debentures                |   |                  |                      |              |                |                |                |                 |                 |                 |
| Deb Rev-Tax Supported     | 5,764.0   | 263.5            |                      | 167.0        | 333.0          | 333.4          | 2,500.0        | 2,167.1         |                 |                 |
| DEBT DC-RoadsRelated      | 11,593.5  | 594.0            |                      | 333.0        | 667.0          | 666.6          | 5,000.0        | 4,332.9         |                 |                 |
| Total Debenture Financing | <u>17,357.5</u>                                     | <u>857.5</u>     |                      | <u>500.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>7,500.0</u> | <u>6,500.0</u>  |                 |                 |
| Reserves                  |   |                  |                      |              |                |                |                |                 |                 |                 |
| Waste Water Reserve       | 2,042.5   | 42.5             |                      |              |                | 500.0          |                | 1,500.0         |                 |                 |
| Total Reserves            | <u>2,042.5</u>                                      | <u>42.5</u>      |                      |              |                | <u>500.0</u>   |                | <u>1,500.0</u>  |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.09**Division:** Engineering - Arterial Streets**Project Name & Description**

University Road Upgrade to High Capacity Arterial

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This project was recommended in the 2011 Transportation Master Plan. The project involves the upgrade of University Road from a medium capacity arterial to a high capacity arterial road from County Road 4 to Nassau Mills. The City will have to work in conjunction with the County to achieve the results recommended in the Transportation Master Plan.

The City is responsible for approximately 42% of the total costs.

The project is identified in the City's Development Charges By-Law.

The City is currently undergoing a North End Transportation Study and an East Side Transportation Study that will provide additional insight to the use and timing of this connecting link. Following the transportation study;

Phase one: Detailed design

Phase Two: Utility relocation and property acquisitions

Phase Three: Construction

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                  |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |              |                |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------------------|--------------------------------------|------------------|----------------------|-----------|--------------|----------------|------|------|-----------------|-----------------|--|
|                                  |                                      |                  |                      | 2022      | 2023         | 2024           | 2025 | 2026 |                 |                 |  |
| Department                       | Infrastructure and Planning Services |                  |                      |           |              |                |      |      |                 |                 |  |
| Division                         | Engineering - Arterial Streets       |                  |                      |           |              |                |      |      |                 |                 |  |
| Project Description              | University Rd - Upgrade Arterial     |                  |                      |           |              |                |      |      |                 |                 |  |
| Project #                        | 5-9.09                               |                  |                      |           |              |                |      |      |                 |                 |  |
| Expenditures                     |                                      |                  |                      |           |              |                |      |      |                 |                 |  |
| Contractual Services             |                                      | 8,600.0          |                      |           | 300.0        | 8,300.0        |      |      |                 |                 |  |
| Total Direct Revenue             |                                      | <u>8,600.0</u>   |                      |           | <u>300.0</u> | <u>8,300.0</u> |      |      |                 |                 |  |
| Direct Revenue                   |                                      |                  |                      |           |              |                |      |      |                 |                 |  |
| Other Mun-grants & fees          |                                      | 4,988.0          |                      |           | 174.0        | 4,814.0        |      |      |                 |                 |  |
| Total Direct Revenue             |                                      | <u>4,988.0</u>   |                      |           | <u>174.0</u> | <u>4,814.0</u> |      |      |                 |                 |  |
| Net Requirements                 |                                      | <u>3,612.0</u>   |                      |           | <u>126.0</u> | <u>3,486.0</u> |      |      |                 |                 |  |
| To Be Financed From:             |                                      |                  |                      |           |              |                |      |      |                 |                 |  |
| Development Charges              |                                      |                  |                      |           |              |                |      |      |                 |                 |  |
| DC - Roads Related               |                                      | 1,806.0          |                      |           | 63.0         | 1,743.0        |      |      |                 |                 |  |
| Total Development Charges        |                                      | <u>1,806.0</u>   |                      |           | <u>63.0</u>  | <u>1,743.0</u> |      |      |                 |                 |  |
| Reserves                         |                                      |                  |                      |           |              |                |      |      |                 |                 |  |
| Canada Community-Build Fund (FGT |                                      | 1,806.0          |                      |           | 63.0         | 1,743.0        |      |      |                 |                 |  |
| Total Reserves                   |                                      | <u>1,806.0</u>   |                      |           | <u>63.0</u>  | <u>1,743.0</u> |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.10**Division:** Engineering - Arterial Streets**Project Name & Description**

Carnegie Planning Area East/West Arterial

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This work is identified in the current Development Charges By-Law and is required for the construction of a new, two lane arterial road in an east-west orientation through the Carnegie Planning Area. Final alignment will be established through Draft Plan approval(s).

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                       | Project<br>Total | Approved<br>Pre-2022 | Requested |         |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---------------------------------------|------------------|----------------------|-----------|---------|------|------|------|-----------------|-----------------|--|
|                           |                                       |                  |                      | 2022      | 2023    | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services  |                  |                      |           |         |      |      |      |                 |                 |  |
| Division                  | Engineering - Arterial Streets        |                  |                      |           |         |      |      |      |                 |                 |  |
| Project Description       | Carnegie Planning Area - E/W Arterial |                  |                      |           |         |      |      |      |                 |                 |  |
| Project #                 | 5-9.10                                |                  |                      |           |         |      |      |      |                 |                 |  |
| Expenditures              |                                       |                  |                      |           |         |      |      |      |                 |                 |  |
| Contractual Services      |                                       | 7,500.0          |                      |           | 7,500.0 |      |      |      |                 |                 |  |
| Total Direct Revenue      |                                       | 7,500.0          |                      |           | 7,500.0 |      |      |      |                 |                 |  |
| Direct Revenue            |                                       |                  |                      |           |         |      |      |      |                 |                 |  |
| Developer Contributions   |                                       | 5,000.0          |                      |           | 5,000.0 |      |      |      |                 |                 |  |
| Total Direct Revenue      |                                       | 5,000.0          |                      |           | 5,000.0 |      |      |      |                 |                 |  |
| Net Requirements          |                                       | 2,500.0          |                      |           | 2,500.0 |      |      |      |                 |                 |  |
| To Be Financed From:      |                                       |                  |                      |           |         |      |      |      |                 |                 |  |
| Debentures                |                                       |                  |                      |           |         |      |      |      |                 |                 |  |
| DEBT DC-RoadsRelated      |                                       | 2,500.0          |                      |           | 2,500.0 |      |      |      |                 |                 |  |
| Total Debenture Financing |                                       | 2,500.0          |                      |           | 2,500.0 |      |      |      |                 |                 |  |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.11**Division:** Engineering - Arterial Streets**Project Name & Description**

Water Street North Urbanization - Nassau Mills Road to Woodland Drive

**Commitments Made**

The City has a commitment through an existing Development Agreement.

**Effects on Future Operating Budgets**

Increased new infrastructure will increase overall maintenance costs.

**Project Detail, Justification & Reference Map**

In support of the new development in the City's north end and the University, the urbanization will provide the level of service required by the area development. This project would involve pavement, curb and gutter, sidewalk(s), storm sewers, and potential for bike lanes, and turning lanes. This project intends to improve the road condition and level of service along the north/south arterial street to an urban cross section.

This project will follow the completion of the EA for the north end in support of development that is ongoing with the Nassau Mills Bridges and realignment of Armour Road project.

In advance of the EA completion and to support development at the intersection of Woodland/Water, intersection improvements via the pre-approved Schedule A municipal Class EA will be constructed by the Developer as external works.

This project is growth related and is partially funded through Development Charges.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|----------------|----------------|----------------|----------------|------|-----------------|-----------------|
|                           |   |                  |                      | 2022           | 2023           | 2024           | 2025           | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services                            |                  |                      |                |                |                |                |      |                 |                 |
| Division                  | Engineering - Arterial Streets                                  |                  |                      |                |                |                |                |      |                 |                 |
| Project Description       | Water St North Urbanization - Nassau Mills Rd to<br>Woodland Dr |                  |                      |                |                |                |                |      |                 |                 |
| Project #                 | 5-9.11  |                  |                      |                |                |                |                |      |                 |                 |
| Expenditures              |   |                  |                      |                |                |                |                |      |                 |                 |
| Contractual Services      | 9,550.0   | 2,950.0          |                      |                |                | 3,600.0        | 3,000.0        |      |                 |                 |
| Total Direct Revenue      | <u>9,550.0</u>  | <u>2,950.0</u>   |                      |                |                | <u>3,600.0</u> | <u>3,000.0</u> |      |                 |                 |
| Direct Revenue            |   |                  |                      |                |                |                |                |      |                 |                 |
| Subdivider Contribution   | 220.0   | 220.0            |                      |                |                |                |                |      |                 |                 |
| Total Direct Revenue      | <u>220.0</u>  | <u>220.0</u>     |                      |                |                |                |                |      |                 |                 |
| Net Requirements          | <u>9,330.0</u>  | <u>2,730.0</u>   |                      | <u>3,600.0</u> | <u>3,000.0</u> |                |                |      |                 |                 |
| To Be Financed From:      |   |                  |                      |                |                |                |                |      |                 |                 |
| Debentures                |   |                  |                      |                |                |                |                |      |                 |                 |
| Deb Rev-Tax Supported     | 6,165.0   | 1,365.0          |                      | 1,800.0        | 3,000.0        |                |                |      |                 |                 |
| DEBT DC-RoadsRelated      | 3,165.0   | 1,365.0          |                      | 1,800.0        |                |                |                |      |                 |                 |
| Total Debenture Financing | <u>9,330.0</u>  | <u>2,730.0</u>   |                      | <u>3,600.0</u> | <u>3,000.0</u> |                |                |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-9.12

**Division:** Engineering - Arterial Streets

**Project Name & Description**

Carnegie Planning Area North/South Arterial

**Commitments Made**

**Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This work is included in the current Development Charges By-Law and is required for the over sizing of a new two-lane arterial road in a north-south orientation through the Carnegie Planning Area. Final alignment will be established through Draft Plan approval(s).

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |         |  |  |  |  |
|---------------------------|--------------------------------------|------------------|----------------------|-----------|---------|------|------|------|-----------------|-----------------|---------|--|--|--|--|
|                           |                                      |                  |                      | 2022      | 2023    | 2024 | 2025 | 2026 |                 |                 |         |  |  |  |  |
| Department                | Infrastructure and Planning Services |                  |                      |           |         |      |      |      |                 |                 |         |  |  |  |  |
| Division                  | Engineering - Arterial Streets       |                  |                      |           |         |      |      |      |                 |                 |         |  |  |  |  |
| Project Description       | Carnegie Planning Area N/S Arterial  |                  |                      |           |         |      |      |      |                 |                 |         |  |  |  |  |
| Project #                 | 5-9.12                               |                  |                      |           |         |      |      |      |                 |                 |         |  |  |  |  |
| Expenditures              |                                      |                  |                      |           |         |      |      |      |                 |                 |         |  |  |  |  |
| Contractual Services      | 2,871.0                              |                  |                      |           | 2,871.0 |      |      |      |                 |                 |         |  |  |  |  |
| Total Direct Revenue      | 2,871.0                              |                  |                      |           | 2,871.0 |      |      |      |                 |                 |         |  |  |  |  |
| Direct Revenue            |                                      |                  |                      |           |         |      |      |      |                 |                 |         |  |  |  |  |
| Developer Contributions   | 1,923.6                              |                  |                      |           |         |      |      |      |                 |                 | 1,923.6 |  |  |  |  |
| Total Direct Revenue      | 1,923.6                              |                  |                      |           |         |      |      |      |                 |                 | 1,923.6 |  |  |  |  |
| Net Requirements          | 947.4                                |                  |                      |           |         |      |      |      |                 |                 | 947.4   |  |  |  |  |
| To Be Financed From:      |                                      |                  |                      |           |         |      |      |      |                 |                 |         |  |  |  |  |
| Debentures                |                                      |                  |                      |           |         |      |      |      |                 |                 |         |  |  |  |  |
| DEBT DC-RoadsRelated      | 947.4                                |                  |                      |           |         |      |      |      |                 |                 | 947.4   |  |  |  |  |
| Total Debenture Financing | 947.4                                |                  |                      |           |         |      |      |      |                 |                 | 947.4   |  |  |  |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.13**Division:** Engineering - Arterial Streets**Project Name & Description**

Maria Street - Walker Avenue to Television Road

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

Extension of the urban collector street to provide for the additional traffic generated as a result of ongoing residential development within the Television Road area.

The final section of land for the road extension has been secured, in accordance with the Official Plan, as a condition of Draft Plan approval of the final phase of the Foxmeadow Subdivision. Construction of the road will require Class Environmental Assessment approval.

The City is currently undergoing an East Side Transportation Study that will provide additional insight to the use and timing of this east-west connecting link. Following the transportation study;

Phase One: Class EA

Phase Two: Detailed design and utility locates

Phase Three: Construction

This project is partially funded through the Development Charges Reserve.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |       |         |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--|------------------|----------------------|-----------|------|-------|---------|------|-----------------|-----------------|
|                           |  |                  |                      | 2022      | 2023 | 2024  | 2025    | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services   |                  |                      |           |      |       |         |      |                 |                 |
| Division                  | Engineering - Arterial Streets         |                  |                      |           |      |       |         |      |                 |                 |
| Project Description       | Maria St - Walker Ave to Television Rd |                  |                      |           |      |       |         |      |                 |                 |
| Project #                 | 5-9.13                                 |                  |                      |           |      |       |         |      |                 |                 |
| Expenditures              |  |                  |                      |           |      |       |         |      |                 |                 |
| Contractual Services      | 8,250.0                                |                  |                      |           |      | 750.0 | 7,500.0 |      |                 |                 |
| Total Direct Revenue      | 8,250.0                                |                  |                      |           |      | 750.0 | 7,500.0 |      |                 |                 |
| Net Requirements          | 8,250.0                                |                  |                      |           |      | 750.0 | 7,500.0 |      |                 |                 |
| To Be Financed From:      |  |                  |                      |           |      |       |         |      |                 |                 |
| Debentures                |  |                  |                      |           |      |       |         |      |                 |                 |
| Deb Rev-Tax Supported     | 4,125.0                                |                  |                      |           |      | 375.0 | 3,750.0 |      |                 |                 |
| DEBT DC-RoadsRelated      | 3,750.0                                |                  |                      |           |      |       | 3,750.0 |      |                 |                 |
| Total Debenture Financing | 7,875.0                                |                  |                      |           |      | 375.0 | 7,500.0 |      |                 |                 |
| Development Charges       |  |                  |                      |           |      |       |         |      |                 |                 |
| DC - Roads Related        | 375.0                                  |                  |                      |           |      | 375.0 |         |      |                 |                 |
| Total Development Charges | 375.0                                  |                  |                      |           |      | 375.0 |         |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.14**Division:** Engineering - Arterial Streets**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Brealey Drive – Lansdowne Street West to Sherbrooke Street

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This work is identified in the current Development Charges By-Law. The project is identified as a three-lane cross-section roadway providing centre turn lane opportunities for existing entrances. The project also involves asphalt pavement, concrete curb and gutter, sidewalk(s), bike lanes, storm sewers and turning lanes with signalization. This project is a continuation of the Brealey Street project to the south and will incorporate similar principals.

Phase one: Detailed design is ongoing and has prior budget approval.

Phase Two: Utility relocation and property acquisition

Phase Three: Construction, which will be completed over two construction seasons.

The timing of this project is contingent on the Sherbrooke St reconstruction project to avoid conflicting road closures.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                  |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |       |         |         | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------------------|--|------------------|----------------------|-----------|------|-------|---------|---------|-----------------|-----------------|
|                                  |  |                  |                      | 2022      | 2023 | 2024  | 2025    | 2026    |                 |                 |
| Department                       | Infrastructure and Planning Services     |                  |                      |           |      |       |         |         |                 |                 |
| Division                         | Engineering - Arterial Streets           |                  |                      |           |      |       |         |         |                 |                 |
| Project Description              | Brealey - Lansdowne to Sherbrooke Street |                  |                      |           |      |       |         |         |                 |                 |
| Project #                        | 5-9.14                                   |                  |                      |           |      |       |         |         |                 |                 |
| Expenditures                     |  |                  |                      |           |      |       |         |         |                 |                 |
| Contractual Services             |  | 14,300.0         | 800.0                |           |      | 500.0 | 6,500.0 | 6,500.0 |                 |                 |
| Total Direct Revenue             |  | 14,300.0         | 800.0                |           |      | 500.0 | 6,500.0 | 6,500.0 |                 |                 |
| Net Requirements                 |  | 14,300.0         | 800.0                |           |      | 500.0 | 6,500.0 | 6,500.0 |                 |                 |
| To Be Financed From:             |  |                  |                      |           |      |       |         |         |                 |                 |
| Debentures                       |  |                  |                      |           |      |       |         |         |                 |                 |
| Deb Rev-Tax Supported            |  | 4,385.0          | 535.0                |           |      |       | 2,375.0 | 1,475.0 |                 |                 |
| DEBT DC-RoadsRelated             |  | 2,375.0          |                      |           |      |       |         | 2,375.0 |                 |                 |
| Total Debenture Financing        |  | 6,760.0          | 535.0                |           |      |       | 2,375.0 | 3,850.0 |                 |                 |
| Development Charges              |  |                  |                      |           |      |       |         |         |                 |                 |
| DC - Roads Related               |  | 2,640.0          | 265.0                |           |      |       | 2,375.0 |         |                 |                 |
| Total Development Charges        |  | 2,640.0          | 265.0                |           |      |       | 2,375.0 |         |                 |                 |
| Reserves                         |  |                  |                      |           |      |       |         |         |                 |                 |
| Canada Community-Build Fund (FGT |  | 900.0            |                      |           |      |       |         | 900.0   |                 |                 |
| Waste Water Reserve              |  | 4,000.0          |                      |           |      | 500.0 | 1,750.0 | 1,750.0 |                 |                 |
| Total Reserves                   |  | 4,900.0          |                      |           |      | 500.0 | 1,750.0 | 2,650.0 |                 |                 |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.15**Division:** Engineering - Arterial Streets**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Sherbrooke Street - Glenforest Boulevard to West City Limit

**Commitments Made**

Council, at its meeting of October 1, 2012, directed staff to finalize the Class Environmental Assessment to Reconstruct/Widen Sherbrooke Street. The Environmental Study was posted in 2014.

**Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This project will involve asphalt pavement, concrete curb and gutter, sidewalk(s), bike lanes, storm and sanitary sewers, turning lanes and signalization. The project is to improve the road condition along the east/west arterial street to an urban cross section including active transportation facilities.

This project also includes the sanitary sewer and urbanization of Hywood Road.

The project costs will be more accurately defined upon completion of detailed design.

Funds were requested in 2014 for the detailed design and preliminary property acquisitions. Additional funds were requested in 2017/2019 for the remaining property acquisitions. Utility relocation and construction are scheduled for 2024/2025/2026/2027 after the completion of the Parkhill Road West reconstruction project to avoid coinciding road closures.

This project is to be partially funded through Development Charges (City Wide Uniform Charge) and wastewater reserve.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                       |   | Project<br>Total | Approved<br>Pre-2022 | Requested |              |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------------------|---|------------------|----------------------|-----------|--------------|----------------|----------------|----------------|-----------------|-----------------|
|                                       |   |                  |                      | 2022      | 2023         | 2024           | 2025           | 2026           |                 |                 |
| Department                            | Infrastructure and Planning Services          |                  |                      |           |              |                |                |                |                 |                 |
| Division                              | Engineering - Arterial Streets                |                  |                      |           |              |                |                |                |                 |                 |
| Project Description                   | Sherbrooke St - Glenforest to West City Limit |                  |                      |           |              |                |                |                |                 |                 |
| Project #                             | 5-9.15  |                  |                      |           |              |                |                |                |                 |                 |
| Expenditures                          |   |                  |                      |           |              |                |                |                |                 |                 |
| Contractual Services                  | 20,750.0                                      | 3,250.0          |                      |           | 500.0        | 1,000.0        | 8,000.0        | 8,000.0        |                 |                 |
| Net Requirements                      | <u>20,750.0</u>                               | <u>3,250.0</u>   |                      |           | <u>500.0</u> | <u>1,000.0</u> | <u>8,000.0</u> | <u>8,000.0</u> |                 |                 |
| To Be Financed From:                  |   |                  |                      |           |              |                |                |                |                 |                 |
| Debentures                            |   |                  |                      |           |              |                |                |                |                 |                 |
| Deb Rev-Tax Supported                 | 4,973.8                                       |                  |                      |           | 166.7        | 333.3          | 2,666.0        | 1,807.8        |                 |                 |
| DEBT DC-RoadsRelated                  | 5,753.0                                       | 2,585.0          |                      |           | 166.7        | 333.3          | 2,668.0        |                |                 |                 |
| Total Debenture Financing             | <u>10,726.8</u>                               | <u>2,585.0</u>   |                      |           | <u>333.3</u> | <u>666.7</u>   | <u>5,334.0</u> | <u>1,807.8</u> |                 |                 |
| Development Charges                   |   |                  |                      |           |              |                |                |                |                 |                 |
| DC - Roads Related                    | 3,726.2                                       | 200.0            |                      |           |              |                |                | 3,526.2        |                 |                 |
| Total Development Charges             | <u>3,726.2</u>                                | <u>200.0</u>     |                      |           |              |                |                | <u>3,526.2</u> |                 |                 |
| Reserves                              |   |                  |                      |           |              |                |                |                |                 |                 |
| Infrastructure Planning Services Capi | 80.0  | 80.0             |                      |           |              |                |                |                |                 |                 |
| Waste Water Reserve                   | 5,832.0                                       |                  |                      |           | 166.7        | 333.3          | 2,666.0        | 2,666.0        |                 |                 |
| Total Reserves                        | <u>5,912.0</u>                                | <u>80.0</u>      |                      |           | <u>166.7</u> | <u>333.3</u>   | <u>2,666.0</u> | <u>2,666.0</u> |                 |                 |
| Capital Levy                          | <u>385.0</u>                                  | <u>385.0</u>     |                      |           |              |                |                |                |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.16**Division:** Engineering - Arterial Streets**Project Name & Description**

Liftlock Area Development Road Network Improvements

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

Through draft plan approval of the subdivision within Liftlock Secondary Planning area, various road improvements have been identified and are required for the area. The City is also in the process of completing a broader East Side Area Transportation Study, report IPSTR19-006, which will influence projects identified.

The current projects identified include but are not limited to;

Ashburnham Rd realignment/reconstruction away from the Liftlock (under separate project)

Old Norwood Rd reconstruction and Signals at Television Rd and Old Norwood Rd

Potential signals at Parkhill Rd and Television Rd

Potential signals to align with Township subdivision

Further detail regarding design, property acquisition and construction schedules will be provided in future budgets.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |       |       |         |         | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--|------------------|----------------------|-----------|-------|-------|---------|---------|-----------------|-----------------|
|                           |  |                  |                      | 2022      | 2023  | 2024  | 2025    | 2026    |                 |                 |
| Department                | Infrastructure and Planning Services           |                  |                      |           |       |       |         |         |                 |                 |
| Division                  | Engineering - Arterial Streets                 |                  |                      |           |       |       |         |         |                 |                 |
| Project Description       | Liftlock Development Road Network Improvements |                  |                      |           |       |       |         |         |                 |                 |
| Project #                 | 5-9.16   |                  |                      |           |       |       |         |         |                 |                 |
| Expenditures              |  |                  |                      |           |       |       |         |         |                 |                 |
| Contractual Services      | 9,250.0  |                  |                      |           | 250.0 | 500.0 | 1,000.0 | 7,500.0 |                 |                 |
| Total Direct Revenue      | 9,250.0  |                  |                      |           | 250.0 | 500.0 | 1,000.0 | 7,500.0 |                 |                 |
| Net Requirements          | 9,250.0  |                  |                      |           | 250.0 | 500.0 | 1,000.0 | 7,500.0 |                 |                 |
| To Be Financed From:      |  |                  |                      |           |       |       |         |         |                 |                 |
| Development Charges       |  |                  |                      |           |       |       |         |         |                 |                 |
| DC - Roads Related        | 4,625.0  |                  |                      |           | 125.0 | 250.0 | 500.0   | 3,750.0 |                 |                 |
| Total Development Charges | 4,625.0  |                  |                      |           | 125.0 | 250.0 | 500.0   | 3,750.0 |                 |                 |
| Capital Levy              | 4,625.0  |                  |                      |           | 125.0 | 250.0 | 500.0   | 3,750.0 |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.17**Division:** Engineering - Arterial Streets**Project Name & Description**

Television Road Widening – Lansdowne Street to Parkhill Road

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

The project involves the widening of Television Road to four lanes from Lansdowne Street to Parkhill Road and the realignment of Television Road at Parkhill Road to County Road 4. Significant property acquisition will be required for the realignment of Television Road between Old Norwood Road and Parkhill Road within the County.

Bridge inspections, which are completed every two years, have identified the crossing of Meade Creek to be of the highest priority.

Following the environmental assessment and reconstruction of the bridge, phase one of the project will commence with detailed design of the ultimate Television Road.

Phase two will involve property acquisitions and utility relocation.

Phase three will involve construction and realignment of the road.

The project is partially funded through the City's Development Charges By-Law.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |                |              |                 | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--|------------------|----------------------|-----------|------|----------------|--------------|-----------------|-----------------|-----------------|
|                           |  |                  |                      | 2022      | 2023 | 2024           | 2025         | 2026            |                 |                 |
| Department                | Infrastructure and Planning Services     |                  |                      |           |      |                |              |                 |                 |                 |
| Division                  | Engineering - Arterial Streets           |                  |                      |           |      |                |              |                 |                 |                 |
| Project Description       | Television Rd - Lansdowne to Parkhill Rd |                  |                      |           |      |                |              |                 |                 |                 |
| Project #                 | 5-9.17                                   |                  |                      |           |      |                |              |                 |                 |                 |
| Expenditures              |  |                  |                      |           |      |                |              |                 |                 |                 |
| Contractual Services      | 40,150.0                                 | 400.0            |                      |           |      | 1,000.0        | 750.0        | 38,000.0        |                 |                 |
| Total Direct Revenue      | <u>40,150.0</u>                          | <u>400.0</u>     |                      |           |      | <u>1,000.0</u> | <u>750.0</u> | <u>38,000.0</u> |                 |                 |
| Net Requirements          | <u>40,150.0</u>                          | <u>400.0</u>     |                      |           |      | <u>1,000.0</u> | <u>750.0</u> | <u>38,000.0</u> |                 |                 |
| To Be Financed From:      |  |                  |                      |           |      |                |              |                 |                 |                 |
| Debentures                |  |                  |                      |           |      |                |              |                 |                 |                 |
| Deb Rev-Tax Supported     | 19,375.0                                 |                  |                      |           |      |                | 375.0        | 19,000.0        |                 |                 |
| DEBT DC-RoadsRelated      | 20,575.0                                 | 200.0            |                      |           |      | 1,000.0        | 375.0        | 19,000.0        |                 |                 |
| Total Debenture Financing | <u>39,950.0</u>                          | <u>200.0</u>     |                      |           |      | <u>1,000.0</u> | <u>750.0</u> | <u>38,000.0</u> |                 |                 |
| Reserves                  |  |                  |                      |           |      |                |              |                 |                 |                 |
| Bridge Reserve            | 200.0                                    | 200.0            |                      |           |      |                |              |                 |                 |                 |
| Total Reserves            | <u>200.0</u>                             | <u>200.0</u>     |                      |           |      |                |              |                 |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.18**Division:** Engineering - Arterial Streets**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

River Road - Hwy7/115 to Lansdowne Street

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

Reconstruction and urbanization of River Road is required to service the area development, and highway traffic from the interchange. The project is identified as a three-lane cross-section roadway providing centre turn lane opportunities for existing entrances. This project would involve pavement, curb and gutter, sidewalk(s), storm sewers, and potential for bike lanes, sanitary sewers, and turning lanes. Sanitary sewers along this section of road will need upgrading and re-routing from private property to the road allowance

Previous funding was used for a detailed sanitary study to identify the best possible means of conveying flows for this area. The remaining funding for the project is intended to improve the road condition and level of service along the north/south arterial street to an urban cross section.

This project is partially funded through the Development Charges Reserve.

Phase One: A detailed sanitary study to review the feasibility of relocating the trunk sanitary sewer from the rear yards of private property.

Phase Two: Utility relocation and property acquisition

Phase Three: Construction

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |   | Project         | Approved    | Requested |      |      |      |      | 2027 to         | 2032 to |
|---------------------------|---|-----------------|-------------|-----------|------|------|------|------|-----------------|---------|
|                           |   | Total           | Pre-2022    | 2022      | 2023 | 2024 | 2025 | 2026 | 2031            | 2046    |
| Department                | Infrastructure and Planning Services      |                 |             |           |      |      |      |      |                 |         |
| Division                  | Engineering - Arterial Streets            |                 |             |           |      |      |      |      |                 |         |
| Project Description       | River Road - Hwy7/115 to Lansdowne Street |                 |             |           |      |      |      |      |                 |         |
| Project #                 | 5-9.18                                    |                 |             |           |      |      |      |      |                 |         |
| Expenditures              |   |                 |             |           |      |      |      |      |                 |         |
| Contractual Services      |   | 20,560.0        | 60.0        |           |      |      |      |      | 20,500.0        |         |
| Total Direct Revenue      |   | <u>20,560.0</u> | <u>60.0</u> |           |      |      |      |      | <u>20,500.0</u> |         |
| Net Requirements          |   | <u>20,560.0</u> | <u>60.0</u> |           |      |      |      |      | <u>20,500.0</u> |         |
| To Be Financed From:      |   |                 |             |           |      |      |      |      |                 |         |
| Debentures                |   |                 |             |           |      |      |      |      |                 |         |
| Deb Rev-Tax Supported     |   | 7,000.0         |             |           |      |      |      |      | 7,000.0         |         |
| DEBT DC-RoadsRelated      |   | 7,000.0         |             |           |      |      |      |      | 7,000.0         |         |
| Total Debenture Financing |   | <u>14,000.0</u> |             |           |      |      |      |      | <u>14,000.0</u> |         |
| Development Charges       |   |                 |             |           |      |      |      |      |                 |         |
| DC - Roads Related        |   | 600.0           |             |           |      |      |      |      | 600.0           |         |
| Total Development Charges |   | <u>600.0</u>    |             |           |      |      |      |      | <u>600.0</u>    |         |
| Reserves                  |   |                 |             |           |      |      |      |      |                 |         |
| Waste Water Reserve       |   | 5,360.0         | 60.0        |           |      |      |      |      | 5,300.0         |         |
| Total Reserves            |   | <u>5,360.0</u>  | <u>60.0</u> |           |      |      |      |      | <u>5,300.0</u>  |         |
| Capital Levy              |   | <u>600.0</u>    |             |           |      |      |      |      | <u>600.0</u>    |         |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.19**Division:** Engineering - Arterial Streets**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Brealey Drive – Sherbrooke Street to Parkhill Road

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This work is identified in the current Development Charges By-Law and is required to reconstruct Brealey Drive to current urban standards. The project is identified as a three-lane cross-section providing center turn lane opportunities for existing entrances. The project will also involve asphalt pavement, concrete curb and gutter, sidewalk(s), bike lanes, storm sewers and turning lanes with signalization.

Phase One: Detailed design

Phase Two: Utility relocation and property acquisition

Phase Three: Construction

This project will proceed upon the completion of the following major reconstruction projects;

Parkhill Road Reconstruction - Ravenwood to Brealey

Sherbrooke Street Reconstruction - Glenforest to Brealey

Brealey Road Reconstruction - Lansdowne to Sherbrooke

Lansdowne Street Reconstruction - Spillsbury to Clonsilla

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--|------------------|----------------------|-----------|------|------|------|--------------|-----------------|-----------------|--|
|                           |  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026         |                 |                 |  |
| Department                | Infrastructure and Planning Services               |                  |                      |           |      |      |      |              |                 |                 |  |
| Division                  | Engineering - Arterial Streets                     |                  |                      |           |      |      |      |              |                 |                 |  |
| Project Description       | Brealey Drive – Sherbrooke Street to Parkhill Road |                  |                      |           |      |      |      |              |                 |                 |  |
| Project #                 | 5-9.19   |                  |                      |           |      |      |      |              |                 |                 |  |
| Expenditures              |  |                  |                      |           |      |      |      |              |                 |                 |  |
| Contractual Services      |  | 13,700.0         |                      |           |      |      |      | 500.0        |                 | 13,200.0        |  |
| Total Direct Revenue      |  | <u>13,700.0</u>  |                      |           |      |      |      | <u>500.0</u> |                 | <u>13,200.0</u> |  |
| Net Requirements          |  | <u>13,700.0</u>  |                      |           |      |      |      | <u>500.0</u> |                 | <u>13,200.0</u> |  |
| To Be Financed From:      |  |                  |                      |           |      |      |      |              |                 |                 |  |
| Debentures                |  |                  |                      |           |      |      |      |              |                 |                 |  |
| Deb Rev-Tax Supported     |  | 9,080.0          |                      |           |      |      |      | 333.3        |                 | 8,746.7         |  |
| Total Debenture Financing |  | <u>9,080.0</u>   |                      |           |      |      |      | <u>333.3</u> |                 | <u>8,746.7</u>  |  |
| Development Charges       |  |                  |                      |           |      |      |      |              |                 |                 |  |
| DC - Roads Related        |  | 4,620.0          |                      |           |      |      |      | 166.7        |                 | 4,453.3         |  |
| Total Development Charges |  | <u>4,620.0</u>   |                      |           |      |      |      | <u>166.7</u> |                 | <u>4,453.3</u>  |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.20**Division:** Engineering - Arterial Streets**Project Name & Description**

Ashburnham Drive – McFarlane Ave to Parkhill Rd

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

This project consists of two phases.

Phase One: The reconstruction and possible realignment of Ashburnham Drive from Maniece Avenue to MacFarlane Avenue.

Phase Two: The additional two-lane extension east of the Trent Canal from MacFarlane Avenue to Parkhill Road East to expand arterial capacity to serve the Liftlock Secondary Plan growth area south of the Old Norwood Road.

The City is undergoing an East Side Transportation Study that will provide additional insight to the use, alignment and timing of the project. A portion of the Liftlock Secondary Plan is contingent on the results of this study for the possible realignment of Ashburnham Road further east away from the Lift Lock/canal.

Following the transportation study, further detail regarding design, property acquisition and construction schedules will be provided in future budgets.

This project is partially funded through the City's Development Charges By-Law.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |       |       |          | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|------------------|----------------------|-----------|------|-------|-------|----------|-----------------|-----------------|
|                           |                                      |                  |                      | 2022      | 2023 | 2024  | 2025  | 2026     |                 |                 |
| Department                | Infrastructure and Planning Services |                  |                      |           |      |       |       |          |                 |                 |
| Division                  | Engineering - Arterial Streets       |                  |                      |           |      |       |       |          |                 |                 |
| Project Description       | Ashburnham - McFarlane to Parkhill   |                  |                      |           |      |       |       |          |                 |                 |
| Project #                 | 5-9.20                               |                  |                      |           |      |       |       |          |                 |                 |
| Expenditures              |                                      |                  |                      |           |      |       |       |          |                 |                 |
| Contractual Services      | 13,250.0                             |                  |                      |           |      | 250.0 | 500.0 | 12,500.0 |                 |                 |
| Total Direct Revenue      | 13,250.0                             |                  |                      |           |      | 250.0 | 500.0 | 12,500.0 |                 |                 |
| Direct Revenue            |                                      |                  |                      |           |      |       |       |          |                 |                 |
| Developer Contributions   | 4,416.7                              |                  |                      |           |      | 84.0  | 166.0 | 4,166.7  |                 |                 |
| Total Direct Revenue      | 4,416.7                              |                  |                      |           |      | 84.0  | 166.0 | 4,166.7  |                 |                 |
| Net Requirements          | 8,833.3                              |                  |                      |           |      | 166.0 | 334.0 | 8,333.3  |                 |                 |
| To Be Financed From:      |                                      |                  |                      |           |      |       |       |          |                 |                 |
| Debentures                |                                      |                  |                      |           |      |       |       |          |                 |                 |
| DEBT DC-RoadsRelated      | 8,833.3                              |                  |                      |           |      | 166.0 | 334.0 | 8,333.3  |                 |                 |
| Total Debenture Financing | 8,833.3                              |                  |                      |           |      | 166.0 | 334.0 | 8,333.3  |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.21**Division:** Engineering - Arterial Streets**Project Name & Description**

Pioneer Road Upgrades Cleantech to County Road 4

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The development of the Cleantech Commons requires ongoing municipal investment to ensure that adequate municipal services are in place to support future employment growth.

Phase one: Construction to service the majority of Cleantech Commons was completed in 2018 from Nassau Mills Road to the west entrance of Cleantech Commons.

**Future Phasing:**

Phase two: To extend external servicing to the east and upgrade Pioneer Road to County Road 4. Design of the remaining road is scheduled for phase two when development demands require this section of road.

Phase Three: Property acquisition and utility relocation

Phase Four: Construction

The project is currently identified in the City's Development Charges By-law.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                           |   |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services        |                  |                      |           |      |      |      |      |                 |                 |
| Division                  | Engineering - Arterial Streets              |                  |                      |           |      |      |      |      |                 |                 |
| Project Description       | Pioneer Road Upgrades Cleantech to Cty Rd 4 |                  |                      |           |      |      |      |      |                 |                 |
| Project #                 | 5-9.21                                      |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures              |   |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services      | 7,000.0                                     |                  |                      |           |      |      |      |      |                 |                 |
| Total Direct Revenue      | 7,000.0                                     |                  |                      |           |      |      |      |      |                 |                 |
| Net Requirements          | 7,000.0                                     |                  |                      |           |      |      |      |      |                 |                 |
| To Be Financed From:      |   |                  |                      |           |      |      |      |      |                 |                 |
| Debentures                |   |                  |                      |           |      |      |      |      |                 |                 |
| DEBT DC-RoadsRelated      | 3,000.0                                     |                  |                      |           |      |      |      |      | 3,000.0         |                 |
| Total Debenture Financing | 3,000.0                                     |                  |                      |           |      |      |      |      | 3,000.0         |                 |
| Reserves                  |   |                  |                      |           |      |      |      |      |                 |                 |
| Waste Water Reserve       | 1,000.0                                     |                  |                      |           |      |      |      |      | 1,000.0         |                 |
| Total Reserves            | 1,000.0                                     |                  |                      |           |      |      |      |      | 1,000.0         |                 |
| Capital Levy              | 3,000.0                                     |                  |                      |           |      |      |      |      | 3,000.0         |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-9.22**Division:** Engineering - Arterial Streets**Project Name & Description**

Carnegie Ave Urbanization - Cumberland Rd to North Condo

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

With the development of both Heritage Park subdivision to the west and the Condo Development to the east, this section of Carnegie Avenue has increased in various modes of transportation. In order to properly provide safe transportation alternative, urbanization of the road is required.

This section of road has been identified in the current development charges study for urbanization. The urbanization of Carnegie Avenue will encourage pedestrians from the road side shoulder to a sidewalk on both sides of the street. Cycling lanes will be reviewed in conjunction with the project, along with potential connectivity to the existing trail to the west and on Cumberland Road.

**Accessibility Considerations**

The project aids in mobility and accessibility.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project        | Approved | Requested |      |      |      |      | 2027 to | 2032 to |  |
|---------------------------|--|----------------|----------|-----------|------|------|------|------|---------|---------|--|
|                           |  | Total          | Pre-2022 | 2022      | 2023 | 2024 | 2025 | 2026 | 2031    | 2046    |  |
| Department                | Infrastructure and Planning Services                     |                |          |           |      |      |      |      |         |         |  |
| Division                  | Engineering - Arterial Streets                           |                |          |           |      |      |      |      |         |         |  |
| Project Description       | Carnegie Ave Urbanization - Cumberland Rd to North Condo |                |          |           |      |      |      |      |         |         |  |
| Project #                 | 5-9.22   |                |          |           |      |      |      |      |         |         |  |
| Expenditures              |  |                |          |           |      |      |      |      |         |         |  |
| Contractual Services      |  | 5,250.0        |          |           |      |      |      |      |         |         |  |
| Total Direct Revenue      |  | <u>5,250.0</u> |          |           |      |      |      |      |         |         |  |
| Net Requirements          |  | <u>5,250.0</u> |          |           |      |      |      |      |         |         |  |
| To Be Financed From:      |  |                |          |           |      |      |      |      |         |         |  |
| Debentures                |  |                |          |           |      |      |      |      |         |         |  |
| Deb Rev-Tax Supported     |  | 2,625.0        |          |           |      |      |      |      |         |         |  |
| Total Debenture Financing |  | <u>2,625.0</u> |          |           |      |      |      |      |         |         |  |
| Development Charges       |  |                |          |           |      |      |      |      |         |         |  |
| DC - Roads Related        |  | 2,625.0        |          |           |      |      |      |      |         |         |  |
| Total Development Charges |  | <u>2,625.0</u> |          |           |      |      |      |      |         |         |  |



**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description   | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |         |         | 2023     |          | 2024     |          | 2025 & After |          |  |
|---|---------|---------------|-------------------|-------------|-----|----------|----------|---------|---------|---------|----------|----------|----------|----------|--------------|----------|--|
|   |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb     | Other   | Total    | Net      | Total    | Net      | Total        | Net      |  |
| Infrastructure and Planning Services<br>Collector and Local Streets |         |               |                   |             |     |          |          |         |         |         |          |          |          |          |              |          |  |
| Pavement Preservation Program                                       | 5-10.01 | 50,550.0      |                   | 4,450.0     |     | 4,450.0  |          |         | 450.0   | 4,000.0 | 5,150.0  | 5,150.0  | 5,250.0  | 5,250.0  | 35,700.0     | 35,700.0 |  |
| Roads Surface Pavement Program 2022                                 | 5-10.02 | 9,300.0       |                   | 1,300.0     |     | 1,300.0  |          |         | 364.4   | 935.6   | 1,000.0  | 1,000.0  | 1,000.0  | 1,000.0  | 6,000.0      | 6,000.0  |  |
| Charlotte St. Aylmer to Park  | 5-10.03 | 6,910.0       | 960.0             | 500.0       |     | 500.0    |          |         | 500.0   |         | 2,200.0  | 2,200.0  | 2,200.0  | 2,200.0  | 1,050.0      | 1,050.0  |  |
| LED Decorative Street Lighting Retrofit                             | 5-10.04 | 750.0         | 375.0             | 375.0       |     | 375.0    |          |         | 375.0   |         |          |          |          |          |              |          |  |
| Street Light Infrastructure Program                                 | 5-10.05 | 1,950.0       | 600.0             | 100.0       |     | 100.0    | 100.0    |         |         |         | 150.0    | 150.0    | 150.0    | 150.0    | 950.0        | 950.0    |  |
| Charlotte Street Renewal - Aylmer to Water                          | 5-10.06 | 7,600.0       |                   |             |     |          |          |         |         |         | 3,000.0  | 3,000.0  | 2,500.0  | 2,500.0  | 2,100.0      | 2,100.0  |  |
| Briarhill Road Reconstruction                                       | 5-10.07 | 1,100.0       |                   |             |     |          |          |         |         |         | 1,100.0  | 1,100.0  |          |          |              |          |  |
| Rail Crossing Removals  | 5-10.08 | 1,005.0       | 105.0             |             |     |          |          |         |         |         | 100.0    | 100.0    | 100.0    | 100.0    | 700.0        | 700.0    |  |
| Webber & Rye Urbanization   | 5-10.09 | 7,900.0       | 500.0             |             |     |          |          |         |         |         |          |          |          |          | 7,400.0      | 7,400.0  |  |
| Victoria Ave Reconstruction   | 5-10.10 | 3,066.0       | 66.0              |             |     |          |          |         |         |         |          |          |          |          | 3,000.0      | 2,000.0  |  |
| Total   |         | 90,131.0      | 2,606.0           | 6,725.0     |     | 6,725.0  | 100.0    |         | 1,689.4 | 4,935.6 | 12,700.0 | 12,700.0 | 11,200.0 | 11,200.0 | 56,900.0     | 55,900.0 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-10.01**Division:** Engineering - Collector and Local Streets**Project Name & Description**

Pavement Preservation Program

**Commitments Made**

On April 7, 2014, Council adopted Report USEC14-005 authorizing an increase in both the capital and operating budgets related to pavement preservation.

**Effects on Future Operating Budgets**

Reduction in long-term operating costs due to new road surfaces.

**Project Detail, Justification & Reference Map**

The Pavement Preservation Program is identified through the City's overall Road Needs Study. This program involves roads where the sub surface critical infrastructure components are in relatively good condition and the intention is to extent the life cycle of the road assembly. The sub surface components include sanitary and water conveyance, natural gas and electrical components, communication components, stormwater infrastructure etc. This program extends the life of these critical infrastructure components by ensuring the protective road surface remains intact. Road and associated surface features protect the underground utilities and essential infrastructure from water infiltration. The preventative maintenance program involves;

- adjustment of road structures
- repairs to ensure alignment of road surface with curbs/gutters
- pavement resurfacing and crack sealing

The program will also include re-inspecting portions of the City's road network. Re-inspection information will be utilized for subsequent road programs.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                  |   | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------------------|---|------------------|----------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
|                                  |   |                  |                      | 2022           | 2023           | 2024           | 2025           | 2026           |                 |                 |
| Department                       | Infrastructure and Planning Services      |                  |                      |                |                |                |                |                |                 |                 |
| Division                         | Engineering - Collector and Local Streets |                  |                      |                |                |                |                |                |                 |                 |
| Project Description              | Pavement Preservation Program             |                  |                      |                |                |                |                |                |                 |                 |
| Project #                        | 5-10.01                                   |                  |                      |                |                |                |                |                |                 |                 |
| Expenditures                     |   |                  |                      |                |                |                |                |                |                 |                 |
| Contractual Services             |   | 50,550.0         |                      | 4,450.0        | 5,150.0        | 5,250.0        | 5,450.0        | 5,650.0        | 24,600.0        |                 |
| Total Direct Revenue             |   | <u>50,550.0</u>  |                      | <u>4,450.0</u> | <u>5,150.0</u> | <u>5,250.0</u> | <u>5,450.0</u> | <u>5,650.0</u> | <u>24,600.0</u> |                 |
| Net Requirements                 |   | <u>50,550.0</u>  |                      | <u>4,450.0</u> | <u>5,150.0</u> | <u>5,250.0</u> | <u>5,450.0</u> | <u>5,650.0</u> | <u>24,600.0</u> |                 |
| To Be Financed From:             |   |                  |                      |                |                |                |                |                |                 |                 |
| Debentures                       |   |                  |                      |                |                |                |                |                |                 |                 |
| Deb Rev-Tax Supported            |   | 14,550.0         |                      | 450.0          | 1,150.0        | 1,250.0        | 1,450.0        | 1,650.0        | 8,600.0         |                 |
| Total Debenture Financing        |   | <u>14,550.0</u>  |                      | <u>450.0</u>   | <u>1,150.0</u> | <u>1,250.0</u> | <u>1,450.0</u> | <u>1,650.0</u> | <u>8,600.0</u>  |                 |
| Reserves                         |   |                  |                      |                |                |                |                |                |                 |                 |
| Canada Community-Build Fund (FGT |   | 36,000.0         |                      | 4,000.0        | 4,000.0        | 4,000.0        | 4,000.0        | 4,000.0        | 16,000.0        |                 |
| Total Reserves                   |   | <u>36,000.0</u>  |                      | <u>4,000.0</u> | <u>4,000.0</u> | <u>4,000.0</u> | <u>4,000.0</u> | <u>4,000.0</u> | <u>16,000.0</u> |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-10.02**Division:** Engineering - Collector and Local Streets**Project Name & Description**

Road Surface Pavement Program

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

A Pavement Condition Index (PCI) has been created for each road section based on field data collected. The road assessment data will be used for prioritization of roads for the program in future budget years. Based on the Pavement Condition Index and Pavement Deterioration Models, various pavement management categories are assigned to each road section to determine the overall best maintenance and rehabilitation planning scenario.

This program involves short term repairs and only addresses the surface pavement from gutter-gutter or road edge-road-edge. The program does not address re-alignment of the road surface with curbs/gutters or inspection/repair of storm sewer features

In 2020 (December 9, 2019, Report IPSENG19-042 Pilot Roads Program for 2020), staff allocated \$1M of one-time increase in Federal Gas Tax Funding to provide short-term repairs to four "roads in most need" (PCI under 5). In 2021 the approved funding for the Road Surface Pavement Program was allocated approximately equally between the five City Wards.

For 2022, roads will be prioritized for a continuation of the surface repair program, pending available funding and will again be allocated City-wide.

Roads with a PCI of less than 25 are generally slated to be reconstructed. If the time frame to re-construct the road is too long, these roads may be considered for resurfacing.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |   | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------------|---|------------------|----------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
|                                   |   |                  |                      | 2022           | 2023           | 2024           | 2025           | 2026           |                 |                 |
| Department                        | Infrastructure and Planning Services      |                  |                      |                |                |                |                |                |                 |                 |
| Division                          | Engineering - Collector and Local Streets |                  |                      |                |                |                |                |                |                 |                 |
| Project Description               | Roads Surface Pavement Program 2022       |                  |                      |                |                |                |                |                |                 |                 |
| Project #                         | 5-10.02                                   |                  |                      |                |                |                |                |                |                 |                 |
| Expenditures                      |   |                  |                      |                |                |                |                |                |                 |                 |
| Contractual Services              |   | 9,300.0          |                      | 1,300.0        | 1,000.0        | 1,000.0        | 1,000.0        | 1,000.0        | 4,000.0         |                 |
| Total Direct Revenue              |   | <u>9,300.0</u>   |                      | <u>1,300.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>4,000.0</u>  |                 |
| Net Requirements                  |   | <u>9,300.0</u>   |                      | <u>1,300.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>4,000.0</u>  |                 |
| To Be Financed From:              |   |                  |                      |                |                |                |                |                |                 |                 |
| Debentures                        |   |                  |                      |                |                |                |                |                |                 |                 |
| Deb Rev-Tax Supported             |   | 8,364.4          |                      | 364.4          | 1,000.0        | 1,000.0        | 1,000.0        | 1,000.0        | 4,000.0         |                 |
| Total Debenture Financing         |   | <u>8,364.4</u>   |                      | <u>364.4</u>   | <u>1,000.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>1,000.0</u> | <u>4,000.0</u>  |                 |
| Reserves                          |   |                  |                      |                |                |                |                |                |                 |                 |
| Canada Community-Build Fund (FGT) |   | 935.6            |                      | 935.6          |                |                |                |                |                 |                 |
| Total Reserves                    |   | <u>935.6</u>     |                      | <u>935.6</u>   |                |                |                |                |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-10.03**Division:** Engineering - Collector and Local Streets**Project Name & Description**

Charlotte Street from Aylmer Street to Park Street

**Commitments Made**

The Enhanced Pedestrian Realm with Enhanced Commercial Features and Parking Streetscape design of Charlotte Street from Aylmer Street to Park Street was approved by Council at its meeting of June 5, 2017 in considering Report USDIR17-004.

Council has requested revisions to the project to add cycling facilities to the design of this project.

**Effects on Future Operating Budgets**

Increased operating expenses due to increased infrastructure.

**Project Detail, Justification & Reference Map**

Charlotte Street is constrained by a 20m right-of-way with many existing buildings built up to the right-of-way boundary with no setback. The most important concepts for the project are:

- Reconstruction of sidewalks to accommodate a clear zone and landscaping;
- Two vehicle lanes, one in each direction;
- Parking maintained where possible;
- Introduction of new street trees and decorative light fixtures;
- Enhancements to sidewalk and public realm along the amenity zones
- Enhanced connection to the proposed Louis Street Urban Park.

This project will be considered with the Bethune Street Reconstruction, the design of the Charlotte Street Renewal project from Aylmer Street to Water Street and the creation of downtown urban park strategies for the approved Central Area Master Plan. The planned reconstruction of Charlotte Street will stimulate renewal in the Downtown Core and the Charlotte Street West Business District.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |                |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|--------------|----------------|----------------|----------------|------|-----------------|-----------------|
|                           |   |                  |                      | 2022         | 2023           | 2024           | 2025           | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services      |                  |                      |              |                |                |                |      |                 |                 |
| Division                  | Engineering - Collector and Local Streets |                  |                      |              |                |                |                |      |                 |                 |
| Project Description       | Charlotte St. Aylmer to Park              |                  |                      |              |                |                |                |      |                 |                 |
| Project #                 | 5-10.03                                   |                  |                      |              |                |                |                |      |                 |                 |
| Expenditures              |   |                  |                      |              |                |                |                |      |                 |                 |
| Contractual Services      |   | 6,910.0          | 960.0                | 500.0        | 2,200.0        | 2,200.0        | 1,050.0        |      |                 |                 |
| Net Requirements          |   | <u>6,910.0</u>   | <u>960.0</u>         | <u>500.0</u> | <u>2,200.0</u> | <u>2,200.0</u> | <u>1,050.0</u> |      |                 |                 |
| To Be Financed From:      |   |                  |                      |              |                |                |                |      |                 |                 |
| Debentures                |   |                  |                      |              |                |                |                |      |                 |                 |
| Deb Rev-Tax Supported     |   | 6,910.0          | 960.0                | 500.0        | 2,200.0        | 2,200.0        | 1,050.0        |      |                 |                 |
| Total Debenture Financing |   | <u>6,910.0</u>   | <u>960.0</u>         | <u>500.0</u> | <u>2,200.0</u> | <u>2,200.0</u> | <u>1,050.0</u> |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-10.04**Division:** Engineering - Collector and Local Streets**Climate Mitigation:** Yes**Project Name & Description**

LED Decorative Street Lighting Retrofit

**Commitments Made**

In 2017, Report USEC 17-008 recommended the Light Emitting Diode (LED) retrofit of all City streetlights.

**Effects on Future Operating Budgets**

Reduced operating due to energy cost reductions associated with LED technology and reduced staff time to maintain the network with adaptive control.

**Project Detail, Justification & Reference Map**

The LED retrofit project is being implemented with the aid of the Local Authority Service (LAS). LAS is a wholly owned not-for-profit subsidiary company of the Association of Municipalities of Ontario (AMO). LAS helps the broader public sector “realize lower costs, higher revenues, and enhanced staff capacity, through co-operative procurement efforts and innovative training, programs, and services”.

The retrofit of 7,500 standard cobra-head light fixtures began in 2018 and was completed in 2019 resulting in over 3,000,000 kWh savings (~50% energy reduction). This project will advance the 3,000 decorative light fixtures the City owns and operates to further realize ongoing operational savings for the City's streetlight network.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---|------------------|----------------------|--------------|------|------|------|------|-----------------|-----------------|--|
|                           |   |                  |                      | 2022         | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services      |                  |                      |              |      |      |      |      |                 |                 |  |
| Division                  | Engineering - Collector and Local Streets |                  |                      |              |      |      |      |      |                 |                 |  |
| Project Description       | LED Decorative Street Lighting Retrofit   |                  |                      |              |      |      |      |      |                 |                 |  |
| Project #                 | 5-10.04                                   |                  |                      |              |      |      |      |      |                 |                 |  |
| Expenditures              |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Contractual Services      |   | 750.0            | 375.0                | 375.0        |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>750.0</u>     | <u>375.0</u>         | <u>375.0</u> |      |      |      |      |                 |                 |  |
| Net Requirements          |   | <u>750.0</u>     | <u>375.0</u>         | <u>375.0</u> |      |      |      |      |                 |                 |  |
| To Be Financed From:      |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Debentures                |   |                  |                      |              |      |      |      |      |                 |                 |  |
| Debenture - Other Support |   | 750.0            | 375.0                | 375.0        |      |      |      |      |                 |                 |  |
| Total Debenture Financing |   | <u>750.0</u>     | <u>375.0</u>         | <u>375.0</u> |      |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-10.05

**Division:** Engineering - Collector and Local Streets

**Project Name & Description**

Street Light Infrastructure Program

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The City's inspection program identified an upgrade to the street light infrastructure is needed. A large percentage of the existing street light infrastructure is approaching or has passed its useful life. This program will address deficiencies related to streetlight poles, arms, and undergrounds.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Infrastructure and Planning Services      |                  |                      |              |              |              |              |              |                 |                 |  |
| Division             | Engineering - Collector and Local Streets |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description  | Street Light Infrastructure Program       |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #            | 5-10.05                                   |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures         |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services |   | 1,950.0          | 600.0                | 100.0        | 150.0        | 150.0        | 200.0        | 150.0        | 600.0           |                 |  |
| Net Requirements     |   | <u>1,950.0</u>   | <u>600.0</u>         | <u>100.0</u> | <u>150.0</u> | <u>150.0</u> | <u>200.0</u> | <u>150.0</u> | <u>600.0</u>    |                 |  |
| To Be Financed From: |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Capital Levy         |   | <u>1,950.0</u>   | <u>600.0</u>         | <u>100.0</u> | <u>150.0</u> | <u>150.0</u> | <u>200.0</u> | <u>150.0</u> | <u>600.0</u>    |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-10.06**Division:** Engineering - Collector and Local Streets**Project Name & Description**

Charlotte Street Renewal - Aylmer to Water

**Commitments Made****Effects on Future Operating Budgets**

The project will impact future parking revenues.

**Project Detail, Justification & Reference Map**

The Central Area Master Plan defines a number of measures to promote downtown Peterborough's role as a diverse and vibrant component of the city's overall commercial structure. The renewal of Charlotte Street and the creation of a downtown urban park are key strategies. The Louis Street site was selected as the preferred site for the creation of an urban park to complement the planned reconstruction of Charlotte Street and to stimulate renewal in the Downtown Core and the Charlotte Street West Business District.

In September of 2016, Council approved the purchase of 220 King Street to support the development of the Urban Park (PLPD16-069).

The scope of the renewal project has changed since first planned, as the portion of Charlotte Street from Park Street to Aylmer Street is now part of the Bethune Street Storm Sewer Project. The portion from Aylmer Street to Water Street will be coordinated with the Louis Street Urban Park as well as the Charlotte Street project from Aylmer Street to Park Street and will include streetscape improvements on the east side of George Street in front of Market Hall.

**Accessibility Considerations**

Streetscape improvements and the Urban Park will adhere to the City's access guidelines and emerging provincial standards to ensure full accessibility and safety.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |                |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--|------------------|----------------------|-----------|----------------|----------------|----------------|------|-----------------|-----------------|
|                           |  |                  |                      | 2022      | 2023           | 2024           | 2025           | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services       |                  |                      |           |                |                |                |      |                 |                 |
| Division                  | Engineering - Collector and Local Streets  |                  |                      |           |                |                |                |      |                 |                 |
| Project Description       | Charlotte Street Renewal - Aylmer to Water |                  |                      |           |                |                |                |      |                 |                 |
| Project #                 | 5-10.06                                    |                  |                      |           |                |                |                |      |                 |                 |
| Expenditures              |  |                  |                      |           |                |                |                |      |                 |                 |
| Contractual Services      |  | 7,600.0          |                      |           | 3,000.0        | 2,500.0        | 2,100.0        |      |                 |                 |
| Total Direct Revenue      |  | <u>7,600.0</u>   |                      |           | <u>3,000.0</u> | <u>2,500.0</u> | <u>2,100.0</u> |      |                 |                 |
| Net Requirements          |  | <u>7,600.0</u>   |                      |           | <u>3,000.0</u> | <u>2,500.0</u> | <u>2,100.0</u> |      |                 |                 |
| To Be Financed From:      |  |                  |                      |           |                |                |                |      |                 |                 |
| Debentures                |  |                  |                      |           |                |                |                |      |                 |                 |
| Deb Rev-Tax Supported     |  | 7,600.0          |                      |           | 3,000.0        | 2,500.0        | 2,100.0        |      |                 |                 |
| Total Debenture Financing |  | <u>7,600.0</u>   |                      |           | <u>3,000.0</u> | <u>2,500.0</u> | <u>2,100.0</u> |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-10.07**Division:** Engineering - Collector and Local Streets**Project Name & Description**

Briarhill Road Reconstruction

**Commitments Made**

Report USTR18-009 included a recommendation that, subject to future Capital Budget approval, Briarhill Road be reconstructed to provide an urban section with a sidewalk on the north side from Wallis Drive to the east end of the street connecting with the walkway to Westmount Public School.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Over the last several years, staff have received multiple requests for sidewalks on Briarhill Road for children walking to school. These sidewalks rank Priority 3 and 4 respectively in the Sidewalk Strategic Plan, but have a high number of students who use the road to get to and from school. The street is also used by parents to drop-off and pick-up their children by vehicle, creating periods of vehicle congestion on this otherwise quiet street.

This project will facilitate the reconstruction of Briarhill Road to an urban cross section with sanitary and storm sewers and a concrete sidewalk on the north side of the road, to provide a safe place for students to walk.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |                |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|----------------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023           | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services      |                  |                      |           |                |      |      |      |                 |                 |
| Division             | Engineering - Collector and Local Streets |                  |                      |           |                |      |      |      |                 |                 |
| Project Description  | Briarhill Road Reconstruction             |                  |                      |           |                |      |      |      |                 |                 |
| Project #            | 5-10.07                                   |                  |                      |           |                |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |           |                |      |      |      |                 |                 |
| Contractual Services |   | 1,100.0          |                      |           | 1,100.0        |      |      |      |                 |                 |
| Total Direct Revenue |   | <u>1,100.0</u>   |                      |           | <u>1,100.0</u> |      |      |      |                 |                 |
| Net Requirements     |   | <u>1,100.0</u>   |                      |           | <u>1,100.0</u> |      |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |           |                |      |      |      |                 |                 |
| Reserves             |   |                  |                      |           |                |      |      |      |                 |                 |
| Waste Water Reserve  |   | 550.0            |                      |           | 550.0          |      |      |      |                 |                 |
| Total Reserves       |   | <u>550.0</u>     |                      |           | <u>550.0</u>   |      |      |      |                 |                 |
| Capital Levy         |   | <u>550.0</u>     |                      |           | <u>550.0</u>   |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-10.08**Division:** Engineering - Collector and Local Streets**Project Name & Description**

Rail Crossing Removals

**Commitments Made****Effects on Future Operating Budgets**

No effects on future operating.

**Project Detail, Justification & Reference Map**

With the decommissioning of existing rail lines throughout the City, the intersection of the railway and City roads can now be reconstructed to remove the rail lines. Some crossings will require a detailed review and design prior to removal.

Of the 20 recent decommissioned rail and road intersections that resulted when the City acquired the rail spurs, 11 locations have received some form of rehabilitation or interim surface treatment. Nine remaining locations need to be addressed.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department           | Infrastructure and Planning Services      |                  |                      |           |              |              |              |              |                 |                 |
| Division             | Engineering - Collector and Local Streets |                  |                      |           |              |              |              |              |                 |                 |
| Project Description  | Rail Crossing Removals                    |                  |                      |           |              |              |              |              |                 |                 |
| Project #            | 5-10.08                                   |                  |                      |           |              |              |              |              |                 |                 |
| Expenditures         |   |                  |                      |           |              |              |              |              |                 |                 |
| Contractual Services |   | 1,005.0          | 105.0                |           | 100.0        | 100.0        | 100.0        | 100.0        | 500.0           |                 |
| Total Direct Revenue |   | <u>1,005.0</u>   | <u>105.0</u>         |           | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>500.0</u>    |                 |
| Net Requirements     |   | <u>1,005.0</u>   | <u>105.0</u>         |           | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>500.0</u>    |                 |
| To Be Financed From: |   |                  |                      |           |              |              |              |              |                 |                 |
| Capital Levy         |   | <u>1,005.0</u>   | <u>105.0</u>         |           | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>500.0</u>    |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-10.09

**Division:** Engineering - Collector and Local Streets

### Project Name & Description

Webber Avenue and Rye Street Urbanization

### Commitments Made

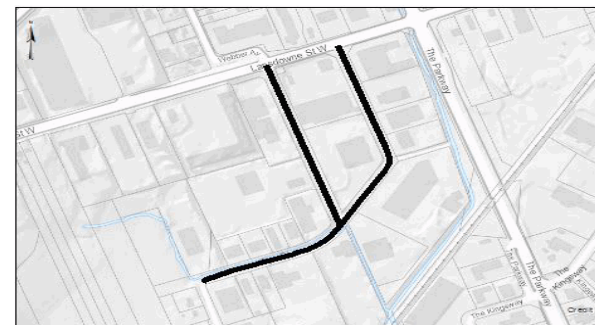
### Effects on Future Operating Budgets

### Project Detail, Justification & Reference Map

Given the development along Rye Street and final Environmental Study Report approval of the Crawford Drive to Harper Road extension, it is recommended to complete the curb and gutter installation on portions of Webber Avenue and Rye Street and address stormwater concerns along this route.

The sensitivity of the cold-water fishery, that runs along roadside ditches in the area, required an Environmental Assessment (EA) to best address this existing condition. This EA has been initiated; however, it has been placed on hold until such time as the Harper Park Secondary Plan is updated. Key information required is a Natural Heritage study and Subwatershed study to inform the secondary plan and subsequently this project. This work is in progress with the draft subwatershed characterization report complete.

Future work will depend on the approval of the EA and recommendations of the Environmental Study Report.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project        | Approved     | Requested |      |      |      |              | 2027 to        | 2032 to |  |
|---------------------------|---|----------------|--------------|-----------|------|------|------|--------------|----------------|---------|--|
|                           |   | Total          | Pre-2022     | 2022      | 2023 | 2024 | 2025 | 2026         | 2031           | 2046    |  |
| Department                | Infrastructure and Planning Services      |                |              |           |      |      |      |              |                |         |  |
| Division                  | Engineering - Collector and Local Streets |                |              |           |      |      |      |              |                |         |  |
| Project Description       | Webber & Rye Urbanization                 |                |              |           |      |      |      |              |                |         |  |
| Project #                 | 5-10.09                                   |                |              |           |      |      |      |              |                |         |  |
| Expenditures              |   |                |              |           |      |      |      |              |                |         |  |
| Contractual Services      |   | 7,900.0        | 500.0        |           |      |      |      | 500.0        | 6,900.0        |         |  |
| Total Direct Revenue      |   | <u>7,900.0</u> | <u>500.0</u> |           |      |      |      | <u>500.0</u> | <u>6,900.0</u> |         |  |
| Net Requirements          |   | <u>7,900.0</u> | <u>500.0</u> |           |      |      |      | <u>500.0</u> | <u>6,900.0</u> |         |  |
| To Be Financed From:      |   |                |              |           |      |      |      |              |                |         |  |
| Debentures                |   |                |              |           |      |      |      |              |                |         |  |
| Deb Rev-Tax Supported     |   | 5,600.0        | 400.0        |           |      |      |      | 400.0        | 4,800.0        |         |  |
| Total Debenture Financing |   | <u>5,600.0</u> | <u>400.0</u> |           |      |      |      | <u>400.0</u> | <u>4,800.0</u> |         |  |
| Reserves                  |   |                |              |           |      |      |      |              |                |         |  |
| Waste Water Reserve       |   | 2,300.0        | 100.0        |           |      |      |      | 100.0        | 2,100.0        |         |  |
| Total Reserves            |   | <u>2,300.0</u> | <u>100.0</u> |           |      |      |      | <u>100.0</u> | <u>2,100.0</u> |         |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-10.10

**Division:** Engineering - Collector and Local Streets

### Project Name & Description

Victoria Avenue Reconstruction

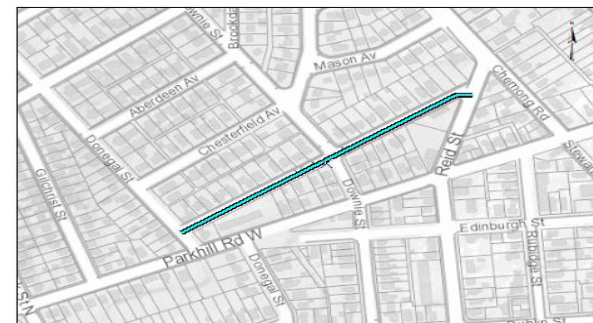
### Commitments Made

### Effects on Future Operating Budgets

### Project Detail, Justification & Reference Map

The PUC is replacing their watermain on Victoria Avenue and the City will work in conjunction with PUC by reconstructing Victoria Avenue from Donegal Street to Reid Street. The narrow right of way and reduced setbacks will not allow for a typical cross section. The reconstruction will address storm and sanitary requirements as well as the PUC watermain and City asset surface works.

Prior approved funding was requested to review the challenges with the reduced right-of-way. Alternatives will be explored and construction is proposed for 2026.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project | Approved | Requested |      |      |       |         | 2027 to | 2032 to |  |
|----------------------|---|---------|----------|-----------|------|------|-------|---------|---------|---------|--|
|                      |   | Total   | Pre-2022 | 2022      | 2023 | 2024 | 2025  | 2026    | 2031    | 2046    |  |
| Department           | Infrastructure and Planning Services      |         |          |           |      |      |       |         |         |         |  |
| Division             | Engineering - Collector and Local Streets |         |          |           |      |      |       |         |         |         |  |
| Project Description  | Victoria Ave Reconstruction               |         |          |           |      |      |       |         |         |         |  |
| Project #            | 5-10.10                                   |         |          |           |      |      |       |         |         |         |  |
| Expenditures         |   |         |          |           |      |      |       |         |         |         |  |
| Contractual Services |   | 3,066.0 | 66.0     |           |      |      | 300.0 | 2,700.0 |         |         |  |
| Direct Revenue       |   |         |          |           |      |      |       |         |         |         |  |
| do Not use           |   | 1,000.0 |          |           |      |      | 100.0 | 900.0   |         |         |  |
| Total Direct Revenue |   | 1,000.0 |          |           |      |      | 100.0 | 900.0   |         |         |  |
| Net Requirements     |   | 2,066.0 | 66.0     |           |      |      | 200.0 | 1,800.0 |         |         |  |
| To Be Financed From: |   |         |          |           |      |      |       |         |         |         |  |
| Reserves             |   |         |          |           |      |      |       |         |         |         |  |
| Waste Water Reserve  |   | 1,000.0 |          |           |      |      | 100.0 | 900.0   |         |         |  |
| Total Reserves       |   | 1,000.0 |          |           |      |      | 100.0 | 900.0   |         |         |  |
| Capital Levy         |   | 1,066.0 | 66.0     |           |      |      | 100.0 | 900.0   |         |         |  |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                             | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |         |       | 2023    |         | 2024    |         | 2025 & After |          |
|---|---------|---------------|-------------------|-------------|-----|----------|----------|---------|---------|-------|---------|---------|---------|---------|--------------|----------|
|   |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb     | Other | Total   | Net     | Total   | Net     | Total        | Net      |
| Infrastructure and Planning Services<br>Bridges |         |               |                   |             |     |          |          |         |         |       |         |         |         |         |              |          |
| Simcoe Street Culvert at Parking Garage         | 5-11.01 | 3,000.0       | 1,500.0           | 1,500.0     |     | 1,500.0  |          |         | 1,400.0 | 100.0 |         |         |         |         |              |          |
| Television Road Bridge over South Meade Creek   | 5-11.02 | 6,000.0       | 200.0             | 500.0       |     | 500.0    |          |         | 250.0   | 250.0 | 5,300.0 | 5,300.0 |         |         |              |          |
| OSIM Bridge Preventative Maintenance Program    | 5-11.03 | 11,101.2      | 2,351.2           |             |     |          |          |         |         |       |         |         | 1,250.0 | 1,250.0 | 7,500.0      | 7,500.0  |
| Nassau Mills Bridge over Otonabee River         | 5-11.04 | 11,820.0      | 300.0             |             |     |          |          |         |         |       |         |         | 1,000.0 | 1,000.0 | 10,520.0     | 10,520.0 |
| Nassau Mills Bridge over Trent Severn           | 5-11.05 | 9,550.0       | 300.0             |             |     |          |          |         |         |       |         |         |         |         | 9,250.0      | 9,250.0  |
| Total   |         | 41,471.2      | 4,651.2           | 2,000.0     |     | 2,000.0  |          |         | 1,650.0 | 350.0 | 5,300.0 | 5,300.0 | 2,250.0 | 2,250.0 | 27,270.0     | 27,270.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-11.01**Division:** Engineering - Bridges**Climate Adaptation:** Yes**Project Name & Description**

Simcoe Street Culvert at Parking Garage

**Commitments Made**

The 2021 budget included a pre-commitment of \$1.5 million of 2022 Capital funding for this project.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The structural integrity, safety and condition of every bridge is determined through the performance of at least one inspection every two years under the direction of a professional engineer and in accordance with the Ontario Structure Inspection Manual (OSIM), published by the Ministry of Transportation (O. Reg. 160/02, s. 2 (2)).

The Jackson Creek Culvert under the Simcoe Street Parking garage is one of the structures in most need as identified by the 2018 and 2020 OSIM Reports. The structure is difficult to access creating poor constructability conditions for the rehabilitation work. The opportunity to coordinate the work with the Simcoe Street Parking garage rehabilitation provides the required access.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested      |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|----------------|------|------|------|------|-----------------|-----------------|
|                           |   |                  |                      | 2022           | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services    |                  |                      |                |      |      |      |      |                 |                 |
| Division                  | Engineering - Bridges                   |                  |                      |                |      |      |      |      |                 |                 |
| Project Description       | Simcoe Street Culvert at Parking Garage |                  |                      |                |      |      |      |      |                 |                 |
| Project #                 | 5-11.01                                 |                  |                      |                |      |      |      |      |                 |                 |
| Expenditures              |   |                  |                      |                |      |      |      |      |                 |                 |
| Contractual Services      |   | 3,000.0          | 1,500.0              | 1,500.0        |      |      |      |      |                 |                 |
| Total Direct Revenue      |   | <u>3,000.0</u>   | <u>1,500.0</u>       | <u>1,500.0</u> |      |      |      |      |                 |                 |
| Net Requirements          |   | <u>3,000.0</u>   | <u>1,500.0</u>       | <u>1,500.0</u> |      |      |      |      |                 |                 |
| To Be Financed From:      |   |                  |                      |                |      |      |      |      |                 |                 |
| Debentures                |   |                  |                      |                |      |      |      |      |                 |                 |
| Deb Rev-Tax Supported     |   | 2,900.0          | 1,500.0              | 1,400.0        |      |      |      |      |                 |                 |
| Total Debenture Financing |   | <u>2,900.0</u>   | <u>1,500.0</u>       | <u>1,400.0</u> |      |      |      |      |                 |                 |
| Reserves                  |   |                  |                      |                |      |      |      |      |                 |                 |
| Bridge Reserve            |   | 100.0            |                      | 100.0          |      |      |      |      |                 |                 |
| Total Reserves            |   | <u>100.0</u>     |                      | <u>100.0</u>   |      |      |      |      |                 |                 |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-11.02**Division:** Engineering - Bridges**Climate Adaptation:** Yes**Project Name & Description**

Television Road Bridge over South Meade Creek

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

Bridge inspections, which are completed every two years, have identified the Television Road crossing of South Meade Creek to be of the highest priority.

This project is a continuation of the environmental assessment initiated under the Television Road - Lansdowne Rd to Parkhill Rd project and includes the design and construction of a new bridge. This project has been separated from the general OSIM Bridge Preventive Maintenance Program.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |                |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---|------------------|----------------------|--------------|----------------|------|------|------|-----------------|-----------------|--|
|                           |   |                  |                      | 2022         | 2023           | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services          |                  |                      |              |                |      |      |      |                 |                 |  |
| Division                  | Engineering - Bridges                         |                  |                      |              |                |      |      |      |                 |                 |  |
| Project Description       | Television Road Bridge over South Meade Creek |                  |                      |              |                |      |      |      |                 |                 |  |
| Project #                 | 5-11.02                                       |                  |                      |              |                |      |      |      |                 |                 |  |
| Expenditures              |   |                  |                      |              |                |      |      |      |                 |                 |  |
| Contractual Services      |   | 6,000.0          | 200.0                | 500.0        | 5,300.0        |      |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>6,000.0</u>   | <u>200.0</u>         | <u>500.0</u> | <u>5,300.0</u> |      |      |      |                 |                 |  |
| Net Requirements          |   | <u>6,000.0</u>   | <u>200.0</u>         | <u>500.0</u> | <u>5,300.0</u> |      |      |      |                 |                 |  |
| To Be Financed From:      |   |                  |                      |              |                |      |      |      |                 |                 |  |
| Debentures                |   |                  |                      |              |                |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |   | 2,750.0          | 100.0                |              | 2,650.0        |      |      |      |                 |                 |  |
| DEBT DC-RoadsRelated      |   | 3,000.0          | 100.0                | 250.0        | 2,650.0        |      |      |      |                 |                 |  |
| Total Debenture Financing |   | <u>5,750.0</u>   | <u>200.0</u>         | <u>250.0</u> | <u>5,300.0</u> |      |      |      |                 |                 |  |
| Reserves                  |   |                  |                      |              |                |      |      |      |                 |                 |  |
| Bridge Reserve            |   | 250.0            |                      | 250.0        |                |      |      |      |                 |                 |  |
| Total Reserves            |   | <u>250.0</u>     |                      | <u>250.0</u> |                |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-11.03**Division:** Engineering - Bridges**Project Name & Description**

OSIM Bridge Preventative Maintenance Program

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The structural integrity, safety and condition of every bridge is determined through the performance of at least one inspection every two years under the direction of a professional engineer and in accordance with the Ontario Structure Inspection Manual (OSIM), published by the Ministry of Transportation (O. Reg. 160/02, s. 2 (2)).

The long-term planning of our bridge assets capital program is essential in delivering a reliable and safe crossing to residents and goods through the City. This project reflects the annual funds required as proposed in the OSIM bridge inspection report for the rehabilitation of our structures over the next ten years. Amounts for 2021 and 2022 have been directed into two specific priority projects: Simcoe St. Culvert and Television Road over South Meade Creek.

Following the condition inspection, City staff developed a capital program that reflects the needs identified to maintain our structures in good repair. On average, the project funds accommodate the major rehabilitation of 1-3 structures per year and minor rehabilitation to several others.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested |                |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--|------------------|----------------------|-----------|----------------|----------------|----------------|----------------|-----------------|-----------------|
|                      |  |                  |                      | 2022      | 2023           | 2024           | 2025           | 2026           |                 |                 |
| Department           | Infrastructure and Planning Services         |                  |                      |           |                |                |                |                |                 |                 |
| Division             | Engineering - Bridges                        |                  |                      |           |                |                |                |                |                 |                 |
| Project Description  | OSIM Bridge Preventative Maintenance Program |                  |                      |           |                |                |                |                |                 |                 |
| Project #            | 5-11.03                                      |                  |                      |           |                |                |                |                |                 |                 |
| Expenditures         |  |                  |                      |           |                |                |                |                |                 |                 |
| Contractual Services | 11,101.2                                     | 2,351.2          |                      |           | 1,250.0        | 1,250.0        | 1,250.0        | 5,000.0        |                 |                 |
| Net Requirements     | <u>11,101.2</u>                              | <u>2,351.2</u>   |                      |           | <u>1,250.0</u> | <u>1,250.0</u> | <u>1,250.0</u> | <u>5,000.0</u> |                 |                 |
| To Be Financed From: |  |                  |                      |           |                |                |                |                |                 |                 |
| Reserves             |  |                  |                      |           |                |                |                |                |                 |                 |
| Bridge Reserve       | 1,721.2                                      | 1,721.2          |                      |           |                |                |                |                |                 |                 |
| Total Reserves       | <u>1,721.2</u>                               | <u>1,721.2</u>   |                      |           |                |                |                |                |                 |                 |
| Capital Levy         | <u>9,380.0</u>                               | <u>630.0</u>     |                      |           | <u>1,250.0</u> | <u>1,250.0</u> | <u>1,250.0</u> | <u>5,000.0</u> |                 |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-11.04

**Division:** Engineering - Bridges

**Climate Mitigation:** Yes

### Project Name & Description

Nassau Mills Road Bridge over Otonabee River

### Commitments Made

### Effects on Future Operating Budgets

Increased infrastructure will increase maintenance costs.

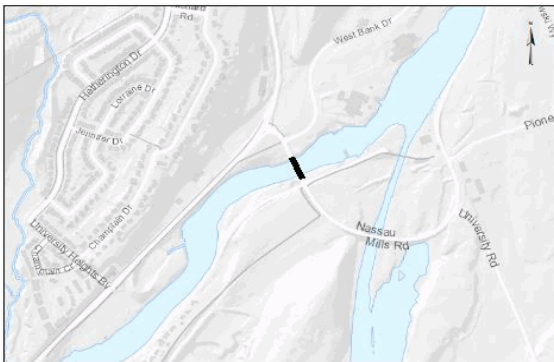
### Project Detail, Justification & Reference Map

A new four lane bridge will be required at this location including the street widening from Water Street to Armour Road.

To facilitate construction of a new bridge at this location, the City must complete a Schedule "C" Class Environmental Assessment (EA). The EA has begun in 2017 to review all aspects of servicing the northeast quadrant of the City in order to support potential development in the north end. Detailed design will follow as phase two of the project. Bridge construction timing will be dependent on the outcome of the EA and projects needed to support development in the area.

The project costs will be more accurately defined during completion of the EA. This EA will also include the Nassau Mills Bridge over the Trent Severn and the realignment of Armour Road taking a holistic approach to planning the respective crossings.

The project is partially funded through the City's Development Charges By-Law.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested |                |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|-----------|----------------|----------------|----------------|----------------|-----------------|-----------------|
|                           |   |                  |                      | 2022      | 2023           | 2024           | 2025           | 2026           |                 |                 |
| Department                | Infrastructure and Planning Services    |                  |                      |           |                |                |                |                |                 |                 |
| Division                  | Engineering - Bridges                   |                  |                      |           |                |                |                |                |                 |                 |
| Project Description       | Nassau Mills Bridge over Otonabee River |                  |                      |           |                |                |                |                |                 |                 |
| Project #                 | 5-11.04                                 |                  |                      |           |                |                |                |                |                 |                 |
| Expenditures              |   |                  |                      |           |                |                |                |                |                 |                 |
| Contractual Services      | 11,820.0                                | 300.0            |                      |           | 1,000.0        | 1,520.0        | 4,000.0        | 5,000.0        |                 |                 |
| Total Direct Revenue      | <u>11,820.0</u>                         | <u>300.0</u>     |                      |           | <u>1,000.0</u> | <u>1,520.0</u> | <u>4,000.0</u> | <u>5,000.0</u> |                 |                 |
| Net Requirements          | <u>11,820.0</u>                         | <u>300.0</u>     |                      |           | <u>1,000.0</u> | <u>1,520.0</u> | <u>4,000.0</u> | <u>5,000.0</u> |                 |                 |
| To Be Financed From:      |   |                  |                      |           |                |                |                |                |                 |                 |
| Debentures                |   |                  |                      |           |                |                |                |                |                 |                 |
| Deb Rev-Tax Supported     | 2,250.0                                 |                  |                      |           |                |                | 1,000.0        | 1,250.0        |                 |                 |
| DEBT DC-RoadsRelated      | 6,750.0                                 |                  |                      |           |                |                | 3,000.0        | 3,750.0        |                 |                 |
| Total Debenture Financing | <u>9,000.0</u>                          |                  |                      |           |                |                | <u>4,000.0</u> | <u>5,000.0</u> |                 |                 |
| Development Charges       |   |                  |                      |           |                |                |                |                |                 |                 |
| DC - Roads Related        | 2,115.0                                 | 225.0            |                      |           | 750.0          | 1,140.0        |                |                |                 |                 |
| Total Development Charges | <u>2,115.0</u>                          | <u>225.0</u>     |                      |           | <u>750.0</u>   | <u>1,140.0</u> |                |                |                 |                 |
| Reserves                  |   |                  |                      |           |                |                |                |                |                 |                 |
| Bridge Reserve            | 705.0                                   | 75.0             |                      |           | 250.0          | 380.0          |                |                |                 |                 |
| Total Reserves            | <u>705.0</u>                            | <u>75.0</u>      |                      |           | <u>250.0</u>   | <u>380.0</u>   |                |                |                 |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-11.05

**Division:** Engineering - Bridges

**Climate Mitigation:** Yes

### Project Name & Description

Nassau Mills Road Bridge over Trent Severn Waterway

### Commitments Made

### Effects on Future Operating Budgets

Increased infrastructure will increase maintenance costs.

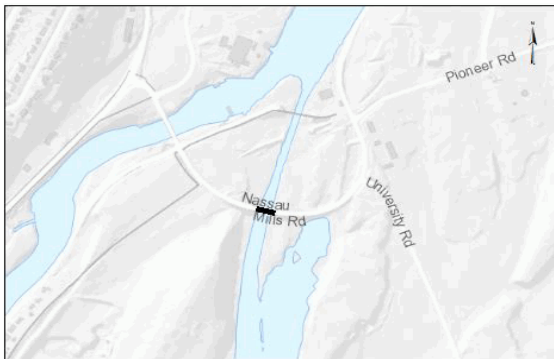
### Project Detail, Justification & Reference Map

A new four lane bridge and widening of Nassau Mills Road, from University Road to Armour Road, to four lanes is required.

To facilitate construction of a new bridge at this location, the City must complete a Schedule "C" Class Environmental Assessment (EA). The EA began in 2017 to review all aspects of servicing the northeast quadrant of the City in order to support potential development in the north end. Detailed design will follow as phase two of the project. Bridge construction timing will be dependent on the outcome of the EA and projects needed to support development in the area.

The project costs will be more accurately defined during completion of the EA. This EA will also include the Nassau Mills Bridge over the Otonabee River and the realignment of Armour Road taking a holistic approach to planning the respective crossings.

The project is partially funded through the City's Development Charges By-Law.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                       | Project<br>Total | Approved<br>Pre-2022 | Requested |      |              |              |                | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---------------------------------------|------------------|----------------------|-----------|------|--------------|--------------|----------------|-----------------|-----------------|
|                           |                                       |                  |                      | 2022      | 2023 | 2024         | 2025         | 2026           |                 |                 |
| Department                | Infrastructure and Planning Services  |                  |                      |           |      |              |              |                |                 |                 |
| Division                  | Engineering - Bridges                 |                  |                      |           |      |              |              |                |                 |                 |
| Project Description       | Nassau Mills Bridge over Trent Severn |                  |                      |           |      |              |              |                |                 |                 |
| Project #                 | 5-11.05                               |                  |                      |           |      |              |              |                |                 |                 |
| Expenditures              |                                       |                  |                      |           |      |              |              |                |                 |                 |
| Contractual Services      | 9,550.0                               | 300.0            |                      |           |      | 500.0        | 500.0        | 8,250.0        |                 |                 |
| Total Direct Revenue      | <u>9,550.0</u>                        | <u>300.0</u>     |                      |           |      | <u>500.0</u> | <u>500.0</u> | <u>8,250.0</u> |                 |                 |
| Net Requirements          | <u>9,550.0</u>                        | <u>300.0</u>     |                      |           |      | <u>500.0</u> | <u>500.0</u> | <u>8,250.0</u> |                 |                 |
| To Be Financed From:      |                                       |                  |                      |           |      |              |              |                |                 |                 |
| Debentures                |                                       |                  |                      |           |      |              |              |                |                 |                 |
| DEBT DC-RoadsRelated      | 8,250.0                               |                  |                      |           |      |              |              | 8,250.0        |                 |                 |
| Total Debenture Financing | <u>8,250.0</u>                        |                  |                      |           |      |              |              | <u>8,250.0</u> |                 |                 |
| Development Charges       |                                       |                  |                      |           |      |              |              |                |                 |                 |
| DC - Roads Related        | 1,300.0                               | 300.0            |                      |           |      | 500.0        | 500.0        |                |                 |                 |
| Total Development Charges | <u>1,300.0</u>                        | <u>300.0</u>     |                      |           |      | <u>500.0</u> | <u>500.0</u> |                |                 |                 |



**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                             | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |     | 2024  |      | 2025 & After |       |
|---|---------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-----|-------|------|--------------|-------|
|   |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net | Total | Net  | Total        | Net   |
| Infrastructure and Planning Services<br>Bridges |         |               |                   |             |     |          |          |         |     |       |       |     |       |      |              |       |
| OSIM Bridge Inspection Program                  | 5-11.06 | 345.0         | 90.0              | 65.0        |     | 65.0     |          |         |     | 65.0  |       |     | 90.0  | 90.0 | 100.0        | 100.0 |
| Total   |         | 345.0         | 90.0              | 65.0        |     | 65.0     |          |         |     | 65.0  |       |     | 90.0  | 90.0 | 100.0        | 100.0 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-11.06**Division:** Engineering - Bridges**Project Name & Description**

OSIM Bridge Inspection Program

**Commitments Made****Effects on Future Operating Budgets**

Proactive Condition Inspection will reduce long term costs through proper Asset Management.

**Project Detail, Justification & Reference Map**

The structural integrity, safety and condition of every bridge is determined through the performance of at least one inspection every two years under the direction of a professional engineer and in accordance with the Ontario Structure Inspection Manual (OSIM), published by the Ministry of Transportation (O. Reg. 160/02, s. 2 (2)). The OSIM program is scheduled for 2022.

The many components that make up the substructure and superstructure of bridges are reviewed. These include the foundations, abutments, piers, girders, deck, barriers, railings, bearings, expansion joints and approach slabs.

Each of the various elements are assigned a condition rating and maintenance needs are identified and assigned a priority based on the need to undertake the improvements. These maintenance and rehabilitation needs are then used to generate the long-term bridge asset capital budgets and short-term maintenance needs.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested   |      |             |      |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|-------------|------|-------------|------|--------------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022        | 2023 | 2024        | 2025 | 2026         |                 |                 |  |
| Department           | Infrastructure and Planning Services |                  |                      |             |      |             |      |              |                 |                 |  |
| Division             | Engineering - Bridges                |                  |                      |             |      |             |      |              |                 |                 |  |
| Project Description  | OSIM Bridge Inspection Program       |                  |                      |             |      |             |      |              |                 |                 |  |
| Project #            | 5-11.06                              |                  |                      |             |      |             |      |              |                 |                 |  |
| Expenditures         |                                      |                  |                      |             |      |             |      |              |                 |                 |  |
| Contractual Services |                                      | 345.0            | 90.0                 | 65.0        |      | 90.0        |      | 100.0        |                 |                 |  |
| Total Direct Revenue |                                      | <u>345.0</u>     | <u>90.0</u>          | <u>65.0</u> |      | <u>90.0</u> |      | <u>100.0</u> |                 |                 |  |
| Net Requirements     |                                      | <u>345.0</u>     | <u>90.0</u>          | <u>65.0</u> |      | <u>90.0</u> |      | <u>100.0</u> |                 |                 |  |
| To Be Financed From: |                                      |                  |                      |             |      |             |      |              |                 |                 |  |
| Reserves             |                                      |                  |                      |             |      |             |      |              |                 |                 |  |
| Bridge Reserve       |                                      | 345.0            | 90.0                 | 65.0        |      | 90.0        |      | 100.0        |                 |                 |  |
| Total Reserves       |                                      | <u>345.0</u>     | <u>90.0</u>          | <u>65.0</u> |      | <u>90.0</u> |      | <u>100.0</u> |                 |                 |  |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description   | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |      |       | 2023    |         | 2024    |         | 2025 & After |         |
|---|---------|---------------|-------------------|-------------|-----|----------|----------|---------|------|-------|---------|---------|---------|---------|--------------|---------|
|   |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb  | Other | Total   | Net     | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services                          |         |               |                   |             |     |          |          |         |      |       |         |         |         |         |              |         |
| Sidewalks   |         |               |                   |             |     |          |          |         |      |       |         |         |         |         |              |         |
| Citywide Trail Rehabilitation                                 | 5-12.01 | 1,100.0       | 50.0              | 100.0       |     | 100.0    | 85.3     |         | 14.8 |       | 200.0   | 200.0   | 300.0   | 300.0   | 450.0        | 450.0   |
| Crawford Trail Extension Project - Monaghan Rd to Townsend St | 5-12.02 | 3,250.0       | 1,350.0           |             |     |          |          |         |      |       | 1,500.0 | 1,500.0 | 400.0   | 400.0   |              |         |
| Various New Sidewalk Installations                            | 5-12.03 | 4,000.0       |                   |             |     |          |          |         |      |       | 400.0   | 400.0   | 400.0   | 400.0   | 3,200.0      | 3,200.0 |
| Trails and Cycling Network Implementation                     | 5-12.04 | 3,400.0       | 150.0             |             |     |          |          |         |      |       |         |         | 250.0   | 250.0   | 3,000.0      | 3,000.0 |
| Total   |         | 11,750.0      | 1,550.0           | 100.0       |     | 100.0    | 85.3     |         | 14.8 |       | 2,100.0 | 2,100.0 | 1,350.0 | 1,350.0 | 6,650.0      | 6,650.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-12.01

**Division:** Engineering - Sidewalks

**Project Name & Description**

Citywide Trail Rehabilitation

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

This project supports trail maintenance and resurfacing. Over the past decades the City has expanded the Citywide trail network. As the trail infrastructure begins to degrade, there is a requirement to rehabilitate the infrastructure on trails as with roads.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--------------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                           |                                      |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department                | Infrastructure and Planning Services |                  |                      |              |              |              |              |              |                 |                 |  |
| Division                  | Engineering - Sidewalks              |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description       | Citywide Trail Rehabilitation        |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #                 | 5-12.01                              |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures              |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services      |                                      | 1,100.0          | 50.0                 | 100.0        | 200.0        | 300.0        | 300.0        | 150.0        |                 |                 |  |
| Total Direct Revenue      |                                      | <u>1,100.0</u>   | <u>50.0</u>          | <u>100.0</u> | <u>200.0</u> | <u>300.0</u> | <u>300.0</u> | <u>150.0</u> |                 |                 |  |
| Net Requirements          |                                      | <u>1,100.0</u>   | <u>50.0</u>          | <u>100.0</u> | <u>200.0</u> | <u>300.0</u> | <u>300.0</u> | <u>150.0</u> |                 |                 |  |
| To Be Financed From:      |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Debentures                |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Deb Rev-Tax Supported     |                                      | 14.8             |                      | 14.8         |              |              |              |              |                 |                 |  |
| Total Debenture Financing |                                      | <u>14.8</u>      |                      | <u>14.8</u>  |              |              |              |              |                 |                 |  |
| Capital Levy              |                                      | <u>1,085.3</u>   | <u>50.0</u>          | <u>85.3</u>  | <u>200.0</u> | <u>300.0</u> | <u>300.0</u> | <u>150.0</u> |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-12.02**Division:** Engineering - Sidewalks**Climate Mitigation:** Yes**Project Name & Description**

Crawford Trail Extension Project - Monaghan Road to Townsend Street

**Commitments Made**

Report USTR18-004 recommended a commitment of 2018 funding to create this project, however, the project costs have escalated substantially since the approved report.

**Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

Council approved the creation of this project through Report USTR18-004. The trail project converts an old rail line to a formal multi-use trail constructed from Monaghan Road to Townsend Street. The project costs have escalated substantially since the approved report. This project will increase the budget for the additional expenditures required to construct the trail.

Budgetary constraints have moved the remaining phases of this project to 2023/2024. Construction of the trail from Lake Street to Romaine Street occurred in 2019/2020.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project | Approved | Requested |       |      |      |      | 2027 to | 2032 to |
|---------------------------|---|---------|----------|-----------|-------|------|------|------|---------|---------|
|                           |   | Total   | Pre-2022 | 2022      | 2023  | 2024 | 2025 | 2026 | 2031    | 2046    |
| Department                | Infrastructure and Planning Services                          |         |          |           |       |      |      |      |         |         |
| Division                  | Engineering - Sidewalks                                       |         |          |           |       |      |      |      |         |         |
| Project Description       | Crawford Trail Extension Project - Monaghan Rd to Townsend St |         |          |           |       |      |      |      |         |         |
| Project #                 | 5-12.02   |         |          |           |       |      |      |      |         |         |
| Expenditures              |   |         |          |           |       |      |      |      |         |         |
| Contractual Services      | 3,250.0   | 1,350.0 |          | 1,500.0   | 400.0 |      |      |      |         |         |
| Net Requirements          | 3,250.0   | 1,350.0 |          | 1,500.0   | 400.0 |      |      |      |         |         |
| To Be Financed From:      |   |         |          |           |       |      |      |      |         |         |
| Debentures                |   |         |          |           |       |      |      |      |         |         |
| Deb Rev-Tax Supported     | 1,143.0   | 306.3   |          | 660.0     | 176.7 |      |      |      |         |         |
| DEBT DC-RoadsRelated      | 618.3   | 350.0   |          | 210.0     | 58.3  |      |      |      |         |         |
| Total Debenture Financing | 1,761.3   | 656.3   |          | 870.0     | 235.0 |      |      |      |         |         |
| Development Charges       |   |         |          |           |       |      |      |      |         |         |
| DC - Roads Related        | 102.2   | 102.2   |          |           |       |      |      |      |         |         |
| Total Development Charges | 102.2   | 102.2   |          |           |       |      |      |      |         |         |
| Reserves                  |   |         |          |           |       |      |      |      |         |         |
| Tsf from - Cycling        | 591.5   | 591.5   |          |           |       |      |      |      |         |         |
| Total Reserves            | 591.5   | 591.5   |          |           |       |      |      |      |         |         |
| Capital Levy              | 795.0   |         |          | 630.0     | 165.0 |      |      |      |         |         |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-12.03**Division:** Engineering - Sidewalks**Climate Mitigation:** Yes**Project Name & Description**

Various New Sidewalk Installations

**Commitments Made**

In accordance with the City's Provision of Sidewalks Policy Number MS08-7750 and Sidewalk Implementation Procedure for Existing Streets, a budget for new sidewalk construction is identified.

**Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs. The procedure will also require additional administration and potential staffing adjustments.

**Project Detail, Justification & Reference Map**

Active transportation is a general term for the use of human-powered, non-motorized modes for transportation such as walking, running, cycling, and rollerblading. The City of Peterborough prioritizes active modes of transportation that foster a pedestrian network with a high degree of connectivity, safety and local context sensitivity.

The City has updated the Sidewalk Implementation Procedure to include notifying residents and Ward Councillors that will be directly impacted by the immediate construction program with sufficient time to allow for consultation and mitigating measures.

**Accessibility Considerations**

The project aids in mobility and accessibility by implementing sidewalk projects in compliance with AODA standards.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|------------------|----------------------|-----------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                           |                                      |                  |                      | 2022      | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department                | Infrastructure and Planning Services |                  |                      |           |              |              |              |              |                 |                 |
| Division                  | Engineering - Sidewalks              |                  |                      |           |              |              |              |              |                 |                 |
| Project Description       | Various New Sidewalk Installations   |                  |                      |           |              |              |              |              |                 |                 |
| Project #                 | 5-12.03                              |                  |                      |           |              |              |              |              |                 |                 |
| Expenditures              |                                      |                  |                      |           |              |              |              |              |                 |                 |
| Contractual Services      |                                      | 4,000.0          |                      |           | 400.0        | 400.0        | 400.0        | 400.0        | 2,000.0         | 400.0           |
| Total Direct Revenue      |                                      | <u>4,000.0</u>   |                      |           | <u>400.0</u> | <u>400.0</u> | <u>400.0</u> | <u>400.0</u> | <u>2,000.0</u>  | <u>400.0</u>    |
| Net Requirements          |                                      | <u>4,000.0</u>   |                      |           | <u>400.0</u> | <u>400.0</u> | <u>400.0</u> | <u>400.0</u> | <u>2,000.0</u>  | <u>400.0</u>    |
| To Be Financed From:      |                                      |                  |                      |           |              |              |              |              |                 |                 |
| Debentures                |                                      |                  |                      |           |              |              |              |              |                 |                 |
| DEBT DC-RoadsRelated      |                                      | 4,000.0          |                      |           | 400.0        | 400.0        | 400.0        | 400.0        | 2,000.0         | 400.0           |
| Total Debenture Financing |                                      | <u>4,000.0</u>   |                      |           | <u>400.0</u> | <u>400.0</u> | <u>400.0</u> | <u>400.0</u> | <u>2,000.0</u>  | <u>400.0</u>    |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-12.04**Division:** Engineering - Sidewalks**Climate Mitigation:** Yes**Project Name & Description**

Trails and Cycling Network Implementation

**Commitments Made****Effects on Future Operating Budgets**

Increased infrastructure will increase maintenance costs.

**Project Detail, Justification & Reference Map**

Active Transportation is a general term for the use of human-powered, non-motorized modes for transportation such as walking, running, cycling, and rollerblading. The City of Peterborough prioritizes active modes of transportation that foster a cycling and pedestrian network with a high degree of connectivity, safety and local context sensitivity.

The Implementation Plan for the non-sidewalk component of the network improvements includes three-time horizons:

- Short-term (2011 to 2021)
- Medium-term (2021 to 2031)
- Long-term (beyond 2031)

All funding associated with this project has been reallocated to the Crawford Trail Extension Project - Monaghan Road Townsend Street. Budgetary constraints have moved future phases of this project past 2024..

**Accessibility Considerations**

This program aids in mobility and accessibility.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                           |   |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services      |                  |                      |           |      |      |      |      |                 |                 |
| Division                  | Engineering - Sidewalks                   |                  |                      |           |      |      |      |      |                 |                 |
| Project Description       | Trails and Cycling Network Implementation |                  |                      |           |      |      |      |      |                 |                 |
| Project #                 | 5-12.04                                   |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures              |   |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services      | 3,400.0                                   | 150.0            |                      |           |      |      |      |      |                 |                 |
| Total Direct Revenue      | <u>3,400.0</u>                            | <u>150.0</u>     |                      |           |      |      |      |      |                 |                 |
| Net Requirements          | <u>3,400.0</u>                            | <u>150.0</u>     |                      |           |      |      |      |      |                 |                 |
| To Be Financed From:      |   |                  |                      |           |      |      |      |      |                 |                 |
| Debentures                |   |                  |                      |           |      |      |      |      |                 |                 |
| Deb Rev-Tax Supported     | 2,437.5                                   |                  |                      |           |      |      |      |      |                 |                 |
| Total Debenture Financing | <u>2,437.5</u>                            |                  |                      |           |      |      |      |      |                 |                 |
| Development Charges       |   |                  |                      |           |      |      |      |      |                 |                 |
| DC - Roads Related        | 812.5                                     |                  |                      |           |      |      |      |      |                 |                 |
| Total Development Charges | <u>812.5</u>                              |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                  |   |                  |                      |           |      |      |      |      |                 |                 |
| Casino Gaming Reserve     | 150.0                                     | 150.0            |                      |           |      |      |      |      |                 |                 |
| Total Reserves            | <u>150.0</u>                              | <u>150.0</u>     |                      |           |      |      |      |      |                 |                 |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                                     | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |       |         | 2023    |         | 2024    |         | 2025 & After |          |
|---|---------|---------------|-------------------|-------------|-----|----------|----------|---------|-------|---------|---------|---------|---------|---------|--------------|----------|
|   |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb   | Other   | Total   | Net     | Total   | Net     | Total        | Net      |
| Infrastructure and Planning Services                    |         |               |                   |             |     |          |          |         |       |         |         |         |         |         |              |          |
| Sanitary Sewers   |         |               |                   |             |     |          |          |         |       |         |         |         |         |         |              |          |
| Sanitary Sewer Rehabilitation                           | 5-13.01 | 9,000.0       | 2,250.0           | 750.0       |     | 750.0    |          |         |       | 750.0   | 750.0   | 750.0   | 750.0   | 750.0   | 4,500.0      | 4,500.0  |
| New Waste Water Collection Repair Truck to Replace #243 | 5-13.02 | 180.0         |                   | 180.0       |     | 180.0    |          |         | 130.0 | 50.0    |         |         |         |         |              |          |
| Sanitary Sewer Master Plan Implementation               | 5-13.03 | 4,500.0       | 850.0             | 150.0       |     | 150.0    |          |         |       | 150.0   | 200.0   | 200.0   | 250.0   | 250.0   | 3,050.0      | 3,050.0  |
| Lock 19 Manhole Installation                            | 5-13.04 | 100.0         |                   | 100.0       |     | 100.0    |          |         |       | 100.0   |         |         |         |         |              |          |
| Chemong West/Towerhill Sanitary Sewer                   | 5-13.05 | 355.0         |                   | 30.0        |     | 30.0     |          |         | 30.0  |         | 325.0   | 325.0   |         |         |              |          |
| Armour Road Sanitary Twinning                           | 5-13.06 | 3,375.0       | 125.0             |             |     |          |          |         |       |         | 3,250.0 | 3,250.0 |         |         |              |          |
| Eastern Trunk Sewer                                     | 5-13.07 | 6,000.0       | 250.0             |             |     |          |          |         |       |         | 1,250.0 | 1,250.0 | 1,500.0 | 1,500.0 | 3,000.0      | 3,000.0  |
| Total   |         | 23,510.0      | 3,475.0           | 1,210.0     |     | 1,210.0  |          |         | 160.0 | 1,050.0 | 5,775.0 | 5,775.0 | 2,500.0 | 2,500.0 | 10,550.0     | 10,550.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-13.01

**Division:** Engineering - Sanitary Sewers

**Climate Mitigation:** Yes

**Climate Adaptation:** Yes

**Project Name & Description**

Sanitary Sewer Rehabilitation

**Commitments Made**

**Effects on Future Operating Budgets**

Reduces reactive maintenance thereby reducing overall maintenance costs.

**Project Detail, Justification & Reference Map**

This project will review the latest condition information on the citywide sanitary sewer network and rehabilitate critical areas identified. In general, the sanitary sewer rehabilitation program will be allocated to sewers that require attention as a result of inspection information collected.

The project is also directly connected to the roads resurfacing program whereby underground infrastructure requires repair prior to any road surface works.

The ongoing program will improve the overall condition of the City's sanitary sewer infrastructure thereby resulting in improved sewage flows.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Infrastructure and Planning Services |                  |                      |              |              |              |              |              |                 |                 |  |
| Division             | Engineering - Sanitary Sewers        |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description  | Sanitary Sewer Rehabilitation        |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #            | 5-13.01                              |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures         |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services | 9,000.0                              | 2,250.0          | 750.0                | 750.0        | 750.0        | 750.0        | 750.0        | 750.0        | 3,000.0         |                 |  |
| Total Direct Revenue | <u>9,000.0</u>                       | <u>2,250.0</u>   | <u>750.0</u>         | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>3,000.0</u>  |                 |  |
| Direct Revenue       |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Debt - WWRF          | 564.2                                | 564.2            |                      |              |              |              |              |              |                 |                 |  |
| Total Direct Revenue | <u>564.2</u>                         | <u>564.2</u>     |                      |              |              |              |              |              |                 |                 |  |
| Net Requirements     | <u>8,435.8</u>                       | <u>1,685.8</u>   | <u>750.0</u>         | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>3,000.0</u>  |                 |  |
| To Be Financed From: |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Reserves             |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Waste Water Reserve  | 8,435.8                              | 1,685.8          | 750.0                | 750.0        | 750.0        | 750.0        | 750.0        | 750.0        | 3,000.0         |                 |  |
| Total Reserves       | <u>8,435.8</u>                       | <u>1,685.8</u>   | <u>750.0</u>         | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>750.0</u> | <u>3,000.0</u>  |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-13.02**Division:** Infrastructure Planning - Sanitary Sewers**Project Name & Description**

Replacement upgrade of WWC repair truck #243

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

This unit responds to maintenance and emergency repairs to our sanitary and storm sewer network within the City of Peterborough, as well as the Peterborough Airport, Millbrook and Lakefield as contracted to the Peterborough Utilities Group. This one-ton truck has reached the end of its life cycle and now incurs increased maintenance costs and downtime to our division which impacts our efficiency and operational response times.

This current unit does not meet the needs of today's work practices as we don't have the storage capacity and specific equipment required this means additional deadheading to retrieve stock and parts that we can not onboard which impacts staff and again impacts our ability to meet operational targets.

It make operational and economical sense to upgrade to a inclusive repair truck that meets our service requirements. We can stock with parts and that can store specific tools required for the job. This new unit will reduce, or even eliminate, additional trips currently required from job sites to the WWC yard for parts as most parts would be on-boarded and available.

Ultimately, this truck will address storage and parts needs, provide access to electricity onsite, it will provide a safe and sheltered workspace to adjust fittings and customize parts, a place to review plans and diagrams, access to digital files and specifications, all while mitigating downtime and deadheading thereby increasing efficiency, reducing lost time and advancing our capabilities to be more in line with the current municipal response benchmarks.

There is \$50,000 in fleet reserve fund and and additional \$130,000 is needed from capital to purchase.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                 |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------------|---|------------------|----------------------|--------------|------|------|------|------|-----------------|-----------------|
|                                 |   |                  |                      | 2022         | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                      | Infrastructure and Planning Services                    |                  |                      |              |      |      |      |      |                 |                 |
| Division                        | Infrastructure Planning - Sanitary Sewers               |                  |                      |              |      |      |      |      |                 |                 |
| Project Description             | New Waste Water Collection Repair Truck to Replace #243 |                  |                      |              |      |      |      |      |                 |                 |
| Project #                       | 5-13.02   |                  |                      |              |      |      |      |      |                 |                 |
| Expenditures                    |   |                  |                      |              |      |      |      |      |                 |                 |
| Contractual Services            | 180.0   |                  |                      |              |      |      |      |      |                 |                 |
| Total Direct Revenue            | <u>180.0</u>  |                  |                      | <u>180.0</u> |      |      |      |      |                 |                 |
| Net Requirements                | <u>180.0</u>  |                  |                      | <u>180.0</u> |      |      |      |      |                 |                 |
| To Be Financed From:            |   |                  |                      |              |      |      |      |      |                 |                 |
| Debentures                      |   |                  |                      |              |      |      |      |      |                 |                 |
| Deb Rev-Tax Supported           | 130.0   |                  |                      | 130.0        |      |      |      |      |                 |                 |
| Total Debenture Financing       | <u>130.0</u>  |                  |                      | <u>130.0</u> |      |      |      |      |                 |                 |
| Reserves                        |   |                  |                      |              |      |      |      |      |                 |                 |
| Trsf From DRES PW Veh. Replacem | 50.0  |                  |                      | 50.0         |      |      |      |      |                 |                 |
| Total Reserves                  | <u>50.0</u>   |                  |                      | <u>50.0</u>  |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-13.03**Division:** Engineering - Sanitary Sewers**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Sanitary Sewer Inflow &amp; Infiltration Master Plan Implementation

**Commitments Made**

On March 12, 2012, Council approved Report USEC12-001 adopting the City's infrastructure strategies to address Inflow and Infiltration of storm water into the City Sanitary Sewer Network.

**Effects on Future Operating Budgets**

Reduction in extraneous storm water flows into the sanitary sewer system will preserve the sanitary sewer capacity for future development and potentially reduce the costs of treatment at the Waste Water Treatment Plant.

**Project Detail, Justification & Reference Map**

Inflow and Infiltration of clean water increases the flow in the sanitary sewer causing basement flooding, environmental hazards, greater wastewater treatment costs and reduced sewer capacity for future growth while decreasing the sewer system's lifespan.

Various Inflow and Infiltration sources have been discovered and, now that the City has established these sources, the next step is remediation through detailed design and construction to remove the Inflow and Infiltration from the City's sanitary system. Staff will continue to investigate remaining areas of the City.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                      |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department           | Infrastructure and Planning Services      |                  |                      |              |              |              |              |              |                 |                 |
| Division             | Engineering - Sanitary Sewers             |                  |                      |              |              |              |              |              |                 |                 |
| Project Description  | Sanitary Sewer Master Plan Implementation |                  |                      |              |              |              |              |              |                 |                 |
| Project #            | 5-13.03                                   |                  |                      |              |              |              |              |              |                 |                 |
| Expenditures         |   |                  |                      |              |              |              |              |              |                 |                 |
| Contractual Services |   | 4,500.0          | 850.0                | 150.0        | 200.0        | 250.0        | 750.0        | 750.0        | 1,550.0         |                 |
| Total Direct Revenue |   | <u>4,500.0</u>   | <u>850.0</u>         | <u>150.0</u> | <u>200.0</u> | <u>250.0</u> | <u>750.0</u> | <u>750.0</u> | <u>1,550.0</u>  |                 |
| Net Requirements     |   | <u>4,500.0</u>   | <u>850.0</u>         | <u>150.0</u> | <u>200.0</u> | <u>250.0</u> | <u>750.0</u> | <u>750.0</u> | <u>1,550.0</u>  |                 |
| To Be Financed From: |   |                  |                      |              |              |              |              |              |                 |                 |
| Reserves             |   |                  |                      |              |              |              |              |              |                 |                 |
| Waste Water Reserve  |   | 4,500.0          | 850.0                | 150.0        | 200.0        | 250.0        | 750.0        | 750.0        | 1,550.0         |                 |
| Total Reserves       |   | <u>4,500.0</u>   | <u>850.0</u>         | <u>150.0</u> | <u>200.0</u> | <u>250.0</u> | <u>750.0</u> | <u>750.0</u> | <u>1,550.0</u>  |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-13.04**Division:** Engineering - Sanitary Sewers**Project Name & Description**

Lock 19 Manhole Installation

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

This project is planned to be completed through a collaborative process with Parks Canada. The City's project includes the installation of a sanitary manhole on an existing sanitary sewer line. The infrastructure is located in the rear yards of residential properties on River Rd, thereby providing limited access to critical infrastructure. This trunk sewer conveys the east side of the City's sewage flows to the Wastewater Treatment Plant.

Through project notice provided by Parks Canada, staff believe it is beneficial to gain access to this system wherever possible and the project at Lock 19 provides this opportunity.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Infrastructure and Planning Services |                  |                      |           |      |      |      |      |                 |                 |  |
| Division             | Engineering - Sanitary Sewers        |                  |                      |           |      |      |      |      |                 |                 |  |
| Project Description  | Lock 19 Manhole Installation         |                  |                      |           |      |      |      |      |                 |                 |  |
| Project #            | 5-13.04                              |                  |                      |           |      |      |      |      |                 |                 |  |
| Expenditures         |                                      |                  |                      |           |      |      |      |      |                 |                 |  |
| Contractual Services |                                      | 100.0            |                      | 100.0     |      |      |      |      |                 |                 |  |
| Total Direct Revenue |                                      | 100.0            |                      | 100.0     |      |      |      |      |                 |                 |  |
| Net Requirements     |                                      | 100.0            |                      | 100.0     |      |      |      |      |                 |                 |  |
| To Be Financed From: |                                      |                  |                      |           |      |      |      |      |                 |                 |  |
| Reserves             |                                      |                  |                      |           |      |      |      |      |                 |                 |  |
| Waste Water Reserve  |                                      | 100.0            |                      | 100.0     |      |      |      |      |                 |                 |  |
| Total Reserves       |                                      | 100.0            |                      | 100.0     |      |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-13.05**Division:** Engineering - Sanitary Sewers**Project Name & Description**

Chemong West/Towerhill Sanitary Sewer

**Commitments Made****Effects on Future Operating Budgets**

An increase in future operating budgets due to increased infrastructure quantity is anticipated.

**Project Detail, Justification & Reference Map**

Development proceeding at 689 Towerhill requires a developer funded sanitary sewer to connect to the sanitary sewer trunk on Chemong to service the site. The City is proposing to upsize the sewer to provide additional servicing capacity to the immediate area and the Chemong West planning area. Costs will be recovered through future development charges and sanitary connection fees.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                       | Project<br>Total | Approved<br>Pre-2022 | Requested   |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---------------------------------------|------------------|----------------------|-------------|--------------|------|------|------|-----------------|-----------------|--|
|                           |                                       |                  |                      | 2022        | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services  |                  |                      |             |              |      |      |      |                 |                 |  |
| Division                  | Engineering - Sanitary Sewers         |                  |                      |             |              |      |      |      |                 |                 |  |
| Project Description       | Chemong West/Towerhill Sanitary Sewer |                  |                      |             |              |      |      |      |                 |                 |  |
| Project #                 | 5-13.05                               |                  |                      |             |              |      |      |      |                 |                 |  |
| Expenditures              |                                       |                  |                      |             |              |      |      |      |                 |                 |  |
| Contractual Services      |                                       | 355.0            |                      | 30.0        | 325.0        |      |      |      |                 |                 |  |
| Net Requirements          |                                       | <u>355.0</u>     |                      | <u>30.0</u> | <u>325.0</u> |      |      |      |                 |                 |  |
| To Be Financed From:      |                                       |                  |                      |             |              |      |      |      |                 |                 |  |
| Debentures                |                                       |                  |                      |             |              |      |      |      |                 |                 |  |
| DEBT DC-Chemong West      |                                       | 355.0            |                      | 30.0        | 325.0        |      |      |      |                 |                 |  |
| Total Debenture Financing |                                       | <u>355.0</u>     |                      | <u>30.0</u> | <u>325.0</u> |      |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-13.06**Division:** Engineering - Sanitary Sewers**Climate Adaptation:** Yes**Project Name & Description**

Armour Road Sanitary Sewer Twinning (Clifton St to Hunter St E)

**Commitments Made**

On March 12, 2012, Council adopted Report USEC12-001 authorizing a capital program to reduce the inflow and infiltration throughout the City.

**Effects on Future Operating Budgets**

Additional infrastructure will increase operating costs.  
Elimination of extraneous flows into the sanitary sewer will reduce operating costs.

**Project Detail, Justification & Reference Map**

Identified through the Inflow and Infiltration Study as a priority project. The intent of the project is to reduce the likelihood of sewage backup into basements by installing a second sanitary sewer pipe in this location. This will provide additional capacity to effectively address the sewer systems backup potential.

The project will also address road resurfacing and stormwater management improvements in the area.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |                                      | Project | Approved | Requested |         |      |      |      | 2027 to | 2032 to |  |
|-----------------------------|--------------------------------------|---------|----------|-----------|---------|------|------|------|---------|---------|--|
|                             |                                      | Total   | Pre-2022 | 2022      | 2023    | 2024 | 2025 | 2026 | 2031    | 2046    |  |
| Department                  | Infrastructure and Planning Services |         |          |           |         |      |      |      |         |         |  |
| Division                    | Engineering - Sanitary Sewers        |         |          |           |         |      |      |      |         |         |  |
| Project Description         | Armour Road Sanitary Twinning        |         |          |           |         |      |      |      |         |         |  |
| Project #                   | 5-13.06                              |         |          |           |         |      |      |      |         |         |  |
| Expenditures                |                                      |         |          |           |         |      |      |      |         |         |  |
| Contractual Services        |                                      | 3,375.0 | 125.0    |           | 3,250.0 |      |      |      |         |         |  |
| Total Direct Revenue        |                                      | 3,375.0 | 125.0    |           | 3,250.0 |      |      |      |         |         |  |
| Net Requirements            |                                      | 3,375.0 | 125.0    |           | 3,250.0 |      |      |      |         |         |  |
| To Be Financed From:        |                                      |         |          |           |         |      |      |      |         |         |  |
| Reserves                    |                                      |         |          |           |         |      |      |      |         |         |  |
| FRMP - Capital Levy Reserve |                                      | 350.0   |          |           | 350.0   |      |      |      |         |         |  |
| Waste Water Reserve         |                                      | 1,575.0 | 125.0    |           | 1,450.0 |      |      |      |         |         |  |
| Total Reserves              |                                      | 1,925.0 | 125.0    |           | 1,800.0 |      |      |      |         |         |  |
| Capital Levy                |                                      | 1,450.0 |          |           | 1,450.0 |      |      |      |         |         |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-13.07

**Division:** Engineering - Sanitary Sewers

### Project Name & Description

Eastern Trunk Sewer

### Commitments Made

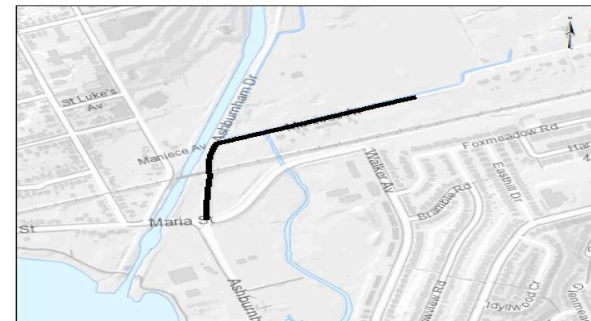
At its meeting of September 10, 2018, report IPSPD18-023 was approved by Council which endorsed the Draft Plan of Subdivision presented by the Developer that requires this project for servicing of the lands.

### Effects on Future Operating Budgets

### Project Detail, Justification & Reference Map

This project is identified in, and funded from, Development Charges for all growth-related portions of the project. Completion of this project permits growth within the Liftlock Growth Area. In 2017, the City received application for draft plan approval for the Growth Area and is expected to begin moving forward in the coming years.

Funding will be dependent on the progress of development and the need for sanitary sewers. The project is partially funded through the 2017 Development Charges Study (Area Specific).



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |                |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|------------------|----------------------|-----------|----------------|----------------|----------------|------|-----------------|-----------------|
|                           |                                      |                  |                      | 2022      | 2023           | 2024           | 2025           | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services |                  |                      |           |                |                |                |      |                 |                 |
| Division                  | Engineering - Sanitary Sewers        |                  |                      |           |                |                |                |      |                 |                 |
| Project Description       | Eastern Trunk Sewer                  |                  |                      |           |                |                |                |      |                 |                 |
| Project #                 | 5-13.07                              |                  |                      |           |                |                |                |      |                 |                 |
| Expenditures              |                                      |                  |                      |           |                |                |                |      |                 |                 |
| Contractual Services      |                                      | 6,000.0          | 250.0                |           | 1,250.0        | 1,500.0        | 3,000.0        |      |                 |                 |
| Total Direct Revenue      |                                      | <u>6,000.0</u>   | <u>250.0</u>         |           | <u>1,250.0</u> | <u>1,500.0</u> | <u>3,000.0</u> |      |                 |                 |
| Net Requirements          |                                      | <u>6,000.0</u>   | <u>250.0</u>         |           | <u>1,250.0</u> | <u>1,500.0</u> | <u>3,000.0</u> |      |                 |                 |
| To Be Financed From:      |                                      |                  |                      |           |                |                |                |      |                 |                 |
| Debentures                |                                      |                  |                      |           |                |                |                |      |                 |                 |
| DEBT DC-Liftlock          |                                      | 6,000.0          | 250.0                |           | 1,250.0        | 1,500.0        | 3,000.0        |      |                 |                 |
| Total Debenture Financing |                                      | <u>6,000.0</u>   | <u>250.0</u>         |           | <u>1,250.0</u> | <u>1,500.0</u> | <u>3,000.0</u> |      |                 |                 |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                                     | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |         | 2023    |         | 2024    |         | 2025 & After |         |
|---|---------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|---------|---------|---------|---------|---------|--------------|---------|
|   |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other   | Total   | Net     | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services                    |         |               |                   |             |     |          |          |         |     |         |         |         |         |         |              |         |
| Storm Sewers  |         |               |                   |             |     |          |          |         |     |         |         |         |         |         |              |         |
| City Wide Stormwater Quality Master Plan Implementation | 5-14.01 | 12,020.0      | 3,225.0           | 890.0       |     | 890.0    |          |         |     | 890.0   | 930.0   | 930.0   | 975.0   | 975.0   | 6,000.0      | 6,000.0 |
| Storm Sewer Rehabilitation Program                      | 5-14.02 | 6,400.0       | 1,900.0           | 500.0       |     | 500.0    |          |         |     | 500.0   | 500.0   | 500.0   | 500.0   | 500.0   | 3,000.0      | 3,000.0 |
| Roger Neilson Way Storm Sewer Rehab                     | 5-14.03 | 165.0         |                   | 15.0        |     | 15.0     |          |         |     | 15.0    | 150.0   | 150.0   |         |         |              |         |
| Total   |         | 18,585.0      | 5,125.0           | 1,405.0     |     | 1,405.0  |          |         |     | 1,405.0 | 1,580.0 | 1,580.0 | 1,475.0 | 1,475.0 | 9,000.0      | 9,000.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-14.01**Division:** Engineering - Storm Sewers**Climate Adaptation:** Yes**Project Name & Description**

Citywide Stormwater Quality Master Plan Implementation

**Commitments Made**

Report USDIR14-001 authorized publishing of the Draft Master Plan and requested staff to report back to Council with the final report and implementation plan. USDIR15-003 was partially adopted by Council on September 28, 2016, with some recommendations deferred until staff can provide more information on a funding source.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

This project presents an opportunity to manage stormwater quality discharges potentially impacting creeks and rivers. The City is mandated to complete specified work by the Ministry of Environment, Conservation and Parks (MECP) related to existing stormwater facilities throughout the City. As part of this requirement, the City needs to ensure current data is available. The Stormwater Quality EA Management Master Plan is developed as part of the overall evaluation and solution to the existing concerns.

The long-term recommendations of the Stormwater Quality Master Plan require ongoing funding over several years, to mitigate the potential issues.

In 2016, the MECP (formerly Ministry of Environment and Climate Change) requested detailed inspection data for one pond. The MECP has provided recommended guidance to address concerns. This project will implement recommendations and required work arising from MECP requirements.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                             |   | Project<br>Total | Approved<br>Pre-2022 | Requested |       |       |         |         | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------|---|------------------|----------------------|-----------|-------|-------|---------|---------|-----------------|-----------------|
|                             |   |                  |                      | 2022      | 2023  | 2024  | 2025    | 2026    |                 |                 |
| Department                  | Infrastructure and Planning Services                    |                  |                      |           |       |       |         |         |                 |                 |
| Division                    | Engineering - Storm Sewers                              |                  |                      |           |       |       |         |         |                 |                 |
| Project Description         | City Wide Stormwater Quality Master Plan Implementation |                  |                      |           |       |       |         |         |                 |                 |
| Project #                   | 5-14.01   |                  |                      |           |       |       |         |         |                 |                 |
| Expenditures                |   |                  |                      |           |       |       |         |         |                 |                 |
| Contractual Services        |   | 12,020.0         | 3,225.0              | 890.0     | 930.0 | 975.0 | 1,000.0 | 1,000.0 | 4,000.0         |                 |
| Direct Revenue              |   |                  |                      |           |       |       |         |         |                 |                 |
| Debt - WWRF                 |   | 875.0            | 875.0                |           |       |       |         |         |                 |                 |
| Total Direct Revenue        |   | 875.0            | 875.0                |           |       |       |         |         |                 |                 |
| Net Requirements            |   | 11,145.0         | 2,350.0              | 890.0     | 930.0 | 975.0 | 1,000.0 | 1,000.0 | 4,000.0         |                 |
| To Be Financed From:        |   |                  |                      |           |       |       |         |         |                 |                 |
| Reserves                    |   |                  |                      |           |       |       |         |         |                 |                 |
| FRMP - Capital Levy Reserve |   | 350.0            | 350.0                |           |       |       |         |         |                 |                 |
| Waste Water Reserve         |   | 10,795.0         | 2,000.0              | 890.0     | 930.0 | 975.0 | 1,000.0 | 1,000.0 | 4,000.0         |                 |
| Total Reserves              |   | 11,145.0         | 2,350.0              | 890.0     | 930.0 | 975.0 | 1,000.0 | 1,000.0 | 4,000.0         |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-14.02

**Division:** Engineering - Storm Sewers

**Climate Adaptation:** Yes

**Project Name & Description**

Storm Sewer Rehabilitation Program

**Commitments Made**

**Effects on Future Operating Budgets**

Reduces reactive maintenance thereby reducing overall maintenance costs.

**Project Detail, Justification & Reference Map**

This project will review current condition information on the citywide storm sewer network and rehabilitate critical areas identified. The storm sewer rehabilitation program will be allocated to sewers that require attention as a result of inspection information collected.

The project is also directly connected to the roads resurfacing program whereby underground infrastructure requires repair prior to any road surface works.

The project will improve the overall condition of the City's storm sewer infrastructure, thereby resulting in improved drainage and water management.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Infrastructure and Planning Services |                  |                      |              |              |              |              |              |                 |                 |  |
| Division             | Engineering - Storm Sewers           |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description  | Storm Sewer Rehabilitation Program   |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #            | 5-14.02                              |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures         |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services | 6,400.0                              | 1,900.0          | 500.0                | 500.0        | 500.0        | 500.0        | 500.0        | 500.0        | 2,000.0         |                 |  |
| Total Direct Revenue | <u>6,400.0</u>                       | <u>1,900.0</u>   | <u>500.0</u>         | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>2,000.0</u>  |                 |  |
| Direct Revenue       |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Debt - WWRF          | 500.0                                | 500.0            |                      |              |              |              |              |              |                 |                 |  |
| Total Direct Revenue | <u>500.0</u>                         | <u>500.0</u>     |                      |              |              |              |              |              |                 |                 |  |
| Net Requirements     | <u>5,900.0</u>                       | <u>1,400.0</u>   | <u>500.0</u>         | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>2,000.0</u>  |                 |  |
| To Be Financed From: |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Reserves             |                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Waste Water Reserve  | 5,900.0                              | 1,400.0          | 500.0                | 500.0        | 500.0        | 500.0        | 500.0        | 500.0        | 2,000.0         |                 |  |
| Total Reserves       | <u>5,900.0</u>                       | <u>1,400.0</u>   | <u>500.0</u>         | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>2,000.0</u>  |                 |  |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-14.03

**Division:** Engineering - Storm Sewers

**Climate Adaptation:** Yes

**Project Name & Description**

Roger Neilson Way Storm Sewer Rehabilitation

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

This project will address periodic flooding that occurs on Roger Neilson Way fronting the Memorial Centre.  
Phase 1: Investigation and design in 2022  
Phase 2: Construction in 2023

Tangible Capital Assets  
Ten Year Capital Budget Estimates  
2022-2031 & Subsequent Years  
(\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested   |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|-------------|--------------|------|------|------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022        | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Infrastructure and Planning Services |                  |                      |             |              |      |      |      |                 |                 |  |
| Division             | Engineering - Storm Sewers           |                  |                      |             |              |      |      |      |                 |                 |  |
| Project Description  | Roger Neilson Way Storm Sewer Rehab  |                  |                      |             |              |      |      |      |                 |                 |  |
| Project #            | 5-14.03                              |                  |                      |             |              |      |      |      |                 |                 |  |
| Expenditures         |                                      |                  |                      |             |              |      |      |      |                 |                 |  |
| Contractual Services |                                      | 165.0            |                      | 15.0        | 150.0        |      |      |      |                 |                 |  |
| Total Direct Revenue |                                      | <u>165.0</u>     |                      | <u>15.0</u> | <u>150.0</u> |      |      |      |                 |                 |  |
| Net Requirements     |                                      | <u>165.0</u>     |                      | <u>15.0</u> | <u>150.0</u> |      |      |      |                 |                 |  |
| To Be Financed From: |                                      |                  |                      |             |              |      |      |      |                 |                 |  |
| Reserves             |                                      |                  |                      |             |              |      |      |      |                 |                 |  |
| Waste Water Reserve  |                                      | 165.0            |                      | 15.0        | 150.0        |      |      |      |                 |                 |  |
| Total Reserves       |                                      | <u>165.0</u>     |                      | <u>15.0</u> | <u>150.0</u> |      |      |      |                 |                 |  |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                                  | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |       |         | 2023    |         | 2024    |         | 2025 & After |          |
|--|---------|---------------|-------------------|-------------|-----|----------|----------|---------|-------|---------|---------|---------|---------|---------|--------------|----------|
|  |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb   | Other   | Total   | Net     | Total   | Net     | Total        | Net      |
| Infrastructure and Planning Services<br>Public Works |         |               |                   |             |     |          |          |         |       |         |         |         |         |         |              |          |
| Sidewalk Reconstruction                              | 5-15.01 | 15,056.3      |                   | 1,311.2     |     | 1,311.2  | 749.7    |         | 561.5 |         | 1,352.9 | 1,352.9 | 1,393.5 | 1,393.5 | 10,998.7     | 10,998.7 |
| 2022 Fleet Replacement and Equipment                 | 5-15.02 | 21,987.7      | 3,675.7           | 1,273.0     |     | 1,273.0  |          |         |       | 1,273.0 | 1,862.3 | 1,862.3 | 2,579.6 | 2,579.6 | 12,597.2     | 12,597.2 |
| Municipal Snow Storage Facility ECA and Compliance   | 5-15.03 | 1,050.0       | 300.0             | 425.0       |     | 425.0    |          | 114.9   | 310.1 |         | 325.0   | 325.0   |         |         |              |          |
| Total  |         | 38,094.0      | 3,975.7           | 3,009.2     |     | 3,009.2  | 749.7    | 114.9   | 871.6 | 1,273.0 | 3,540.2 | 3,540.2 | 3,973.1 | 3,973.1 | 23,595.9     | 23,595.9 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-15.01**Division:** Public Works - Public Works**Climate Mitigation:** Yes**Project Name & Description**

Sidewalk Reconstruction

**Commitments Made****Effects on Future Operating Budgets**

Sidewalk reconstruction reduces the need for ongoing maintenance cost and minimizes the City's risk exposure.

**Project Detail, Justification & Reference Map**

The municipal sidewalk inventory totals 400 kilometers. Life cycle costing provides a base line performance measure to verify if replacement schedules and funding are sufficient to meet the established life cycle.

The recommended budget provides funds to replace approximately 3,800 linear meters of sidewalk, or just less than 1% of the existing inventory.

Future capital budgets have been increased by 3% annually, to account for construction cost increases, in order to meet expected future costs to maintain current level of service.

**Accessibility Considerations**

All current accessibility standards are incorporated into the reconstruction program with regards to slope, width and ramp design. Each project is evaluated to ensure the most viable compliance criteria are met during the reconstruction process.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |                |                |                | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--------------------------------------|------------------|----------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|--|
|                           |                                      |                  |                      | 2022           | 2023           | 2024           | 2025           | 2026           |                 |                 |  |
| Department                | Infrastructure and Planning Services |                  |                      |                |                |                |                |                |                 |                 |  |
| Division                  | Public Works - Public Works          |                  |                      |                |                |                |                |                |                 |                 |  |
| Project Description       | Sidewalk Reconstruction              |                  |                      |                |                |                |                |                |                 |                 |  |
| Project #                 | 5-15.01                              |                  |                      |                |                |                |                |                |                 |                 |  |
| Expenditures              |                                      |                  |                      |                |                |                |                |                |                 |                 |  |
| Contractual Services      |                                      | 15,056.3         |                      | 1,311.2        | 1,352.9        | 1,393.5        | 1,435.3        | 1,478.4        | 8,085.0         |                 |  |
| Total Direct Revenue      |                                      | <u>15,056.3</u>  |                      | <u>1,311.2</u> | <u>1,352.9</u> | <u>1,393.5</u> | <u>1,435.3</u> | <u>1,478.4</u> | <u>8,085.0</u>  |                 |  |
| Net Requirements          |                                      | <u>15,056.3</u>  |                      | <u>1,311.2</u> | <u>1,352.9</u> | <u>1,393.5</u> | <u>1,435.3</u> | <u>1,478.4</u> | <u>8,085.0</u>  |                 |  |
| To Be Financed From:      |                                      |                  |                      |                |                |                |                |                |                 |                 |  |
| Debentures                |                                      |                  |                      |                |                |                |                |                |                 |                 |  |
| Deb Rev-Tax Supported     |                                      | 561.5            |                      | 561.5          |                |                |                |                |                 |                 |  |
| Total Debenture Financing |                                      | <u>561.5</u>     |                      | <u>561.5</u>   |                |                |                |                |                 |                 |  |
| Capital Levy              |                                      | <u>14,494.8</u>  |                      | <u>749.7</u>   | <u>1,352.9</u> | <u>1,393.5</u> | <u>1,435.3</u> | <u>1,478.4</u> | <u>8,085.0</u>  |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-15.02**Division:** Public Works - Public Works**Climate Mitigation:** Yes**Project Name & Description**

2022 Fleet Replacement and Equipment

**Commitments Made****Effects on Future Operating Budgets**

The hourly charge out rate for vehicles and equipment includes a 'depreciation charge' that is transferred to the Public Works Equipment Reserve Fund. The Reserve is used to finance the purchase of vehicles and equipment.

**Project Detail, Justification & Reference Map**

Asset management of vehicles and equipment is based on life-cycle costs. Although vehicles and equipment are scheduled for replacement based on anticipated usage and conditions, final decisions are made only after a complete mechanical and financial analysis is undertaken.

The following vehicles and equipment are scheduled for replacement in 2022 at a total estimated cost of \$1.273 million.

6 Light Duty Units  
1 Heavy Duty  
3 Specialized Units

Alternative fuels will be researched and utilized where work tasks and equipment usage support their use.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                 |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |       |         |          | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------------|--------------------------------------|------------------|----------------------|-----------|---------|-------|---------|----------|-----------------|-----------------|--|
|                                 |                                      |                  |                      | 2022      | 2023    | 2024  | 2025    | 2026     |                 |                 |  |
| Department                      | Infrastructure and Planning Services |                  |                      |           |         |       |         |          |                 |                 |  |
| Division                        | Public Works - Public Works          |                  |                      |           |         |       |         |          |                 |                 |  |
| Project Description             | 2022 Fleet Replacement and Equipment |                  |                      |           |         |       |         |          |                 |                 |  |
| Project #                       | 5-15.02                              |                  |                      |           |         |       |         |          |                 |                 |  |
| Expenditures                    |                                      |                  |                      |           |         |       |         |          |                 |                 |  |
| Contractual Services            | 21,987.7                             | 3,675.7          | 1,273.0              | 1,862.3   | 2,579.6 | 489.5 | 1,819.2 | 10,288.5 |                 |                 |  |
| Total Direct Revenue            | 21,987.7                             | 3,675.7          | 1,273.0              | 1,862.3   | 2,579.6 | 489.5 | 1,819.2 | 10,288.5 |                 |                 |  |
| Net Requirements                | 21,987.7                             | 3,675.7          | 1,273.0              | 1,862.3   | 2,579.6 | 489.5 | 1,819.2 | 10,288.5 |                 |                 |  |
| To Be Financed From:            |                                      |                  |                      |           |         |       |         |          |                 |                 |  |
| Reserves                        |                                      |                  |                      |           |         |       |         |          |                 |                 |  |
| Trsf From DRES PW Veh. Replacem | 21,927.7                             | 3,615.7          | 1,273.0              | 1,862.3   | 2,579.6 | 489.5 | 1,819.2 | 10,288.5 |                 |                 |  |
| Waste Water Reserve             | 60.0                                 | 60.0             |                      |           |         |       |         |          |                 |                 |  |
| Total Reserves                  | 21,987.7                             | 3,675.7          | 1,273.0              | 1,862.3   | 2,579.6 | 489.5 | 1,819.2 | 10,288.5 |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-15.03**Division:** Public Works - Public Works**Climate Mitigation:** Yes**Project Name & Description**

Municipal Snow Storage Facility ECA and Compliance Improvements

**Commitments Made****Effects on Future Operating Budgets**

Annual maintenance and operation costs will be included in the budget requests for Winter Control - Roads within the Public Works Division.

**Project Detail, Justification & Reference Map**

In 2017, the Ministry of Environment and Climate Change identified that an Environmental Compliance Approval (ECA) would be required to operate the municipal snow storage facility located at the Wastewater Treatment Plant on Kennedy Rd. Preliminary works have been undertaken and a submission made to the Ministry of Environment, Conservation and Parks for their review and comment through their Technical Division.

It is anticipated that this will be a multi year project that will result in an ECA for the snow storage facility operations and maintenance. Minor modifications to the current snow storage facility will be accommodated. In conjunction with this project, there will be a managed forest plan for the Kennedy Rd woodlot located adjacent to the snow dump location. The intention is to improve and prolong the life of the woodlot area.

2021 saw the continuation of the ECA process and consultation process to support the design in 2022 and construction in 2023. This included additional monitoring, data collection and studies to respond to requests made through initial consultations.

**Accessibility Considerations**

Current AODA requirements will be met as part of Design and Construction



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---|------------------|----------------------|--------------|--------------|------|------|------|-----------------|-----------------|--|
|                           |   |                  |                      | 2022         | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services                            |                  |                      |              |              |      |      |      |                 |                 |  |
| Division                  | Public Works - Public Works                                     |                  |                      |              |              |      |      |      |                 |                 |  |
| Project Description       | Municipal Snow Storage Facility ECA and Compliance Improvements |                  |                      |              |              |      |      |      |                 |                 |  |
| Project #                 | 5-15.03   |                  |                      |              |              |      |      |      |                 |                 |  |
| Expenditures              |   |                  |                      |              |              |      |      |      |                 |                 |  |
| Contractual Services      |   | 1,050.0          | 300.0                | 425.0        | 325.0        |      |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>1,050.0</u>   | <u>300.0</u>         | <u>425.0</u> | <u>325.0</u> |      |      |      |                 |                 |  |
| Net Requirements          |   | <u>1,050.0</u>   | <u>300.0</u>         | <u>425.0</u> | <u>325.0</u> |      |      |      |                 |                 |  |
| To Be Financed From:      |   |                  |                      |              |              |      |      |      |                 |                 |  |
| Debentures                |   |                  |                      |              |              |      |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |   | 310.1            |                      | 310.1        |              |      |      |      |                 |                 |  |
| Total Debenture Financing |   | <u>310.1</u>     |                      | <u>310.1</u> |              |      |      |      |                 |                 |  |
| Development Charges       |   |                  |                      |              |              |      |      |      |                 |                 |  |
| DC - Public Works         |   | 114.9            |                      | 114.9        |              |      |      |      |                 |                 |  |
| Total Development Charges |   | <u>114.9</u>     |                      | <u>114.9</u> |              |      |      |      |                 |                 |  |
| Capital Levy              |   | <u>625.0</u>     | <u>300.0</u>         |              | <u>325.0</u> |      |      |      |                 |                 |  |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                                     | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |         |  |
|---|---------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|---------|--|
|   |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net     |  |
| Infrastructure and Planning Services                    |         |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |  |
| Public Works  |         |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |  |
| Urban Forest Management - Strategic Plan Implementation | 5-15.04 | 7,400.3       | 700.3             | 400.0       |     | 400.0    | 400.0    |         |     |       | 700.0 | 700.0 | 800.0 | 800.0 | 4,800.0      | 4,800.0 |  |
| Total   |         | 7,400.3       | 700.3             | 400.0       |     | 400.0    | 400.0    |         |     |       | 700.0 | 700.0 | 800.0 | 800.0 | 4,800.0      | 4,800.0 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-15.04**Division:** Public Works - Public Works**Climate Adaptation:** Yes**Project Name & Description**

Urban Forest Management - Strategic Plan Implementation

**Commitments Made**

Trees are intended to be replaced on a 3:1 ratio, subject to budget considerations in accordance with the Urban Forest Strategic Plan.

**Effects on Future Operating Budgets**

The maintenance of trees is funded through the Operating Budget.

**Project Detail, Justification & Reference Map**

- A work program has been created to develop and implement the Urban Forest Strategic Plan, which was updated in 2016.
- Administer and develop policy to advance the key objectives of an Urban Forestry Strategic Plan;
- Manage maintenance records to recognize progress in achieving key deliverables of the Urban Forest Strategic Plan;
- Renew the urban forest resource by planting trees along the right-of-way on public and open space;
- Provide assistance and expertise to private property owners to encourage and enhance the urban forest; and
- Administer and manage volunteer programs that support the Urban Forest Strategic Plan.

Funding has been allocated on the following basis:

- \$30,000 to implement the Urban Forest Strategic Plan; and
- \$205,000 to plant trees
- \$165,000 to staff/Contractual Services

**Accessibility Considerations**

N/A

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |  |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Infrastructure and Planning Services                       |                  |                      |              |              |              |              |              |                 |                 |  |
| Division             | Public Works - Public Works                                |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description  | Urban Forest Management - Strategic Plan<br>Implementation |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #            | 5-15.04  |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures         |  |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services | 7,400.3  | 700.3            | 400.0                | 700.0        | 800.0        | 800.0        | 800.0        | 800.0        | 3,200.0         |                 |  |
| Total Direct Revenue | <u>7,400.3</u>   | <u>700.3</u>     | <u>400.0</u>         | <u>700.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>3,200.0</u>  |                 |  |
| Net Requirements     | <u>7,400.3</u>   | <u>700.3</u>     | <u>400.0</u>         | <u>700.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>3,200.0</u>  |                 |  |
| To Be Financed From: |  |                  |                      |              |              |              |              |              |                 |                 |  |
| Capital Levy         | <u>7,400.3</u>   | <u>700.3</u>     | <u>400.0</u>         | <u>700.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>800.0</u> | <u>3,200.0</u>  |                 |  |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                          | Ref     | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |       |       | 2023     |         | 2024     |         | 2025 & After |          |
|--|---------|---------------|-------------------|-------------|---------|----------|----------|---------|-------|-------|----------|---------|----------|---------|--------------|----------|
|  |         |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb   | Other | Total    | Net     | Total    | Net     | Total        | Net      |
| Infrastructure and Planning Services Transit |         |               |                   |             |         |          |          |         |       |       |          |         |          |         |              |          |
| Transit Terminal Upgrades                    | 5-16.01 | 1,500.0       |                   | 1,500.0     | 1,099.5 | 400.5    | 137.2    | 263.3   |       |       |          |         |          |         |              |          |
| Transit Garage Replacement                   | 5-16.02 | 48,250.0      | 2,750.0           | 1,200.0     | 876.0   | 324.0    |          |         | 324.0 |       | 5,800.0  | 1,566.0 | 11,500.0 | 3,105.0 | 27,000.0     | 7,290.0  |
| Accessible Transit Stops                     | 5-16.03 | 2,199.2       | 199.2             | 500.0       | 366.5   | 133.5    |          |         | 133.5 |       | 500.0    | 133.5   | 500.0    | 133.5   | 500.0        | 133.5    |
| On-Demand Transit Pilot                      | 5-16.04 | 1,000.0       | 650.0             | 350.0       | 350.0   |          |          |         |       |       |          |         |          |         |              |          |
| Transit Stop Shelters                        | 5-16.05 | 975.4         | 175.4             | 200.0       | 146.6   | 53.4     |          | 53.4    |       |       | 200.0    | 53.4    | 200.0    | 53.4    | 200.0        | 53.4     |
| Conventional Bus Replacement                 | 5-16.06 | 19,791.0      | 3,975.0           |             |         |          |          |         |       |       | 3,816.0  | 1,017.7 | 3,900.0  | 1,041.3 | 8,100.0      | 2,162.7  |
| Phase 2 - Transit ITS Program                | 5-16.07 | 600.0         |                   |             |         |          |          |         |       |       | 600.0    | 600.0   |          |         |              |          |
| Downtown Transportation Hub and Route Review | 5-16.08 | 48,150.0      | 500.0             |             |         |          |          |         |       |       |          |         |          |         | 47,650.0     | 47,650.0 |
| Total  |         | 122,465.6     | 8,249.6           | 3,750.0     | 2,838.6 | 911.4    | 137.2    | 316.7   | 457.5 |       | 10,916.0 | 3,370.6 | 16,100.0 | 4,333.2 | 83,450.0     | 57,289.6 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-16.01**Division:** Transportation - Transit**Climate Mitigation:** Yes**Project Name & Description**

Transit Terminal Upgrades

**Commitments Made**

In July 2021 Council approved Report IPSTR21-013, which recommended a new transit route structure for the City to guide transit services.

**Effects on Future Operating Budgets**

A re-configured downtown terminal will improve flow of bus traffic and reduce delays which allows for improved route frequency with no increase in operating costs.

**Project Detail, Justification & Reference Map**

Funding for 2022 will be used to reconfigure a new platform in the existing bus terminal area which allows for pull-in and pull-out service to eliminate the need for buses to back up. This reconfiguration of the bus platforms will improve operational efficiency and safety for passengers.

**Accessibility Considerations**

The conceptual design will include accessibility requirements for new platform areas.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested      |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--------------------------------------|------------------|----------------------|----------------|------|------|------|------|-----------------|-----------------|--|
|                           |                                      |                  |                      | 2022           | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services |                  |                      |                |      |      |      |      |                 |                 |  |
| Division                  | Transportation - Transit             |                  |                      |                |      |      |      |      |                 |                 |  |
| Project Description       | Transit Terminal Upgrades            |                  |                      |                |      |      |      |      |                 |                 |  |
| Project #                 | 5-16.01                              |                  |                      |                |      |      |      |      |                 |                 |  |
| Expenditures              |                                      |                  |                      |                |      |      |      |      |                 |                 |  |
| Contractual Services      |                                      | 1,500.0          |                      | 1,500.0        |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>1,500.0</u>   |                      | <u>1,500.0</u> |      |      |      |      |                 |                 |  |
| Direct Revenue            |                                      |                  |                      |                |      |      |      |      |                 |                 |  |
| Provincial grant          |                                      | 499.5            |                      | 499.5          |      |      |      |      |                 |                 |  |
| Federal Grant             |                                      | 600.0            |                      | 600.0          |      |      |      |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>1,099.5</u>   |                      | <u>1,099.5</u> |      |      |      |      |                 |                 |  |
| Net Requirements          |                                      | <u>400.5</u>     |                      | <u>400.5</u>   |      |      |      |      |                 |                 |  |
| To Be Financed From:      |                                      |                  |                      |                |      |      |      |      |                 |                 |  |
| Development Charges       |                                      |                  |                      |                |      |      |      |      |                 |                 |  |
| DC - Transit              |                                      | 263.3            |                      | 263.3          |      |      |      |      |                 |                 |  |
| Total Development Charges |                                      | <u>263.3</u>     |                      | <u>263.3</u>   |      |      |      |      |                 |                 |  |
| Capital Levy              |                                      | <u>137.2</u>     |                      | <u>137.2</u>   |      |      |      |      |                 |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-16.02

**Division:** Transportation - Transit

**Climate Mitigation:** Yes

### Project Name & Description

Transit Garage Replacement

### Commitments Made

The 2012 Transit Review identified issues with the current substandard Townsend Street garage and impacts on the efficiency of vehicle maintenance activities.

In Report USDIR17-007, Council approved the award of a Transit Garage Location and Environmental Assessment Study to identify a location for a new Transit Storage Garage and obtain Environmental Approvals for the recommended site.

### Effects on Future Operating Budgets

Improve efficiency of maintenance, reduce long term maintenance costs, reduce staff time to shuttle buses from the Townsend Street Yard to the Public Works Yard at Webber Avenue.

### Project Detail, Justification & Reference Map

The current Transit Garage at the Townsend Street Yard only has capacity to store 42 buses plus Specialized buses inside. With a current conventional fleet of 58 buses, 9 Community Buses, and 11 Specialized (Handi-van) buses 16 conventional buses and the Community Bus fleet require outside overnight parking. With outdoor storage, vehicles cannot be properly washed and cleaned at the end of the day as the advanced accessibility features (kneeling buses, accessible ramps) may freeze up during the winter. Outdoor storage during the winter results in the need for buses to warm up on cold mornings, increasing idling and emissions. The inability to properly service and maintain buses reduces the life expectancy of the asset and increases longer term maintenance costs.

In April 2019, the Federal and Provincial Government announced the Investing in Canada Infrastructure Program - Transit Stream, which will provide up to \$57 Million in Transit Infrastructure funding to the City over the 2020-2027 period. Federal contributions of 40% of eligible project costs and Provincial contributions of 33% must be matched by Municipal contributions of 27% to be eligible for receipt of funding approval. The design and replacement of the Transit Garage will be included as part of the City's 2nd funding intake. Funds requested for 2022 will be used for site preparation activities for a new garage site, to advance design of a new facility and to implement some minor upgrades to keep the existing garage in service until a new garage can be constructed.

### Accessibility Considerations

Interior spaces in the building will be fully accessible.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |          |          |          | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------------|--------------------------------------|------------------|----------------------|-----------|---------|----------|----------|----------|-----------------|-----------------|
|                                |                                      |                  |                      | 2022      | 2023    | 2024     | 2025     | 2026     |                 |                 |
| Department                     | Infrastructure and Planning Services |                  |                      |           |         |          |          |          |                 |                 |
| Division                       | Transportation - Transit             |                  |                      |           |         |          |          |          |                 |                 |
| Project Description            | Transit Garage Replacement           |                  |                      |           |         |          |          |          |                 |                 |
| Project #                      | 5-16.02                              |                  |                      |           |         |          |          |          |                 |                 |
| Expenditures                   |                                      |                  |                      |           |         |          |          |          |                 |                 |
| Contractual Services           | 48,250.0                             | 2,750.0          |                      | 1,200.0   | 5,800.0 | 11,500.0 | 14,600.0 | 12,400.0 |                 |                 |
| Total Direct Revenue           | 48,250.0                             | 2,750.0          |                      | 1,200.0   | 5,800.0 | 11,500.0 | 14,600.0 | 12,400.0 |                 |                 |
| Direct Revenue                 |                                      |                  |                      |           |         |          |          |          |                 |                 |
| Provincial grant               | 15,015.0                             |                  |                      | 396.0     | 1,914.0 | 3,795.0  | 4,818.0  | 4,092.0  |                 |                 |
| Federal Grant                  | 18,200.0                             |                  |                      | 480.0     | 2,320.0 | 4,600.0  | 5,840.0  | 4,960.0  |                 |                 |
| Federal Grant Capital Assets   | 450.0                                | 450.0            |                      |           |         |          |          |          |                 |                 |
| Total Direct Revenue           | 33,665.0                             | 450.0            |                      | 876.0     | 4,234.0 | 8,395.0  | 10,658.0 | 9,052.0  |                 |                 |
| Net Requirements               | 14,585.0                             | 2,300.0          |                      | 324.0     | 1,566.0 | 3,105.0  | 3,942.0  | 3,348.0  |                 |                 |
| To Be Financed From:           |                                      |                  |                      |           |         |          |          |          |                 |                 |
| Debentures                     |                                      |                  |                      |           |         |          |          |          |                 |                 |
| Deb Rev-Tax Supported          | 12,911.0                             | 2,300.0          |                      | 279.8     | 1,352.6 | 2,681.9  | 3,404.9  | 2,891.8  |                 |                 |
| Deb Revenue - Development Chgs | 1,674.0                              |                  |                      | 44.2      | 213.4   | 423.1    | 537.1    | 456.2    |                 |                 |
| Total Debenture Financing      | 14,585.0                             | 2,300.0          |                      | 324.0     | 1,566.0 | 3,105.0  | 3,942.0  | 3,348.0  |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-16.03**Division:** Transportation - Transit**Climate Mitigation:** Yes**Project Name & Description**

Accessible Transit Stops

**Commitments Made****Effects on Future Operating Budgets**

Increased maintenance costs including winter control.

**Project Detail, Justification & Reference Map**

The conventional transit system is currently supported by over 620 public transit stops, many of which are not fully accessible. Although progress has been made to achieve a fully accessible transit fleet, many transit stops continue to pose barriers such as full height curbs, steps, and grass boulevards. Under this project public transit stops are reconstructed to be fully accessible and compliant with AODA Transportation and Built Environment standards.

It is estimated that 65% of the 620 transit stops in the city are fully accessible, with approximately 220 requiring additional work.

A program of further transit stop accessibility upgrades will be included as part of the City's 2nd funding intake of the Investing in Canada Infrastructure Program for Transit, and upgrades can be prioritized based on the reconfigured transit route system. Requested funding for 2022-2025 will provide the 26.7% municipal contribution towards this ongoing program.

**Accessibility Considerations**

This project will make transit stops accessible by providing concrete pads and connections to existing sidewalks for passengers using mobility devices.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--------------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|------|-----------------|-----------------|--|
|                           |                                      |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services |                  |                      |              |              |              |              |      |                 |                 |  |
| Division                  | Transportation - Transit             |                  |                      |              |              |              |              |      |                 |                 |  |
| Project Description       | Accessible Transit Stops             |                  |                      |              |              |              |              |      |                 |                 |  |
| Project #                 | 5-16.03                              |                  |                      |              |              |              |              |      |                 |                 |  |
| Expenditures              |                                      |                  |                      |              |              |              |              |      |                 |                 |  |
| Contractual Services      |                                      | 2,199.2          | 199.2                | 500.0        | 500.0        | 500.0        | 500.0        |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>2,199.2</u>   | <u>199.2</u>         | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> |      |                 |                 |  |
| Direct Revenue            |                                      |                  |                      |              |              |              |              |      |                 |                 |  |
| Provincial grant          |                                      | 732.3            | 66.3                 | 166.5        | 166.5        | 166.5        | 166.5        |      |                 |                 |  |
| Federal Grant             |                                      | 879.7            | 79.7                 | 200.0        | 200.0        | 200.0        | 200.0        |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>1,612.0</u>   | <u>146.0</u>         | <u>366.5</u> | <u>366.5</u> | <u>366.5</u> | <u>366.5</u> |      |                 |                 |  |
| Net Requirements          |                                      | <u>587.2</u>     | <u>53.2</u>          | <u>133.5</u> | <u>133.5</u> | <u>133.5</u> | <u>133.5</u> |      |                 |                 |  |
| To Be Financed From:      |                                      |                  |                      |              |              |              |              |      |                 |                 |  |
| Debentures                |                                      |                  |                      |              |              |              |              |      |                 |                 |  |
| Deb Rev-Tax Supported     |                                      | 133.5            |                      | 133.5        |              |              |              |      |                 |                 |  |
| Total Debenture Financing |                                      | <u>133.5</u>     |                      | <u>133.5</u> |              |              |              |      |                 |                 |  |
| Capital Levy              |                                      | <u>453.7</u>     | <u>53.2</u>          |              | <u>133.5</u> | <u>133.5</u> | <u>133.5</u> |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-16.04**Division:** Transportation - Transit**Climate Mitigation:** Yes**Project Name & Description**

On-Demand Transit Pilot Project

**Commitments Made**

In July 2021 Council approved Report IPSTR21-013. As part of that report Council approved the implementation of a pilot project for On-Demand Transit Services.

**Effects on Future Operating Budgets**

The pilot project will allow for testing of different service options, and provide better information to assess future impacts on Operating Budgets.

**Project Detail, Justification & Reference Map**

On-Demand Transit is a modern evolution of the former demand responsive transit service that many municipalities, including Peterborough, used to operate. In Peterborough this was the former dial-a-bus service.

Instead of fixed transit routes, users request a pick-up and drop-off location (usually at a regular transit stop), the time they are wanting to travel, and other information (i.e. accessibility needs) and the automated system determines which vehicle should provide pick up, the route the vehicle should take to get them to their destination stop, and opportunities to pick up other passengers along the way. Modern On-Demand systems utilize advanced technology and advanced algorithms to optimize all of the above factors users can book rides and received updates on when their bus will arrive via their smart phones. In many cases, the efficiency of the On-Demand system can also reduce the number of vehicles that need to be in service to accommodate all trip requests at certain times of the day.

The Transit Route Review recommended three different applications for On-Demand Transit be piloted including new service in high need areas without fixed transit routes, replacing some fixed routes during low ridership periods of the day, and to enhance the Specialized Transit service.

**Accessibility Considerations**

On-Demand Transit would use fully accessible buses and would pick up passengers at designated transit stops. Options in some software applications allow users to specify in advance if they need to use accessibility features or require an accessible stop for pick-up or drop off locations.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                   |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------------|--------------------------------------|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                                   |                                      |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                        | Infrastructure and Planning Services |                  |                      |           |      |      |      |      |                 |                 |
| Division                          | Transportation - Transit             |                  |                      |           |      |      |      |      |                 |                 |
| Project Description               | On-Demand Transit Pilot              |                  |                      |           |      |      |      |      |                 |                 |
| Project #                         | 5-16.04                              |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures                      |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services              | 1,000.0                              | 650.0            | 350.0                |           |      |      |      |      |                 |                 |
| Total Direct Revenue              | <u>1,000.0</u>                       | <u>650.0</u>     | <u>350.0</u>         |           |      |      |      |      |                 |                 |
| Direct Revenue                    |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Provincial grant                  | 150.0                                | 150.0            |                      |           |      |      |      |      |                 |                 |
| Contribution from related project | 350.0                                |                  | 350.0                |           |      |      |      |      |                 |                 |
| Total Direct Revenue              | <u>500.0</u>                         | <u>150.0</u>     | <u>350.0</u>         |           |      |      |      |      |                 |                 |
| Net Requirements                  | <u>500.0</u>                         | <u>500.0</u>     |                      |           |      |      |      |      |                 |                 |
| To Be Financed From:              |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                          |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Transit Capital Reserve           | 500.0                                | 500.0            |                      |           |      |      |      |      |                 |                 |
| Total Reserves                    | <u>500.0</u>                         | <u>500.0</u>     |                      |           |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-16.05**Division:** Transportation - Transit**Project Name & Description**

Transit Stops and Shelter

**Commitments Made****Effects on Future Operating Budgets**

Maintenance costs average approximately \$1,000 per year per shelter. Increased advertising revenue can be expected as additional shelters are added to the inventory.

**Project Detail, Justification & Reference Map**

The program consists of construction of concrete pads and new shelters (comprised of a mix of 4x8', 4x12' and 8x12' transit shelters) to accommodate various levels of passenger demand. Shelters are glass design with doomed roof complete with interior seating benches and some have solar lighting and provide advertising opportunities.

The Investing in Canada Infrastructure Program - Transit Stream, will provide up to \$57 Million in Transit Infrastructure funding to the City over the 2020-2027 period. Federal contributions of 40% of eligible project costs and Provincial contributions of 33% must be matched by Municipal contributions of 27% to be eligible for receipt of funding approval.

A program of further transit stop and shelter upgrades will be included as part of the City's 2nd funding intake, to support the reconfiguration of Transit Routes. Shelter locations can be prioritized based on the reconfigured route system. Requested funding in 2022-2025, will provide the City's 26.7% contribution towards this program.

**Accessibility Considerations**

The stop upgrades enhance accessibility and each shelter is barrier free and designed to accommodate passengers with mobility devices.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|--------------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|------|-----------------|-----------------|--|
|                           |                                      |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services |                  |                      |              |              |              |              |      |                 |                 |  |
| Division                  | Transportation - Transit             |                  |                      |              |              |              |              |      |                 |                 |  |
| Project Description       | Transit Stop Shelters                |                  |                      |              |              |              |              |      |                 |                 |  |
| Project #                 | 5-16.05                              |                  |                      |              |              |              |              |      |                 |                 |  |
| Expenditures              |                                      |                  |                      |              |              |              |              |      |                 |                 |  |
| Contractual Services      |                                      | 975.4            | 175.4                | 200.0        | 200.0        | 200.0        | 200.0        |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>975.4</u>     | <u>175.4</u>         | <u>200.0</u> | <u>200.0</u> | <u>200.0</u> | <u>200.0</u> |      |                 |                 |  |
| Direct Revenue            |                                      |                  |                      |              |              |              |              |      |                 |                 |  |
| Provincial grant          |                                      | 324.8            | 58.4                 | 66.6         | 66.6         | 66.6         | 66.6         |      |                 |                 |  |
| Federal Grant             |                                      | 390.1            | 70.1                 | 80.0         | 80.0         | 80.0         | 80.0         |      |                 |                 |  |
| Total Direct Revenue      |                                      | <u>714.9</u>     | <u>128.5</u>         | <u>146.6</u> | <u>146.6</u> | <u>146.6</u> | <u>146.6</u> |      |                 |                 |  |
| Net Requirements          |                                      | <u>260.4</u>     | <u>46.8</u>          | <u>53.4</u>  | <u>53.4</u>  | <u>53.4</u>  | <u>53.4</u>  |      |                 |                 |  |
| To Be Financed From:      |                                      |                  |                      |              |              |              |              |      |                 |                 |  |
| Development Charges       |                                      |                  |                      |              |              |              |              |      |                 |                 |  |
| DC - Transit              |                                      | 260.4            | 46.8                 | 53.4         | 53.4         | 53.4         | 53.4         |      |                 |                 |  |
| Total Development Charges |                                      | <u>260.4</u>     | <u>46.8</u>          | <u>53.4</u>  | <u>53.4</u>  | <u>53.4</u>  | <u>53.4</u>  |      |                 |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-16.06

**Division:** Transportation - Transit

**Climate Mitigation:** Yes

### Project Name & Description

Conventional Bus Replacement

### Commitments Made

In July 2021 Council approved Report IPSTR21-013. In approving this report, Council reassigned 2022 capital funding for expansion buses to 2023 in order to fund the conventional bus replacement program.

### Effects on Future Operating Budgets

Replacement vehicles will improve the age of the fleet, reducing maintenance costs and improving fuel efficiency.

### Project Detail, Justification & Reference Map

The City has a fleet of 58 conventional buses and 9 Community Bus vehicles. The Transit Route Review and Long Term Growth Study assessed fleet requirements for the recommended service plan and determined that no new expansion buses were required in the near term. Funding previously identified for new bus expansion in 2022 was recommended to be reallocated to the Bus Replacement Program as part of the asset management program for the fleet.

The replacement of the Conventional Bus Fleet was included as one of 5 projects approved in June 2020 as part of the City's 1st funding intake under the Investing in Canada Infrastructure Program - Transit Stream, and the reallocation of funding and extension of this project was approved in 2021. Funding for 2023 will be used to purchase up to three buses to replace older vehicles in the fleet.

A study examining Alternate fuel vehicles for the transit fleet was initiated in 2021 and is expected to be completed in Q2 of 2022, which will provide the information to guide the type of buses to purchase under this project and for future replacements. Replacement of the remaining vehicles in the fleet will follow in subsequent funding applications.

### Accessibility Considerations

All conventional transit buses are low floor, fully accessible vehicles and are equipped with required equipment in accordance with the Accessibility for Ontarians with Disabilities Act (AODA)



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |         |         |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|------------------|----------------------|-----------|---------|---------|---------|------|-----------------|-----------------|
|                           |                                      |                  |                      | 2022      | 2023    | 2024    | 2025    | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services |                  |                      |           |         |         |         |      |                 |                 |
| Division                  | Transportation - Transit             |                  |                      |           |         |         |         |      |                 |                 |
| Project Description       | Conventional Bus Replacement         |                  |                      |           |         |         |         |      |                 |                 |
| Project #                 | 5-16.06                              |                  |                      |           |         |         |         |      |                 |                 |
| Expenditures              |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Contractual Services      | 19,791.0                             | 3,975.0          |                      | 3,816.0   | 3,900.0 | 4,000.0 | 4,100.0 |      |                 |                 |
|                           |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Direct Revenue            |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Provincial grant          | 6,592.7                              | 1,324.9          |                      | 1,271.9   | 1,298.7 | 1,332.0 | 1,365.3 |      |                 |                 |
| Federal Grant             | 7,916.4                              | 1,590.0          |                      | 1,526.4   | 1,560.0 | 1,600.0 | 1,640.0 |      |                 |                 |
| Total Direct Revenue      | 14,509.1                             | 2,914.9          |                      | 2,798.3   | 2,858.7 | 2,932.0 | 3,005.3 |      |                 |                 |
| Net Requirements          | 5,281.9                              | 1,060.1          |                      | 1,017.7   | 1,041.3 | 1,068.0 | 1,094.7 |      |                 |                 |
| To Be Financed From:      |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Debentures                |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Deb Rev-Tax Supported     | 2,351.8                              | 530.1            |                      | 417.7     | 441.3   | 468.0   | 494.7   |      |                 |                 |
| Total Debenture Financing | 2,351.8                              | 530.1            |                      | 417.7     | 441.3   | 468.0   | 494.7   |      |                 |                 |
| Reserves                  |                                      |                  |                      |           |         |         |         |      |                 |                 |
| Casino Gaming Reserve     | 530.1                                | 530.1            |                      |           |         |         |         |      |                 |                 |
| Transit Capital Reserve   | 2,400.0                              |                  |                      | 600.0     | 600.0   | 600.0   | 600.0   |      |                 |                 |
| Total Reserves            | 2,930.1                              | 530.1            |                      | 600.0     | 600.0   | 600.0   | 600.0   |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-16.07**Division:** Transportation - Transit**Climate Mitigation:** Yes**Project Name & Description**

Phase 2 - Transit ITS Program

**Commitments Made**

Report ISPTR18-014, dated May 28, 2018, awarded a new Intelligent Transit System (ITS) for Transit which included new camera installations and ITS Equipment on all transit vehicles.

**Effects on Future Operating Budgets**

Some increase in annual software licensing costs and replacement of ITS components will be required.

**Project Detail, Justification & Reference Map**

Phase 1 of the ITS program installed cameras on buses, automatic passenger counters, and advanced vehicle location equipment along with software to provide real time bus arrival times and enhanced travel information for customers.

Phase 2 of the Transit ITS program will build upon the technology platform developed in Phase 1 and will include enhanced equipment to allow for buses to benefit from Transit Priority at intersections and may also include the provision of Wi-Fi on board the buses to facilitate cashless fare payment through the HotSpot app and USB chargers for passengers. Opportunities to add exterior collision warning sensors to warn drivers of hazards that may not be visible or hidden in blind spots will also be considered.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--------------------------------------|------------------|----------------------|-----------|--------------|------|------|------|-----------------|-----------------|
|                      |                                      |                  |                      | 2022      | 2023         | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services |                  |                      |           |              |      |      |      |                 |                 |
| Division             | Transportation - Transit             |                  |                      |           |              |      |      |      |                 |                 |
| Project Description  | Phase 2 - Transit ITS Program        |                  |                      |           |              |      |      |      |                 |                 |
| Project #            | 5-16.07                              |                  |                      |           |              |      |      |      |                 |                 |
| Expenditures         |                                      |                  |                      |           |              |      |      |      |                 |                 |
| Contractual Services |                                      | 600.0            |                      |           | 600.0        |      |      |      |                 |                 |
| Net Requirements     |                                      | <u>600.0</u>     |                      |           | <u>600.0</u> |      |      |      |                 |                 |
| To Be Financed From: |                                      |                  |                      |           |              |      |      |      |                 |                 |
| Capital Levy         |                                      | <u>600.0</u>     |                      |           | <u>600.0</u> |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-16.08**Division:** Transportation - Transit**Climate Mitigation:** Yes**Project Name & Description**

Downtown Transportation Hub and Route Review

**Commitments Made**

In July 2021 Council approved Report IPSTR21-013, which recommended a new transit route structure for the City to guide transit services.

**Effects on Future Operating Budgets**

A re-configured downtown terminal will improve flow of bus traffic and reduce delays which allows for improved route frequency with no increase in operating costs.

**Project Detail, Justification & Reference Map**

The Downtown Public Transit Terminal underwent a major upgrade to the customer service and office areas at the Transit Terminal, and repairs to the Parkade were completed in 2016 to extend the life of the existing structure.

In the longer term, a new terminal may be required as services and the number of routes grow over time. Locations for a new terminal will be subject to future study pending decisions on the proposed Via High Frequency Rail project being contemplated by the Federal Government, and other major land use proposals in the downtown.

**Accessibility Considerations**

A new or upgraded downtown Transit Terminal will include accessibility requirements for new platform and customer service areas.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |                 |                 | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--|------------------|----------------------|-----------|------|------|-----------------|-----------------|-----------------|-----------------|
|                           |  |                  |                      | 2022      | 2023 | 2024 | 2025            | 2026            |                 |                 |
| Department                | Infrastructure and Planning Services         |                  |                      |           |      |      |                 |                 |                 |                 |
| Division                  | Transportation - Transit                     |                  |                      |           |      |      |                 |                 |                 |                 |
| Project Description       | Downtown Transportation Hub and Route Review |                  |                      |           |      |      |                 |                 |                 |                 |
| Project #                 | 5-16.08                                      |                  |                      |           |      |      |                 |                 |                 |                 |
| Expenditures              |  |                  |                      |           |      |      |                 |                 |                 |                 |
| Contractual Services      |  | 48,150.0         | 500.0                |           |      |      | 17,650.0        | 30,000.0        |                 |                 |
| Total Direct Revenue      |  | <u>48,150.0</u>  | <u>500.0</u>         |           |      |      | <u>17,650.0</u> | <u>30,000.0</u> |                 |                 |
| Net Requirements          |  | <u>48,150.0</u>  | <u>500.0</u>         |           |      |      | <u>17,650.0</u> | <u>30,000.0</u> |                 |                 |
| To Be Financed From:      |  |                  |                      |           |      |      |                 |                 |                 |                 |
| Debentures                |  |                  |                      |           |      |      |                 |                 |                 |                 |
| Deb Rev-Tax Supported     |  | 39,769.3         |                      |           |      |      | 9,769.3         | 30,000.0        |                 |                 |
| DEBT DC-Parking           |  | 4,728.4          |                      |           |      |      | 4,728.4         |                 |                 |                 |
| Total Debenture Financing |  | <u>44,497.7</u>  |                      |           |      |      | <u>14,497.7</u> | <u>30,000.0</u> |                 |                 |
| Development Charges       |  |                  |                      |           |      |      |                 |                 |                 |                 |
| DC - Transit              |  | 3,152.3          |                      |           |      |      | 3,152.3         |                 |                 |                 |
| Total Development Charges |  | <u>3,152.3</u>   |                      |           |      |      | <u>3,152.3</u>  |                 |                 |                 |
| Reserves                  |  |                  |                      |           |      |      |                 |                 |                 |                 |
| Transit Capital Reserve   |  | 50.0             | 50.0                 |           |      |      |                 |                 |                 |                 |
| Parking Reserve           |  | 50.0             | 50.0                 |           |      |      |                 |                 |                 |                 |
| Total Reserves            |  | <u>100.0</u>     | <u>100.0</u>         |           |      |      |                 |                 |                 |                 |
| Capital Levy              |  | <u>400.0</u>     | <u>400.0</u>         |           |      |      |                 |                 |                 |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                  | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |         |       | 2023  |       | 2024  |       | 2025 & After |         |
|--------------------------------------|---------|---------------|-------------------|-------------|-----|----------|----------|---------|---------|-------|-------|-------|-------|-------|--------------|---------|
|                                      |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb     | Other | Total | Net   | Total | Net   | Total        | Net     |
| Infrastructure and Planning Services |         |               |                   |             |     |          |          |         |         |       |       |       |       |       |              |         |
| Parking                              |         |               |                   |             |     |          |          |         |         |       |       |       |       |       |              |         |
| Simcoe Street Rehabilitation 2019    | 5-17.01 | 3,410.0       | 1,910.0           | 1,500.0     |     | 1,500.0  |          |         | 1,500.0 |       |       |       |       |       |              |         |
| Parking Equipment Purchases          | 5-17.02 | 1,831.3       | 375.3             | 115.8       |     | 115.8    |          |         |         | 115.8 | 121.6 | 121.6 | 127.6 | 127.6 | 1,091.1      | 1,091.1 |
| Total                                |         | 5,241.3       | 2,285.3           | 1,615.8     |     | 1,615.8  |          |         | 1,500.0 | 115.8 | 121.6 | 121.6 | 127.6 | 127.6 | 1,091.1      | 1,091.1 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-17.01

**Division:** Transportation - Parking

### Project Name & Description

Simcoe Street Rehabilitation 2019

### Commitments Made

The 2021 budget included a pre-commitment of \$1.5 million of 2022 Capital funding for this project.

### Effects on Future Operating Budgets

Lower maintenance costs and improved public safety features.

### Project Detail, Justification & Reference Map

The Simcoe Street Parkade was constructed in 1974 and is a 4-1/2 storey split-level, above grade, parking structure. The parking structure has undergone one major rehabilitation program between 2002 and 2005. In 2013, a structural review of the Simcoe Street Parking Garage was conducted with the results indicating structural and mechanical repairs would be required. The first phase of repairs at the Simcoe Street Garage were completed in 2016. Phase 1 of the second rehabilitation program started in 2016 at a cost of \$790,000 and focused on replacing deteriorated concrete on structural beams, updating the drainage systems, and localized repairs to the concrete deck surface, waterproofing systems and expansion joints. An updated structural review completed in 2017 identified a further \$2.3 million in work to replace the waterproofing system and repair deteriorated concrete in the structure.

Partial funding of \$1.5 M for the rehabilitation work was provided in the 2021 Capital Budget and an additional \$1.5 M was pre-approved for 2022 as part of the 2021 budget process. Work commenced in the summer of 2021 on the rehabilitation of the garage and is being co-ordinated with work on the Jackson Creek culvert, under the parking garage in order to realize cost savings and minimize disruption to parking customers. The project is expected to be completed in the spring of 2022.

### Accessibility Considerations

Opportunities to enhance accessibility for the garage areas will be considered in the safety upgrade and rehabilitation project.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------------------------|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                           |                                      |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services |                  |                      |           |      |      |      |      |                 |                 |
| Division                  | Transportation - Parking             |                  |                      |           |      |      |      |      |                 |                 |
| Project Description       | Simcoe Street Rehabilitation 2019    |                  |                      |           |      |      |      |      |                 |                 |
| Project #                 | 5-17.01                              |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures              |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services      | 3,410.0                              | 1,910.0          | 1,500.0              |           |      |      |      |      |                 |                 |
| Total Direct Revenue      | <u>3,410.0</u>                       | <u>1,910.0</u>   | <u>1,500.0</u>       |           |      |      |      |      |                 |                 |
| Net Requirements          | <u>3,410.0</u>                       | <u>1,910.0</u>   | <u>1,500.0</u>       |           |      |      |      |      |                 |                 |
| To Be Financed From:      |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Debentures                |                                      |                  |                      |           |      |      |      |      |                 |                 |
| Deb Rev-Tax Supported     | 3,410.0                              | 1,910.0          | 1,500.0              |           |      |      |      |      |                 |                 |
| Total Debenture Financing | <u>3,410.0</u>                       | <u>1,910.0</u>   | <u>1,500.0</u>       |           |      |      |      |      |                 |                 |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-17.02**Division:** Transportation - Parking**Project Name & Description**

Parking Equipment Purchases

**Commitments Made**

In November 2017, in considering Report USTR17-018, Council approved a Strategic Downtown Parking Management Study to guide parking operations for the next ten years. Investments in new parking equipment at surface lots and in the parking garages were included in the study recommendations.

**Effects on Future Operating Budgets**

Newer equipment will result in lower maintenance costs at off-street and on-street lots. Automated parking controls may increase revenues through improved management of parking transactions and allow staff resources to be reassigned to other parking enforcement duties.

**Project Detail, Justification & Reference Map**

This is an ongoing program to purchase new parking equipment for the Simcoe and King Street Parking Garages, various surface lots, and on-street parking spaces. In past years, items purchased through this program included: pay and display machines; kiosks, gate arms, and cash/logic revenue systems at garages; handheld ticketing devices; etc.

In 2021, pre-approved funding was used to replace the parking management system at both the King Street Parkade and the Simcoe Street Parking Garage. The new system includes automated gate arms, automated pay stations (both on foot and in vehicle) and advanced technology for pass holders to improve the efficiency for access and exit from the garage and for managing their monthly accounts. The new system includes additional modern payment options, and will include signage improvements at the entrances to the garage to provide real time capacity information to indicate if the garage is full or how many spaces are available.

Requested funding in 2022 will be used to purchase new enforcement equipment to improve the efficiency for in-car and foot patrol enforcement by implementing plate recognition software to integrate with the Hotspot parking system and automatically populate tickets to reduce errors.

**Accessibility Considerations**

New parking equipment in the garages is fully accessible in accordance with current standards and best practices.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--------------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                      |                                      |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department           | Infrastructure and Planning Services |                  |                      |              |              |              |              |              |                 |                 |
| Division             | Transportation - Parking             |                  |                      |              |              |              |              |              |                 |                 |
| Project Description  | Parking Equipment Purchases          |                  |                      |              |              |              |              |              |                 |                 |
| Project #            | 5-17.02                              |                  |                      |              |              |              |              |              |                 |                 |
| Expenditures         |                                      |                  |                      |              |              |              |              |              |                 |                 |
| Contractual Services |                                      | 1,831.3          | 375.3                | 115.8        | 121.6        | 127.6        | 134.0        | 140.7        | 816.4           |                 |
| Total Direct Revenue |                                      | <u>1,831.3</u>   | <u>375.3</u>         | <u>115.8</u> | <u>121.6</u> | <u>127.6</u> | <u>134.0</u> | <u>140.7</u> | <u>816.4</u>    |                 |
| Net Requirements     |                                      | <u>1,831.3</u>   | <u>375.3</u>         | <u>115.8</u> | <u>121.6</u> | <u>127.6</u> | <u>134.0</u> | <u>140.7</u> | <u>816.4</u>    |                 |
| To Be Financed From: |                                      |                  |                      |              |              |              |              |              |                 |                 |
| Reserves             |                                      |                  |                      |              |              |              |              |              |                 |                 |
| Parking Reserve      |                                      | 1,831.3          | 375.3                | 115.8        | 121.6        | 127.6        | 134.0        | 140.7        | 816.4           |                 |
| Total Reserves       |                                      | <u>1,831.3</u>   | <u>375.3</u>         | <u>115.8</u> | <u>121.6</u> | <u>127.6</u> | <u>134.0</u> | <u>140.7</u> | <u>816.4</u>    |                 |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                                 | Ref     | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |       |       | 2023    |         | 2024    |         | 2025 & After |         |
|---|---------|---------------|-------------------|-------------|---------|----------|----------|---------|-------|-------|---------|---------|---------|---------|--------------|---------|
|   |         |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb   | Other | Total   | Net     | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services                |         |               |                   |             |         |          |          |         |       |       |         |         |         |         |              |         |
| Traffic and Transportation                          |         |               |                   |             |         |          |          |         |       |       |         |         |         |         |              |         |
| Smart Signal Implementation                         | 5-18.01 | 2,000.0       |                   | 1,000.0     | 1,000.0 |          |          |         |       |       | 1,000.0 | 500.0   |         |         |              |         |
| Traffic Signal Controller Replacement Program       | 5-18.02 | 2,997.3       | 1,427.4           | 748.2       |         | 748.2    |          |         | 748.2 |       | 521.7   | 521.7   | 300.0   | 300.0   |              |         |
| Traffic Calming Program                             | 5-18.03 | 4,503.8       | 325.0             | 350.0       |         | 350.0    | 350.0    |         |       |       | 700.0   | 700.0   | 700.0   | 700.0   | 2,428.8      | 2,428.8 |
| Traffic Signal Infrastructure                       | 5-18.04 | 2,547.6       | 612.2             | 168.8       |         | 168.8    | 168.8    |         |       |       | 173.9   | 173.9   | 179.1   | 179.1   | 1,413.6      | 1,413.6 |
| Traffic Signal Uninterrupted Power Supply Equipment | 5-18.05 | 400.2         | 146.8             | 166.4       |         | 166.4    |          |         | 166.4 |       | 87.0    | 87.0    |         |         |              |         |
| Intersection Pedestrian Safety Enhancements         | 5-18.06 | 646.8         | 309.1             | 109.3       |         | 109.3    | 109.3    |         |       |       | 112.6   | 112.6   | 115.9   | 115.9   |              |         |
| Tourism Wayfinding Sign Program                     | 5-18.07 | 275.0         | 100.0             | 75.0        |         | 75.0     |          |         |       | 75.0  | 50.0    | 50.0    | 50.0    | 50.0    |              |         |
| Traffic Improvements                                | 5-18.08 | 945.2         | 129.7             | 71.1        |         | 71.1     | 71.1     |         |       |       | 73.3    | 73.3    | 75.5    | 75.5    | 595.6        | 595.6   |
| New Traffic Control and Street Name Signs           | 5-18.09 | 72.1          | 35.0              | 37.1        |         | 37.1     | 15.9     |         |       | 21.2  |         |         |         |         |              |         |
| Total   |         | 14,388.0      | 3,085.2           | 2,725.9     | 1,000.0 | 1,725.9  | 715.1    |         | 914.6 | 96.2  | 2,718.4 | 2,218.4 | 1,420.5 | 1,420.5 | 4,438.0      | 4,438.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-18.01**Division:** Transportation - Traffic and Transportation**Climate Mitigation:** Yes**Project Name & Description**

Smart Traffic Signal Implementation

**Commitments Made**

Council, in approving Report USDIR18-002, established funding for a series of Transportation studies and improvements including the development of a Signal System Update Program. Report IPSTR20-020 approved a Smart Signal Pilot Project on Lansdowne Street.

**Effects on Future Operating Budgets**

Full implementation of Smart Traffic Signals will result in some increased operational costs such as additional dedicated staff resources to run the system, maintenance of the high tech detection equipment, and increased annual costs for data communication and networking.

**Project Detail, Justification & Reference Map**

This project will focus on funding the installation of field equipment necessary to implement a "Smart Traffic Signal" system across the city, where the traffic signals can detect prevailing traffic demands and traffic flow conditions in real time, and automatically adapt the signal settings to optimize the flow of traffic along major arterial roads. In 2021, work was initiated to upgrade approximately 130 traffic signal controllers across the City, and an adaptive traffic signal control system was piloted on Lansdowne Street between Webber Avenue and Monaghan Road. In 2022, work will continue with field implementation of new equipment needed for Smart Signals on additional arterial roads. This work will include enhancements to the communication infrastructure in the field, so that traffic signal controllers at various intersections can share data and communicate in real time. Implementation will be coordinated with ongoing construction projects. More efficient flow of traffic can result in reduced congestion, lower emissions, reduced vehicle idling, and fewer accidents. The system can be programmed to assist Emergency Response Vehicles by allowing for pre-emption and enhanced control of traffic signals. Requested funding in 2022 will allow for implementation of Smart Signal Technology at approximately 20 intersections.

**Accessibility Considerations**

Opportunities to upgrade existing signals to provide audible pedestrian signals will be incorporated where possible.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |   | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------------|---|------------------|----------------------|----------------|----------------|------|------|------|-----------------|-----------------|
|                                   |   |                  |                      | 2022           | 2023           | 2024 | 2025 | 2026 |                 |                 |
| Department                        | Infrastructure and Planning Services        |                  |                      |                |                |      |      |      |                 |                 |
| Division                          | Transportation - Traffic and Transportation |                  |                      |                |                |      |      |      |                 |                 |
| Project Description               | Smart Signal Implementation                 |                  |                      |                |                |      |      |      |                 |                 |
| Project #                         | 5-18.01                                     |                  |                      |                |                |      |      |      |                 |                 |
| Expenditures                      |   |                  |                      |                |                |      |      |      |                 |                 |
| Contractual Services              | 2,000.0                                     |                  |                      | 1,000.0        | 1,000.0        |      |      |      |                 |                 |
| Total Direct Revenue              | <u>2,000.0</u>                              |                  |                      | <u>1,000.0</u> | <u>1,000.0</u> |      |      |      |                 |                 |
| Direct Revenue                    |   |                  |                      |                |                |      |      |      |                 |                 |
| Contribution from related project | 1,500.0                                     |                  |                      | 1,000.0        | 500.0          |      |      |      |                 |                 |
| Total Direct Revenue              | <u>1,500.0</u>                              |                  |                      | <u>1,000.0</u> | <u>500.0</u>   |      |      |      |                 |                 |
| Net Requirements                  | <u>500.0</u>                                |                  |                      |                | <u>500.0</u>   |      |      |      |                 |                 |
| To Be Financed From:              |   |                  |                      |                |                |      |      |      |                 |                 |
| Capital Levy                      | <u>500.0</u>                                |                  |                      |                | <u>500.0</u>   |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-18.02**Division:** Transportation - Traffic and Transportation**Project Name & Description**

Traffic Signal Controller Replacement Program

**Commitments Made**

Council, in approving Report USDIR18-002, established funding for a series of Transportation studies and improvements including the development of a Signal System Update Program. The Traffic Signal Controller upgrades are required to implement Smart Signal systems across the city.

**Effects on Future Operating Budgets**

The implementation of new traffic signal controllers will reduce maintenance costs funded through operating budgets.

**Project Detail, Justification & Reference Map**

This multi-year program is intended to replace the City's aging on-street traffic signal controller equipment. The City operates and maintains 137 signalized intersections across the city, of which 25% are in excess of sixteen years and have reached the end of their service life. Of the remaining 98 traffic signal controllers, approximately 80 controllers are between 10 and 16 years old. The average expected service life of traffic signal controller equipment is 14 years. The implementation of this program is necessary to support upgrading the centralized traffic signal control system and implementing advanced Smart Signals on various corridors.

Funding for this program was reduced in 2021 and approval of the request for funding for 2022 will allow the program to continue.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|---|------------------|----------------------|--------------|--------------|--------------|------|------|-----------------|-----------------|--|
|                           |   |                  |                      | 2022         | 2023         | 2024         | 2025 | 2026 |                 |                 |  |
| Department                | Infrastructure and Planning Services          |                  |                      |              |              |              |      |      |                 |                 |  |
| Division                  | Transportation - Traffic and Transportation   |                  |                      |              |              |              |      |      |                 |                 |  |
| Project Description       | Traffic Signal Controller Replacement Program |                  |                      |              |              |              |      |      |                 |                 |  |
| Project #                 | 5-18.02                                       |                  |                      |              |              |              |      |      |                 |                 |  |
| Expenditures              |   |                  |                      |              |              |              |      |      |                 |                 |  |
| Contractual Services      |   | 2,997.3          | 1,427.4              | 748.2        | 521.7        | 300.0        |      |      |                 |                 |  |
| Total Direct Revenue      |   | <u>2,997.3</u>   | <u>1,427.4</u>       | <u>748.2</u> | <u>521.7</u> | <u>300.0</u> |      |      |                 |                 |  |
| Net Requirements          |   | <u>2,997.3</u>   | <u>1,427.4</u>       | <u>748.2</u> | <u>521.7</u> | <u>300.0</u> |      |      |                 |                 |  |
| To Be Financed From:      |   |                  |                      |              |              |              |      |      |                 |                 |  |
| Debentures                |   |                  |                      |              |              |              |      |      |                 |                 |  |
| Deb Rev-Tax Supported     |   | <u>748.2</u>     |                      | <u>748.2</u> |              |              |      |      |                 |                 |  |
| Total Debenture Financing |   | <u>748.2</u>     |                      | <u>748.2</u> |              |              |      |      |                 |                 |  |
| Reserves                  |   |                  |                      |              |              |              |      |      |                 |                 |  |
| Traffic Signals Reserve   |   | <u>267.0</u>     | <u>267.0</u>         |              |              |              |      |      |                 |                 |  |
| Total Reserves            |   | <u>267.0</u>     | <u>267.0</u>         |              |              |              |      |      |                 |                 |  |
| Capital Levy              |   | <u>1,982.1</u>   | <u>1,160.4</u>       |              | <u>521.7</u> | <u>300.0</u> |      |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-18.03**Division:** Transportation - Traffic and Transportation**Project Name & Description**

Traffic Calming Program

**Commitments Made**

Council, at their meeting of May 25, 2021, approved Report IPSTR21-007 Approval of a Traffic Calming Policy and Five Neighbourhood Traffic Calming Plans. The report included the initiation of three additional neighbourhoods for traffic calming studies. The 2022 funding request is for the implementation of the three traffic calming plans currently being finalized.

**Effects on Future Operating Budgets**

Increase in future operating budgets to provide staff resources to manage the program.

**Project Detail, Justification & Reference Map**

This project will provide funding to allow for the implementation of traffic calming infrastructure in 3 neighbourhoods. In 2022 Traffic Calming Plans will be installed on High Street, Highland Road and Golfview Rd - Whitefield Drive. Following implementation of these Traffic Calming Plans, an annual funding program will be established to accommodate future Traffic Calming requests that emerge throughout the year via requests from the public, City Council and staff.

Traffic Calming Infrastructure includes projects such as the installation of curb extensions, narrowing of roadways, restricting traffic turning movements, speed cushions, signs, pedestrian refuge islands, median islands, mini traffic circles and driver feedback signs. Throughout each year, projects and priorities will be recommended for approval by Council.

**Accessibility Considerations**

This project will benefit all, by reducing vehicle speed and enhancing pedestrian environment. Accessibility measures will be incorporated into projects where appropriate.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                         |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|-------------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                         |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department              | Infrastructure and Planning Services        |                  |                      |              |              |              |              |              |                 |                 |  |
| Division                | Transportation - Traffic and Transportation |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description     | Traffic Calming Program                     |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #               | 5-18.03                                     |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures            |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services    |   | 4,503.8          | 325.0                | 350.0        | 700.0        | 700.0        | 700.0        | 700.0        | 1,028.8         |                 |  |
| Total Direct Revenue    |   | <u>4,503.8</u>   | <u>325.0</u>         | <u>350.0</u> | <u>700.0</u> | <u>700.0</u> | <u>700.0</u> | <u>700.0</u> | <u>1,028.8</u>  |                 |  |
| Net Requirements        |   | <u>4,503.8</u>   | <u>325.0</u>         | <u>350.0</u> | <u>700.0</u> | <u>700.0</u> | <u>700.0</u> | <u>700.0</u> | <u>1,028.8</u>  |                 |  |
| To Be Financed From:    |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Reserves                |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Traffic Signals Reserve |   | 75.0             | 75.0                 |              |              |              |              |              |                 |                 |  |
| Total Reserves          |   | <u>75.0</u>      | <u>75.0</u>          |              |              |              |              |              |                 |                 |  |
| Capital Levy            |   | <u>4,428.8</u>   | <u>250.0</u>         | <u>350.0</u> | <u>700.0</u> | <u>700.0</u> | <u>700.0</u> | <u>700.0</u> | <u>1,028.8</u>  |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-18.04**Division:** Transportation - Traffic and Transportation**Project Name & Description**

Traffic Signal Infrastructure Improvements

**Commitments Made****Effects on Future Operating Budgets**

This program will result in reduced future maintenance costs.

**Project Detail, Justification & Reference Map**

This is a multi-year program to replace aged traffic signal equipment to meet minimum standards and control increasing maintenance costs. The condition of existing traffic signal infrastructure has reached high need for replacement. This program includes the replacement of poles, signal heads, pedestrian push buttons, detection equipment and mast arms.

Each year intersections are identified for improvement, based on condition ratings and work programs and available funding. There are currently 137 traffic signals city-wide (fifteen are Intersection Pedestrian Signals). Through new developments and road reconstruction programs, three additional signalized intersections were added to the inventory in 2021.

**Accessibility Considerations**

Traffic signal infrastructure improvements include upgrading traffic signal equipment to meet the needs of people with disabilities. All new traffic signals include audible pedestrian signals and accessibility features. The location for installation of audible pedestrian signals is determined jointly by City staff and members of the Accessibility Advisory Committee. Two locations for audible pedestrian signals were completed in 2021.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                         |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|-------------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
|                         |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |
| Department              | Infrastructure and Planning Services        |                  |                      |              |              |              |              |              |                 |                 |
| Division                | Transportation - Traffic and Transportation |                  |                      |              |              |              |              |              |                 |                 |
| Project Description     | Traffic Signal Infrastructure               |                  |                      |              |              |              |              |              |                 |                 |
| Project #               | 5-18.04                                     |                  |                      |              |              |              |              |              |                 |                 |
| Expenditures            |   |                  |                      |              |              |              |              |              |                 |                 |
| Contractual Services    |   | 2,547.6          | 612.2                | 168.8        | 173.9        | 179.1        | 184.5        | 190.0        | 1,039.1         |                 |
| Total Direct Revenue    |   | <u>2,547.6</u>   | <u>612.2</u>         | <u>168.8</u> | <u>173.9</u> | <u>179.1</u> | <u>184.5</u> | <u>190.0</u> | <u>1,039.1</u>  |                 |
| Net Requirements        |   | <u>2,547.6</u>   | <u>612.2</u>         | <u>168.8</u> | <u>173.9</u> | <u>179.1</u> | <u>184.5</u> | <u>190.0</u> | <u>1,039.1</u>  |                 |
| To Be Financed From:    |   |                  |                      |              |              |              |              |              |                 |                 |
| Reserves                |   |                  |                      |              |              |              |              |              |                 |                 |
| Traffic Signals Reserve |   | 1,622.5          | 583.5                |              |              |              |              |              | 1,039.1         |                 |
| Total Reserves          |   | <u>1,622.5</u>   | <u>583.5</u>         |              |              |              |              |              | <u>1,039.1</u>  |                 |
| Capital Levy            |   | <u>925.0</u>     | <u>28.7</u>          | <u>168.8</u> | <u>173.9</u> | <u>179.1</u> | <u>184.5</u> | <u>190.0</u> |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-18.05**Division:** Transportation - Traffic and Transportation**Climate Mitigation:** Yes**Project Name & Description**

Traffic Signal Uninterrupted Power Supply Equipment

**Commitments Made****Effects on Future Operating Budgets**

This project reduces the cost of providing paid duty officers to direct traffic during planned outages.

**Project Detail, Justification & Reference Map**

This multi-year program is intended to upgrade existing signalized intersections by adding uninterrupted power supply equipment (back up power supply) to allow traffic signals to continue to operate during power outages. Each year intersections will be identified, based on pedestrian and vehicle volumes, work programs, and available funding. The initial focus will be on intersections in the downtown and on the arterial road network. This type of device reduces the risk of both vehicle-vehicle and vehicle-pedestrian collisions during power outages.

Approval of the request for funding will allow the program to continue.

**Accessibility Considerations**

This project will benefit by maintaining audible traffic signal operation during a power outage.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |             |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|--------------|-------------|------|------|------|-----------------|-----------------|
|                           |   |                  |                      | 2022         | 2023        | 2024 | 2025 | 2026 |                 |                 |
| Department                | Infrastructure and Planning Services                |                  |                      |              |             |      |      |      |                 |                 |
| Division                  | Transportation - Traffic and Transportation         |                  |                      |              |             |      |      |      |                 |                 |
| Project Description       | Traffic Signal Uninterrupted Power Supply Equipment |                  |                      |              |             |      |      |      |                 |                 |
| Project #                 | 5-18.05   |                  |                      |              |             |      |      |      |                 |                 |
| Expenditures              |   |                  |                      |              |             |      |      |      |                 |                 |
| Contractual Services      |   | 400.2            | 146.8                | 166.4        | 87.0        |      |      |      |                 |                 |
| Net Requirements          |   | <u>400.2</u>     | <u>146.8</u>         | <u>166.4</u> | <u>87.0</u> |      |      |      |                 |                 |
| To Be Financed From:      |   |                  |                      |              |             |      |      |      |                 |                 |
| Debentures                |   |                  |                      |              |             |      |      |      |                 |                 |
| Deb Rev-Tax Supported     |   | 166.4            |                      | 166.4        |             |      |      |      |                 |                 |
| Total Debenture Financing |   | <u>166.4</u>     |                      | <u>166.4</u> |             |      |      |      |                 |                 |
| Capital Levy              |   | <u>233.8</u>     | <u>146.8</u>         |              | <u>87.0</u> |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-18.06**Division:** Transportation - Traffic and Transportation**Project Name & Description**

Intersection Pedestrian Safety Enhancements and Ladder Crosswalks

A project to promote pedestrian safety by improving existing crosswalks at signalized intersections through the implementation of ladder pavement markings and countdown pedestrian signals.

**Commitments Made****Effects on Future Operating Budgets**

Increase in future operating budgets to maintain the added traffic signal and pavement marking infrastructure.

**Project Detail, Justification & Reference Map**

This project is the continuation of a multi-year program to enhance pedestrian safety at signalized intersections, through supplementing the traditional pedestrian signals with countdown pedestrian signals and upgrading existing pavement markings, to enhanced ladder crosswalk pavement markings at busy intersections across the city.

Each year intersections will be identified, based on pedestrian volumes and work programs, and will be set as funding permits. Funding for 2022 will allow for a continuation of the program to upgrade pedestrian crossings at major intersections on arterial roads.

**Accessibility Considerations**

This project will benefit all, by enhancing pedestrian visibility at signalized intersections.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|--------------|--------------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022         | 2023         | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services        |                  |                      |              |              |      |      |      |                 |                 |
| Division             | Transportation - Traffic and Transportation |                  |                      |              |              |      |      |      |                 |                 |
| Project Description  | Intersection Pedestrian Safety Enhancements |                  |                      |              |              |      |      |      |                 |                 |
| Project #            | 5-18.06                                     |                  |                      |              |              |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |              |              |      |      |      |                 |                 |
| Contractual Services | 646.8                                       | 309.1            | 109.3                | 112.6        | 115.9        |      |      |      |                 |                 |
| Total Direct Revenue | <u>646.8</u>                                | <u>309.1</u>     | <u>109.3</u>         | <u>112.6</u> | <u>115.9</u> |      |      |      |                 |                 |
| Net Requirements     | <u>646.8</u>                                | <u>309.1</u>     | <u>109.3</u>         | <u>112.6</u> | <u>115.9</u> |      |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |              |              |      |      |      |                 |                 |
| Reserves             |   |                  |                      |              |              |      |      |      |                 |                 |
| Insurance Reserve    | 103.0                                       | 103.0            |                      |              |              |      |      |      |                 |                 |
| Total Reserves       | <u>103.0</u>                                | <u>103.0</u>     |                      |              |              |      |      |      |                 |                 |
| Capital Levy         | <u>543.8</u>                                | <u>206.1</u>     | <u>109.3</u>         | <u>112.6</u> | <u>115.9</u> |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-18.07**Division:** Transportation - Traffic and Transportation**Project Name & Description**

Tourism Wayfinding Sign Program Upgrade

**Commitments Made****Effects on Future Operating Budgets**

The implementation of new tourism signs will reduce increasing maintenance costs funded through operating budgets.

**Project Detail, Justification & Reference Map**

This program is intended to replace the City's aging tourism wayfinding signs and will align with Peterborough & the Kawarthas Tourism wayfinding strategy. The Peterborough & the Kawarthas Tourism wayfinding strategy, lead by Peterborough & the Kawarthas Economic Development, has been developed as a regional tourism wayfinding program in consultation with City, County and Township staff. The implementation of this program will provide positive guidance to visitors from both inside and outside the city and the region. Previously approved funding was reallocated to the Traffic Calming Program in 2021, as the Tourism Wayfinding program was paused during COVID-19.

Funding for this program is proposed to be allocated from the Municipal Accommodation Tax Reserve fund.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-------------|-------------|-------------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022        | 2023        | 2024        | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services        |                  |                      |             |             |             |      |      |                 |                 |
| Division             | Transportation - Traffic and Transportation |                  |                      |             |             |             |      |      |                 |                 |
| Project Description  | Tourism Wayfinding Sign Program             |                  |                      |             |             |             |      |      |                 |                 |
| Project #            | 5-18.07                                     |                  |                      |             |             |             |      |      |                 |                 |
| Expenditures         |   |                  |                      |             |             |             |      |      |                 |                 |
| Contractual Services |   | 275.0            | 100.0                | 75.0        | 50.0        | 50.0        |      |      |                 |                 |
| Total Direct Revenue |   | <u>275.0</u>     | <u>100.0</u>         | <u>75.0</u> | <u>50.0</u> | <u>50.0</u> |      |      |                 |                 |
| Net Requirements     |   | <u>275.0</u>     | <u>100.0</u>         | <u>75.0</u> | <u>50.0</u> | <u>50.0</u> |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |             |             |             |      |      |                 |                 |
| Reserves             |   |                  |                      |             |             |             |      |      |                 |                 |
| MAT Reserve          |   | 255.0            | 80.0                 | 75.0        | 50.0        | 50.0        |      |      |                 |                 |
| Total Reserves       |   | <u>255.0</u>     | <u>80.0</u>          | <u>75.0</u> | <u>50.0</u> | <u>50.0</u> |      |      |                 |                 |
| Capital Levy         |   | <u>20.0</u>      | <u>20.0</u>          |             |             |             |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-18.08

**Division:** Transportation - Traffic and Transportation

**Project Name & Description**

Traffic Improvements

**Commitments Made**

**Effects on Future Operating Budgets**

Potential for reduced risk in roadway operation.

**Project Detail, Justification & Reference Map**

Continuation of the traffic improvements program implementing various projects that emerge throughout the year via requests from the public, City Council and staff.

Improvements include projects such as the installation of pedestrian intersection signals, flashing beacons, turn lanes, new signs, channelization and traffic islands. Throughout each year, priorities and projects are advanced and reported to Council.

**Accessibility Considerations**

Accessibility improvements will be included where applicable (i.e pedestrian intersection signals).

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |       | 2027 to<br>2031 | 2032 to<br>2046 |  |
|-----------------------------------|---|------------------|----------------------|-----------|------|------|------|-------|-----------------|-----------------|--|
|                                   |   |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026  |                 |                 |  |
| Department                        | Infrastructure and Planning Services        |                  |                      |           |      |      |      |       |                 |                 |  |
| Division                          | Transportation - Traffic and Transportation |                  |                      |           |      |      |      |       |                 |                 |  |
| Project Description               | Traffic Improvements                        |                  |                      |           |      |      |      |       |                 |                 |  |
| Project #                         | 5-18.08                                     |                  |                      |           |      |      |      |       |                 |                 |  |
| Expenditures                      |   |                  |                      |           |      |      |      |       |                 |                 |  |
| Contractual Services              | 945.2                                       | 129.7            | 71.1                 | 73.3      | 75.5 | 77.7 | 80.1 | 437.8 |                 |                 |  |
| Direct Revenue                    |   |                  |                      |           |      |      |      |       |                 |                 |  |
| Contribution from related project | 45.6  | 45.6             |                      |           |      |      |      |       |                 |                 |  |
| Total Direct Revenue              | 45.6  | 45.6             |                      |           |      |      |      |       |                 |                 |  |
| Net Requirements                  | 899.6                                       | 84.2             | 71.1                 | 73.3      | 75.5 | 77.7 | 80.1 | 437.8 |                 |                 |  |
| To Be Financed From:              |   |                  |                      |           |      |      |      |       |                 |                 |  |
| Capital Levy                      | 899.6                                       | 84.2             | 71.1                 | 73.3      | 75.5 | 77.7 | 80.1 | 437.8 |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-18.09

**Division:** Transportation - Traffic and Transportation

**Project Name & Description**

New Traffic Control and Street Name Sign Program

**Commitments Made**

**Effects on Future Operating Budgets**

Future operating budgets will reflect the cost of maintaining the sign infrastructure.

**Project Detail, Justification & Reference Map**

This program provides funding for the replacement or installation of new traffic control and street name signs on existing City streets and in new development areas. The cost of installing signs in new residential developments is funded by developer contributions to the Development Sign Reserve, while the costs for signs on existing roads is funded through capital levy. For future years, the budget amount will be adjusted to reflect changes in development levels.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|--------------------------------------|---|------------------|----------------------|-------------|------|------|------|------|-----------------|-----------------|
|                                      |   |                  |                      | 2022        | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                           | Infrastructure and Planning Services        |                  |                      |             |      |      |      |      |                 |                 |
| Division                             | Transportation - Traffic and Transportation |                  |                      |             |      |      |      |      |                 |                 |
| Project Description                  | New Traffic Control and Street Name Signs   |                  |                      |             |      |      |      |      |                 |                 |
| Project #                            | 5-18.09                                     |                  |                      |             |      |      |      |      |                 |                 |
| Expenditures                         |   |                  |                      |             |      |      |      |      |                 |                 |
| Contractual Services                 |   | 72.1             | 35.0                 | 37.1        |      |      |      |      |                 |                 |
| Total Direct Revenue                 |   | <u>72.1</u>      | <u>35.0</u>          | <u>37.1</u> |      |      |      |      |                 |                 |
| Net Requirements                     |   | <u>72.1</u>      | <u>35.0</u>          | <u>37.1</u> |      |      |      |      |                 |                 |
| To Be Financed From:                 |   |                  |                      |             |      |      |      |      |                 |                 |
| Reserves                             |   |                  |                      |             |      |      |      |      |                 |                 |
| Development Project Signs Traffic Re |   | 41.2             | 20.0                 | 21.2        |      |      |      |      |                 |                 |
| Total Reserves                       |   | <u>41.2</u>      | <u>20.0</u>          | <u>21.2</u> |      |      |      |      |                 |                 |
| Capital Levy                         |   | <u>30.9</u>      | <u>15.0</u>          | <u>15.9</u> |      |      |      |      |                 |                 |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description  | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |     | 2025 & After |     |  |
|--|---------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-----|--------------|-----|--|
|  |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net | Total        | Net |  |
| Infrastructure and Planning Services<br>Traffic and Transportation |         |               |                   |             |     |          |          |         |     |       |       |       |       |     |              |     |  |
| Red Light Camera - Automated Speed Enforcement Feasibility         | 5-18.10 | 150.0         |                   |             |     |          |          |         |     |       | 150.0 | 150.0 |       |     |              |     |  |
| Total  |         | 150.0         |                   |             |     |          |          |         |     |       | 150.0 | 150.0 |       |     |              |     |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-18.10**Division:** Transportation - Traffic and Transportation**Project Name & Description**

Red Light Camera - Automated Speed Enforcement Feasibility Study

**Commitments Made****Effects on Future Operating Budgets**

Completion of the feasibility study is necessary to provide estimates as to the effects on future operational budgets.

**Project Detail, Justification & Reference Map**

Many municipalities have installed red light cameras intended to reduce certain types of collisions at signalized intersections. There is a formal process required to join the Red Light Camera program, involving approvals from the MTO, procurement of specialized camera technology, and entering into multi-year contracts for photo evidence processing - all requiring significant up-front costs. The province also recently approved the use of Automated Speed Enforcement cameras by municipalities, under certain conditions, to provide photo-based speed enforcement in School Zones and Community Safety Zones. The Automated Speed Enforcement program has similar requirements as red light cameras for joining the program. Both devices may represent important safety tools that can be deployed on City streets to improve road safety.

The proposed feasibility study will be a key component to understanding the value of a red light camera and/or automated speed enforcement program within the City of Peterborough, including defining how many cameras the City should utilize, the locations where the cameras will have the greatest effect on drivers, the potential benefits of a program, and the financial costs / sustainability of the program.

**Accessibility Considerations**

Safety for vulnerable users will be consideration in determining potential locations for new devices.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|--------------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023         | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services                                |                  |                      |           |              |      |      |      |                 |                 |
| Division             | Transportation - Traffic and Transportation                         |                  |                      |           |              |      |      |      |                 |                 |
| Project Description  | Red Light Camera - Automated Speed Enforcement<br>Feasibility Study |                  |                      |           |              |      |      |      |                 |                 |
| Project #            | 5-18.10   |                  |                      |           |              |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |           |              |      |      |      |                 |                 |
| Contractual Services |   | 150.0            |                      |           | 150.0        |      |      |      |                 |                 |
| Net Requirements     |   | <u>150.0</u>     |                      |           | <u>150.0</u> |      |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |           |              |      |      |      |                 |                 |
| Capital Levy         |   | <u>150.0</u>     |                      |           | <u>150.0</u> |      |      |      |                 |                 |



# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                  | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |       |
|--------------------------------------|---------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|-------|
|                                      |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net   |
| Infrastructure and Planning Services |         |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |       |
| Transportation Planning              |         |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |       |
| TMP Implementation Projects          | 5-19.01 | 630.0         |                   | 150.0       |     | 150.0    | 150.0    |         |     |       | 155.0 | 155.0 | 160.0 | 160.0 | 165.0        | 165.0 |
| Transportation Planning Projects     | 5-19.02 | 407.0         | 209.2             | 38.0        |     | 38.0     | 38.0     |         |     |       | 38.8  | 38.8  | 39.5  | 39.5  | 81.5         | 81.5  |
| Total                                |         | 1,037.0       | 209.2             | 188.0       |     | 188.0    | 188.0    |         |     |       | 193.8 | 193.8 | 199.5 | 199.5 | 246.5        | 246.5 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-19.01

**Division:** Transportation - Transportation Planning

**Climate Mitigation:** Yes

**Project Name & Description**

TMP Implementation Projects

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

The new Transportation Master Plan will include a number of recommendations for projects or initiatives that may require additional studies prior to implementation, such as feasibility studies or Environmental Assessment Studies.

Funding requested for 2022 and 2023 are expected to be used to complete feasibility studies and a potential Environmental Assessment Study for new walking / cycling infrastructure crossings of the Otonabee River.

**Accessibility Considerations**

Any new infrastructure will be planned in accordance with current accessibility standards, and consultation with the Accessibility Advisory Committee will be incorporated into future projects.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested |       |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--|------------------|----------------------|-----------|-------|------|------|------|-----------------|-----------------|
|                      |  |                  |                      | 2022      | 2023  | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services     |                  |                      |           |       |      |      |      |                 |                 |
| Division             | Transportation - Transportation Planning |                  |                      |           |       |      |      |      |                 |                 |
| Project Description  | TMP Implementation Projects              |                  |                      |           |       |      |      |      |                 |                 |
| Project #            | 5-19.01                                  |                  |                      |           |       |      |      |      |                 |                 |
| Expenditures         |  |                  |                      |           |       |      |      |      |                 |                 |
| Contractual Services | 630.0                                    | 150.0            | 155.0                | 160.0     | 165.0 |      |      |      |                 |                 |
| Net Requirements     | 630.0                                    | 150.0            | 155.0                | 160.0     | 165.0 |      |      |      |                 |                 |
| To Be Financed From: |  |                  |                      |           |       |      |      |      |                 |                 |
| Capital Levy         | 630.0                                    | 150.0            | 155.0                | 160.0     | 165.0 |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-19.02

**Division:** Transportation - Transportation Planning

**Climate Mitigation:** Yes

**Project Name & Description**

Transportation Planning Projects

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

This project is used to fund various TDM initiatives to support the shift to walking, cycling, transit and working from home. Activities include bicycle racks and shelters, bike fix-it stations, project evaluation, surveys, and minor infrastructure improvements.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |             | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--|------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|--|
|                      |  |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026        |                 |                 |  |
| Department           | Infrastructure and Planning Services     |                  |                      |             |             |             |             |             |                 |                 |  |
| Division             | Transportation - Transportation Planning |                  |                      |             |             |             |             |             |                 |                 |  |
| Project Description  | Transportation Planning Projects         |                  |                      |             |             |             |             |             |                 |                 |  |
| Project #            | 5-19.02                                  |                  |                      |             |             |             |             |             |                 |                 |  |
| Expenditures         |  |                  |                      |             |             |             |             |             |                 |                 |  |
| Contractual Services | 407.0                                    | 209.2            |                      | 38.0        | 38.8        | 39.5        | 40.3        | 41.2        |                 |                 |  |
| Total Direct Revenue | <u>407.0</u>                             | <u>209.2</u>     |                      | <u>38.0</u> | <u>38.8</u> | <u>39.5</u> | <u>40.3</u> | <u>41.2</u> |                 |                 |  |
| Net Requirements     | <u>407.0</u>                             | <u>209.2</u>     |                      | <u>38.0</u> | <u>38.8</u> | <u>39.5</u> | <u>40.3</u> | <u>41.2</u> |                 |                 |  |
| To Be Financed From: |  |                  |                      |             |             |             |             |             |                 |                 |  |
| Capital Levy         | <u>407.0</u>                             | <u>209.2</u>     |                      | <u>38.0</u> | <u>38.8</u> | <u>39.5</u> | <u>40.3</u> | <u>41.2</u> |                 |                 |  |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description  | Ref     | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |     |         | 2023     |         | 2024    |         | 2025 & After |         |  |
|--|---------|---------------|-------------------|-------------|---------|----------|----------|---------|-----|---------|----------|---------|---------|---------|--------------|---------|--|
|  |         |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb | Other   | Total    | Net     | Total   | Net     | Total        | Net     |  |
| Infrastructure and Planning Services<br>Environmental Services |         |               |                   |             |         |          |          |         |     |         |          |         |         |         |              |         |  |
| Septage Receiving Replacement                                  | 5-20.01 | 5,800.0       |                   | 5,800.0     |         | 5,800.0  |          |         |     | 5,800.0 |          |         |         |         |              |         |  |
| Effluent Disinfection Revitalization and Expansion             | 5-20.02 | 10,750.0      | 750.0             | 5,000.0     | 5,000.0 |          |          |         |     |         | 5,000.0  |         |         |         |              |         |  |
| Replace Digester #1 and 2                                      | 5-20.03 | 15,500.0      | 1,400.0           | 4,100.0     | 4,100.0 |          |          |         |     |         | 10,000.0 |         |         |         |              |         |  |
| WWTP Equipment Upgrades and Replacements                       | 5-20.04 | 4,325.0       |                   | 970.0       |         | 970.0    |          |         |     | 970.0   | 1,040.0  | 1,040.0 | 1,115.0 | 1,115.0 | 1,200.0      | 1,200.0 |  |
| 2022 Replace Programable Logic Controller                      | 5-20.05 | 1,205.9       |                   | 73.0        |         | 73.0     |          |         |     | 73.0    | 74.8     | 74.8    | 76.7    | 76.7    | 981.4        | 981.4   |  |
| WWTP Electrical Sub Station Replacement                        | 5-20.06 | 3,410.0       | 410.0             |             |         |          |          |         |     |         | 3,000.0  |         |         |         |              |         |  |
| Total  |         | 40,990.9      | 2,560.0           | 15,943.0    | 9,100.0 | 6,843.0  |          |         |     | 6,843.0 | 19,114.8 | 1,114.8 | 1,191.7 | 1,191.7 | 2,181.4      | 2,181.4 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.01**Division:** Environmental Services - Environmental Services**Project Name & Description**

Septage Receiving Replacement

**Commitments Made****Effects on Future Operating Budgets**

The existing Septage receiving Facility is undersized and designed without redundancy. Operational and maintenance costs will increase as the system continues to operate beyond design capacity.

**Project Detail, Justification & Reference Map**

The existing Septage Receiving Facility consists of a receiving station, a manually cleaned coarse screen, a holding tank and two (2) submersible pumps. The system was designed to handle truck loads with capacity of up to a total 5,000 m3 per annum. The plant is currently recording hauled waste volumes of up to 30,000 m3 annually. As the facility continues to operate beyond design capacity, maintenance costs increase and required equipment replacement occurs more frequently.

**Accessibility Considerations**

None

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested      |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|----------------|------|------|------|------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022           | 2023 | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Infrastructure and Planning Services            |                  |                      |                |      |      |      |      |                 |                 |  |
| Division             | Environmental Services - Environmental Services |                  |                      |                |      |      |      |      |                 |                 |  |
| Project Description  | Septage Receiving Replacement                   |                  |                      |                |      |      |      |      |                 |                 |  |
| Project #            | 5-20.01   |                  |                      |                |      |      |      |      |                 |                 |  |
| Expenditures         |   |                  |                      |                |      |      |      |      |                 |                 |  |
| Contractual Services |   | 5,800.0          |                      | 5,800.0        |      |      |      |      |                 |                 |  |
| Total Direct Revenue |   | <u>5,800.0</u>   |                      | <u>5,800.0</u> |      |      |      |      |                 |                 |  |
| Net Requirements     |   | <u>5,800.0</u>   |                      | <u>5,800.0</u> |      |      |      |      |                 |                 |  |
| To Be Financed From: |   |                  |                      |                |      |      |      |      |                 |                 |  |
| Reserves             |   |                  |                      |                |      |      |      |      |                 |                 |  |
| Waste Water Reserve  |   | 5,800.0          |                      | 5,800.0        |      |      |      |      |                 |                 |  |
| Total Reserves       |   | <u>5,800.0</u>   |                      | <u>5,800.0</u> |      |      |      |      |                 |                 |  |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.02**Division:** Environmental Services - Environmental Services**Project Name & Description**

Effluent Disinfection Revitalization and Expansion

**Commitments Made**

None

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The City of Peterborough currently disinfects effluent with a Trojan 3000 system that was installed in 1990's. The system is reaching the anticipated end of functional use. The City must review all disinfection technologies to find the best fit for a new system. It is expected that the Ferric Storage facility will also need to be moved to accommodate the required footprint for potential Tertiary filters.

2020 - Development of Drawings, Tenders and ECA Amendments  
2022 - Construction

**Accessibility Considerations**

None

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested |         |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|--|------------------|----------------------|-----------|---------|------|------|------|-----------------|-----------------|
|                      |  |                  |                      | 2022      | 2023    | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services               |                  |                      |           |         |      |      |      |                 |                 |
| Division             | Environmental Services - Environmental Services    |                  |                      |           |         |      |      |      |                 |                 |
| Project Description  | Effluent Disinfection Revitalization and Expansion |                  |                      |           |         |      |      |      |                 |                 |
| Project #            | 5-20.02  |                  |                      |           |         |      |      |      |                 |                 |
| Expenditures         |  |                  |                      |           |         |      |      |      |                 |                 |
| Contractual Services | 10,750.0   | 750.0            |                      | 5,000.0   | 5,000.0 |      |      |      |                 |                 |
| Total Direct Revenue | 10,750.0   | 750.0            |                      | 5,000.0   | 5,000.0 |      |      |      |                 |                 |
| Direct Revenue       |  |                  |                      |           |         |      |      |      |                 |                 |
| Debt - WWRF          | 10,000.0   |                  |                      | 5,000.0   | 5,000.0 |      |      |      |                 |                 |
| Total Direct Revenue | 10,000.0   |                  |                      | 5,000.0   | 5,000.0 |      |      |      |                 |                 |
| Net Requirements     | 750.0  | 750.0            |                      |           |         |      |      |      |                 |                 |
| To Be Financed From: |  |                  |                      |           |         |      |      |      |                 |                 |
| Reserves             |  |                  |                      |           |         |      |      |      |                 |                 |
| Waste Water Reserve  | 750.0  | 750.0            |                      |           |         |      |      |      |                 |                 |
| Total Reserves       | 750.0  | 750.0            |                      |           |         |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.03**Division:** Environmental Services - Environmental Services**Project Name & Description**

Replace Digester #1 and 2

**Commitments Made**

None

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Digesters 1 and 2 are beyond their life expectancy. Replacement is required to avoid equipment failure. Replacing these two digesters with a single digester will improve operations. The City of Peterborough has no redundancy with the heat exchanger, which poses risk in the event of equipment failure. This project will also involve installation of a second heat exchanger.

2020 - Development of Drawings, Specifications

2021 - Tender of work

2022/2023 - Replacement of Digesters and addition of a heat exchanger

**Accessibility Considerations**

None

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project | Approved | Requested |      |      |      |      | 2027 to | 2032 to |
|----------------------|---|---------|----------|-----------|------|------|------|------|---------|---------|
|                      |   | Total   | Pre-2022 | 2022      | 2023 | 2024 | 2025 | 2026 | 2031    | 2046    |
| Department           | Infrastructure and Planning Services            |         |          |           |      |      |      |      |         |         |
| Division             | Environmental Services - Environmental Services |         |          |           |      |      |      |      |         |         |
| Project Description  | Replace Digester #1 and 2                       |         |          |           |      |      |      |      |         |         |
| Project #            | 5-20.03   |         |          |           |      |      |      |      |         |         |
| Expenditures         |   |         |          |           |      |      |      |      |         |         |
| Contractual Services | 15,500.0  | 1,400.0 | 4,100.0  | 10,000.0  |      |      |      |      |         |         |
| Total Direct Revenue | 15,500.0  | 1,400.0 | 4,100.0  | 10,000.0  |      |      |      |      |         |         |
| Direct Revenue       |   |         |          |           |      |      |      |      |         |         |
| Debt - WWRF          | 15,000.0  | 900.0   | 4,100.0  | 10,000.0  |      |      |      |      |         |         |
| Total Direct Revenue | 15,000.0  | 900.0   | 4,100.0  | 10,000.0  |      |      |      |      |         |         |
| Net Requirements     | 500.0   | 500.0   |          |           |      |      |      |      |         |         |
| To Be Financed From: |   |         |          |           |      |      |      |      |         |         |
| Reserves             |   |         |          |           |      |      |      |      |         |         |
| Waste Water Reserve  | 500.0   | 500.0   |          |           |      |      |      |      |         |         |
| Total Reserves       | 500.0   | 500.0   |          |           |      |      |      |      |         |         |

**2022 - 2031 Capital Budget Justification**  
**Tangible Capital Assets**

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-20.04

**Division:** Environmental Services - Environmental Services

**Project Name & Description**

WWTP Equipment Upgrades and Replacement

**Commitments Made**

**Effects on Future Operating Budgets**

The proactive replacement and upgrade of equipment used at the Wastewater Treatment Plant and Sanitary Pumping Stations (SPS) will result in savings in future operational budgets and ensure compliance with stringent environmental legislation.

**Project Detail, Justification & Reference Map**

The following equipment needs to be added, replaced or requires Preventative Maintenance:

Engleburn SPS refurbishment  
 Parkhill East SPS refurbishment  
 Burnham point SPS refurbishment  
 Monaghan SPS refurbishment  
 Biosolids truck scale  
 Raw Sewage #1 Pump  
 Pumping stations spare pumps/replacements  
 Various Lab equipment

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |                |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|--------------|----------------|----------------|----------------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022         | 2023           | 2024           | 2025           | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services            |                  |                      |              |                |                |                |      |                 |                 |
| Division             | Environmental Services - Environmental Services |                  |                      |              |                |                |                |      |                 |                 |
| Project Description  | WWTP Equipment Upgrades and Replacements        |                  |                      |              |                |                |                |      |                 |                 |
| Project #            | 5-20.04   |                  |                      |              |                |                |                |      |                 |                 |
| Expenditures         |   |                  |                      |              |                |                |                |      |                 |                 |
| Contractual Services |   | 4,325.0          |                      | 970.0        | 1,040.0        | 1,115.0        | 1,200.0        |      |                 |                 |
| Total Direct Revenue |   | <u>4,325.0</u>   |                      | <u>970.0</u> | <u>1,040.0</u> | <u>1,115.0</u> | <u>1,200.0</u> |      |                 |                 |
| Net Requirements     |   | <u>4,325.0</u>   |                      | <u>970.0</u> | <u>1,040.0</u> | <u>1,115.0</u> | <u>1,200.0</u> |      |                 |                 |
| To Be Financed From: |   |                  |                      |              |                |                |                |      |                 |                 |
| Reserves             |   |                  |                      |              |                |                |                |      |                 |                 |
| Waste Water Reserve  |   | 4,325.0          |                      | 970.0        | 1,040.0        | 1,115.0        | 1,200.0        |      |                 |                 |
| Total Reserves       |   | <u>4,325.0</u>   |                      | <u>970.0</u> | <u>1,040.0</u> | <u>1,115.0</u> | <u>1,200.0</u> |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.05**Division:** Environmental Services - Environmental Services**Project Name & Description**

2022 Replace Programable Logic Controller

**Commitments Made****Effects on Future Operating Budgets**

The current Programmable Logic Controller 5s are becoming obsolete, resulting in costly repairs. Replacing these obsolete components will minimize the costs of expensive repairs in the future.

**Project Detail, Justification & Reference Map**

The Wastewater Treatment Plant and associated pumping stations are operated by the Supervisory Control and Data Acquisition (SCADA) computer system, which controls the Programmable Logic Controllers throughout the plant. As with any computer system, occasional upgrading is required to maintain efficiency and reduce expensive repairs.

Replacing the multitude of PLCs on a consistent and orderly fashion throughout the plant over the next several years will ensure a smooth transition of high tech computer operated equipment well into the future.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |             | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026        |                 |                 |  |
| Department           | Infrastructure and Planning Services            |                  |                      |             |             |             |             |             |                 |                 |  |
| Division             | Environmental Services - Environmental Services |                  |                      |             |             |             |             |             |                 |                 |  |
| Project Description  | 2022 Replace Programable Logic Controller       |                  |                      |             |             |             |             |             |                 |                 |  |
| Project #            | 5-20.05   |                  |                      |             |             |             |             |             |                 |                 |  |
| Expenditures         |   |                  |                      |             |             |             |             |             |                 |                 |  |
| Contractual Services |   | 1,205.9          |                      | 73.0        | 74.8        | 76.7        | 78.6        | 80.6        | 434.1           | 388.0           |  |
| Total Direct Revenue |   | <u>1,205.9</u>   |                      | <u>73.0</u> | <u>74.8</u> | <u>76.7</u> | <u>78.6</u> | <u>80.6</u> | <u>434.1</u>    | <u>388.0</u>    |  |
| Net Requirements     |   | <u>1,205.9</u>   |                      | <u>73.0</u> | <u>74.8</u> | <u>76.7</u> | <u>78.6</u> | <u>80.6</u> | <u>434.1</u>    | <u>388.0</u>    |  |
| To Be Financed From: |   |                  |                      |             |             |             |             |             |                 |                 |  |
| Reserves             |   |                  |                      |             |             |             |             |             |                 |                 |  |
| Waste Water Reserve  |   | 1,205.9          |                      | 73.0        | 74.8        | 76.7        | 78.6        | 80.6        | 434.1           | 388.0           |  |
| Total Reserves       |   | <u>1,205.9</u>   |                      | <u>73.0</u> | <u>74.8</u> | <u>76.7</u> | <u>78.6</u> | <u>80.6</u> | <u>434.1</u>    | <u>388.0</u>    |  |



**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.06**Division:** Environmental Services - Environmental Services**Climate Mitigation:** Yes**Project Name & Description**

WWTP Electrical Sub Station Replacement

**Commitments Made**

None

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The electrical sub station at the WWTP is at the end of life. Many parts of the original installation fail to meet current code requirements. Coupled with the fact that the co generation grounding pad needs repair, this project has become a priority.

2021 - Development of design, drawings and tender package  
2023 - Electrical sub station and grounding grid replacement

**Accessibility Considerations**

None

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project        | Approved     | Requested |                |      |      |      | 2027 to | 2032 to |  |
|----------------------|---|----------------|--------------|-----------|----------------|------|------|------|---------|---------|--|
|                      |   | Total          | Pre-2022     | 2022      | 2023           | 2024 | 2025 | 2026 | 2031    | 2046    |  |
| Department           | Infrastructure and Planning Services            |                |              |           |                |      |      |      |         |         |  |
| Division             | Environmental Services - Environmental Services |                |              |           |                |      |      |      |         |         |  |
| Project Description  | WWTP Electrical Sub Station Replacement         |                |              |           |                |      |      |      |         |         |  |
| Project #            | 5-20.06   |                |              |           |                |      |      |      |         |         |  |
| Expenditures         |   |                |              |           |                |      |      |      |         |         |  |
| Contractual Services |   | 3,410.0        | 410.0        |           | 3,000.0        |      |      |      |         |         |  |
| Total Direct Revenue |   | <u>3,410.0</u> | <u>410.0</u> |           | <u>3,000.0</u> |      |      |      |         |         |  |
| Direct Revenue       |   |                |              |           |                |      |      |      |         |         |  |
| Debt - WWRF          |   | 3,400.0        | 400.0        |           | 3,000.0        |      |      |      |         |         |  |
| Total Direct Revenue |   | <u>3,400.0</u> | <u>400.0</u> |           | <u>3,000.0</u> |      |      |      |         |         |  |
| Net Requirements     |   | <u>10.0</u>    | <u>10.0</u>  |           |                |      |      |      |         |         |  |
| To Be Financed From: |   |                |              |           |                |      |      |      |         |         |  |
| Reserves             |   |                |              |           |                |      |      |      |         |         |  |
| Waste Water Reserve  |   | 10.0           | 10.0         |           |                |      |      |      |         |         |  |
| Total Reserves       |   | <u>10.0</u>    | <u>10.0</u>  |           |                |      |      |      |         |         |  |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description  | Ref     | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024    |         | 2025 & After |         |
|--|---------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|---------|---------|--------------|---------|
|  |         |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total   | Net     | Total        | Net     |
| Infrastructure and Planning Services<br>Environmental Services |         |               |                   |             |     |          |          |         |     |       |       |       |         |         |              |         |
| Environmental Remediation                                      | 5-20.07 | 1,250.0       | 250.0             | 100.0       |     | 100.0    | 100.0    |         |     |       | 400.0 | 400.0 | 250.0   | 250.0   | 250.0        | 250.0   |
| 400 Plastics Road  | 5-20.08 | 910.0         | 50.0              |             |     |          |          |         |     |       | 435.0 | 435.0 | 400.0   | 400.0   | 25.0         | 25.0    |
| Nelson Landfill Monitoring Program                             | 5-20.09 | 8,237.0       | 2,237.0           |             |     |          |          |         |     |       |       |       | 3,000.0 | 1,000.0 | 3,000.0      | 1,000.0 |
| Harper Road Landfill   | 5-20.10 | 9,125.0       | 3,925.0           |             |     |          |          |         |     |       |       |       | 1,000.0 | 1,000.0 | 4,200.0      | 4,200.0 |
| Total  |         | 19,522.0      | 6,462.0           | 100.0       |     | 100.0    | 100.0    |         |     |       | 835.0 | 835.0 | 4,650.0 | 2,650.0 | 7,475.0      | 5,475.0 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.07**Division:** Environmental Services - Environmental Services**Project Name & Description**

The Environmental Remediation will support emergent City of Peterborough environmental contamination characterization and remediation requirements.

**Commitments Made**

Delays in these decisions could result in increased remediation requirements, liabilities, or MECP binding orders.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

Environmental sites are regulated by the Ministry of Environment, Conservation, and Parks (MECP). Frequently the city must perform timely investigation (Phase 1 & 2 Environmental Assessments) to support property acquisition decisions, or management of existing City sites. These decisions have long term risks and liability for the City, and delays could lead to MECP orders carrying additional costs. Future budgets will require funding to support Environmental Management decisions. Timely response to the MECP should decrease future liabilities and cost.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |       |       |       |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|-----------|-------|-------|-------|------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022      | 2023  | 2024  | 2025  | 2026 |                 |                 |  |
| Department           | Infrastructure and Planning Services            |                  |                      |           |       |       |       |      |                 |                 |  |
| Division             | Environmental Services - Environmental Services |                  |                      |           |       |       |       |      |                 |                 |  |
| Project Description  | Environmental Remediation                       |                  |                      |           |       |       |       |      |                 |                 |  |
| Project #            | 5-20.07   |                  |                      |           |       |       |       |      |                 |                 |  |
| Expenditures         |   |                  |                      |           |       |       |       |      |                 |                 |  |
| Contractual Services |   | 1,250.0          | 250.0                | 100.0     | 400.0 | 250.0 | 250.0 |      |                 |                 |  |
| Total Direct Revenue |   | 1,250.0          | 250.0                | 100.0     | 400.0 | 250.0 | 250.0 |      |                 |                 |  |
| Net Requirements     |   | 1,250.0          | 250.0                | 100.0     | 400.0 | 250.0 | 250.0 |      |                 |                 |  |
| To Be Financed From: |   |                  |                      |           |       |       |       |      |                 |                 |  |
| Capital Levy         |   | 1,250.0          | 250.0                | 100.0     | 400.0 | 250.0 | 250.0 |      |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.08**Division:** Environmental Services - Environmental Services**Project Name & Description**

400 Plastics Road

**Commitments Made****Effects on Future Operating Budgets**

A complete remediation will create a valuable approximately 5 acre Commercial/Industrial site that could be leased or sold and increase the limited land within the City of Peterborough for Commercial/Industrial activities.

**Project Detail, Justification & Reference Map**

400 Plastics Road is the former Formax site. It is a contaminated industrial site for which the City is responsible to remediate.

Phase 1 and 2 EA's have been completed.

The Ministry of Environment, Conservation, and Parks (MECP) is monitoring City management and remediation of the site. The MECP require a monitoring and remediation plan, or they will issue an order. There is currently no funding to support any MECP negotiation, monitoring or remediation.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |       |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|-------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023  | 2024 | 2025 | 2026 |                 |                 |
| Department           | Infrastructure and Planning Services            |                  |                      |           |       |      |      |      |                 |                 |
| Division             | Environmental Services - Environmental Services |                  |                      |           |       |      |      |      |                 |                 |
| Project Description  | 400 Plastics Road                               |                  |                      |           |       |      |      |      |                 |                 |
| Project #            | 5-20.08   |                  |                      |           |       |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |           |       |      |      |      |                 |                 |
| Contractual Services | 910.0   | 50.0             |                      | 435.0     | 400.0 | 25.0 |      |      |                 |                 |
| Total Direct Revenue | 910.0   | 50.0             |                      | 435.0     | 400.0 | 25.0 |      |      |                 |                 |
| Net Requirements     | 910.0   | 50.0             |                      | 435.0     | 400.0 | 25.0 |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |           |       |      |      |      |                 |                 |
| Capital Levy         | 910.0   | 50.0             |                      | 435.0     | 400.0 | 25.0 |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.09**Division:** Environmental Services - Environmental Services**Project Name & Description**

Nelson Landfill Monitoring Program

**Commitments Made**

On October 8, 2010, a Tri-Party Agreement was executed by the City establishing an annual budget commitment of \$5,000/year for a 20 year period. No further work will be conducted on this project until a new agreement with the stakeholders is reached. The MECP have issued a draft order. The Tri-Parties are preparing a response via an Environmental Management Plan including proposed monitoring and remediation activities for MECP agreement. Review and acceptance from the MECP will provide more clarity on the monitoring and remediation requirements and commitments.

**Effects on Future Operating Budgets**

The Environmental Management Plan currently being drafted will include proposed monitoring and remediation actions. Additional funds are likely required and will be better defined if a new agreement is reached.

**Project Detail, Justification & Reference Map**

The City, in conjunction with Otonabee South Monaghan Township and Fred Nelson and Sons, operated a licensed landfill site in the township on lands owned by Fred Nelson from the early 1970s to mid 1980. Environmental legislation under the EPA requires on-going monitoring for all landfills registered in Ontario to ensure there are no risks to human health or the environment as a result of landfill operations.

Results from ongoing monitoring indicate a need to address elevated contamination (PCBs) at the former landfill. Remedial measures are being better defined during negotiations with the MECP.

As negotiations continue with the stakeholder's and the MECP, there may be a need to increase the City's share of funds depending on findings of annual results and the framework of the new agreement.

**Accessibility Considerations**

None



**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                       |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |                |                |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------------------|---|------------------|----------------------|-----------|------|----------------|----------------|------|-----------------|-----------------|
|                                       |   |                  |                      | 2022      | 2023 | 2024           | 2025           | 2026 |                 |                 |
| Department                            | Infrastructure and Planning Services            |                  |                      |           |      |                |                |      |                 |                 |
| Division                              | Environmental Services - Environmental Services |                  |                      |           |      |                |                |      |                 |                 |
| Project Description                   | Nelson Landfill Monitoring Program              |                  |                      |           |      |                |                |      |                 |                 |
| Project #                             | 5-20.09   |                  |                      |           |      |                |                |      |                 |                 |
| Expenditures                          |   |                  |                      |           |      |                |                |      |                 |                 |
| Contractual Services                  |   | 8,237.0          | 2,237.0              |           |      | 3,000.0        | 3,000.0        |      |                 |                 |
|                                       |   |                  |                      |           |      |                |                |      |                 |                 |
| Direct Revenue                        |   |                  |                      |           |      |                |                |      |                 |                 |
| Other Mun-grants & fees               |   | 2,713.3          | 713.3                |           |      | 1,000.0        | 1,000.0        |      |                 |                 |
| do Not use                            |   | 2,000.0          |                      |           |      | 1,000.0        | 1,000.0        |      |                 |                 |
| Other Recoveries                      |   | 710.8            | 710.8                |           |      |                |                |      |                 |                 |
| Total Direct Revenue                  |   | <u>5,424.2</u>   | <u>1,424.2</u>       |           |      | <u>2,000.0</u> | <u>2,000.0</u> |      |                 |                 |
| Net Requirements                      |   | <u>2,812.8</u>   | <u>812.8</u>         |           |      | <u>1,000.0</u> | <u>1,000.0</u> |      |                 |                 |
| To Be Financed From:                  |   |                  |                      |           |      |                |                |      |                 |                 |
| Reserves                              |   |                  |                      |           |      |                |                |      |                 |                 |
| Capital Levy Reserve                  |   | 39.0             | 39.0                 |           |      |                |                |      |                 |                 |
| Infrastructure Planning Services Capi |   | 7.5              | 7.5                  |           |      |                |                |      |                 |                 |
| Total Reserves                        |   | <u>46.5</u>      | <u>46.5</u>          |           |      |                |                |      |                 |                 |
| Capital Levy                          |   | <u>2,766.3</u>   | <u>766.3</u>         |           |      | <u>1,000.0</u> | <u>1,000.0</u> |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-20.10**Division:** Environmental Services - Environmental Services**Project Name & Description**

Harper Road Landfill - Former Waste Disposal Site

**Commitments Made**

The City has been directed by the Ministry of the Environment, Conservation and Parks (MECP) to apply for an Environmental Compliance Approval (ECA) for the closed Harper Road Landfill. Work is ongoing to prepare a comprehensive Environmental Management Plan including registration, monitoring, and remediation requirements.

**Effects on Future Operating Budgets**

Future clean-up and remedial initiatives will ultimately impact future budgets. These actions will be dictated by the Environmental Management Plan and ECA once they are approved by the Ministry of the Environment, Conservation and Parks. Funds remaining from previous commitments will be utilized to support the application and MECP negotiation. Greater clarity on long term requirements from MECP agreements expected late in 2021 or early 2022.

**Project Detail, Justification & Reference Map**

The City of Peterborough operated a landfill site from approximately the mid-1940s to the mid-1960s in the area of Harper Road and Sir Sandford Fleming Drive. This is not an engineered facility and the site received both municipal and industrial waste. Recently (2008 onwards) some work was performed which was initiated to address PCB seeps to surface water in the surrounding surface water streams. Through the MECP negotiations underway, clear and concise directives will be achieved outlining provisions to manage the former landfill according to today's applicable laws and standards.

**Accessibility Considerations**

None

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                       |   | Project | Approved | Requested |      |         |         |         | 2027 to | 2032 to |  |
|---------------------------------------|---|---------|----------|-----------|------|---------|---------|---------|---------|---------|--|
|                                       |   | Total   | Pre-2022 | 2022      | 2023 | 2024    | 2025    | 2026    | 2031    | 2046    |  |
| Department                            | Infrastructure and Planning Services            |         |          |           |      |         |         |         |         |         |  |
| Division                              | Environmental Services - Environmental Services |         |          |           |      |         |         |         |         |         |  |
| Project Description                   | Harper Road Landfill                            |         |          |           |      |         |         |         |         |         |  |
| Project #                             | 5-20.10   |         |          |           |      |         |         |         |         |         |  |
| Expenditures                          |   |         |          |           |      |         |         |         |         |         |  |
| Contractual Services                  |   | 9,125.0 | 3,925.0  |           |      | 1,000.0 | 1,000.0 | 1,000.0 | 2,200.0 |         |  |
| Net Requirements                      |   | 9,125.0 | 3,925.0  |           |      | 1,000.0 | 1,000.0 | 1,000.0 | 2,200.0 |         |  |
| To Be Financed From:                  |   |         |          |           |      |         |         |         |         |         |  |
| Reserves                              |   |         |          |           |      |         |         |         |         |         |  |
| Capital Levy Reserve                  |   | 2,000.0 | 2,000.0  |           |      |         |         |         |         |         |  |
| Infrastructure Planning Services Capi |   | 25.0    | 25.0     |           |      |         |         |         |         |         |  |
| Total Reserves                        |   | 2,025.0 | 2,025.0  |           |      |         |         |         |         |         |  |
| Capital Levy                          |   | 7,100.0 | 1,900.0  |           |      | 1,000.0 | 1,000.0 | 1,000.0 | 2,200.0 |         |  |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                              | Ref     | Project Total | Approved Pre-2022 | 2022        |         |          |          |         |         |         | 2023    |         | 2024    |     | 2025 & After |       |
|--|---------|---------------|-------------------|-------------|---------|----------|----------|---------|---------|---------|---------|---------|---------|-----|--------------|-------|
|  |         |               |                   | Total Costs | Rev     | Net Cost | Cap Levy | Dev Chg | Deb     | Other   | Total   | Net     | Total   | Net | Total        | Net   |
| Infrastructure and Planning Services             |         |               |                   |             |         |          |          |         |         |         |         |         |         |     |              |       |
| Waste Management                                 |         |               |                   |             |         |          |          |         |         |         |         |         |         |     |              |       |
| Peterborough Landfill Site                       | 5-21.01 | 25,914.5      | 15,844.5          | 4,475.0     | 2,237.5 | 2,237.5  |          |         |         | 2,237.5 | 2,145.0 |         | 2,000.0 |     | 1,450.0      | 725.0 |
| Source Separated Organics Program Implementation | 5-21.02 | 15,300.0      | 11,830.6          | 1,700.0     |         | 1,700.0  |          |         | 1,126.9 | 573.1   | 1,769.4 | 1,769.4 |         |     |              |       |
| Total  |         | 41,214.5      | 27,675.1          | 6,175.0     | 2,237.5 | 3,937.5  |          |         | 1,126.9 | 2,810.6 | 3,914.4 | 1,769.4 | 2,000.0 |     | 1,450.0      | 725.0 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Infrastructure and Planning Services

**Budget Reference #:** 5-21.01

**Division:** Waste Mgmt - Waste Management

**Climate Mitigation:** Yes

### Project Name & Description

Peterborough County/City Waste Management Facility

### Commitments Made

The City and County entered into an agreement on July 1, 2002, to jointly own and operate the Peterborough Waste Management Facility and share all costs and revenues on a 50-50 basis.

### Effects on Future Operating Budgets

The operating budget includes a "Landfill Operations" activity that captures ongoing operating costs associated with the site and tipping fee revenues all of which are cost shared 50/50 with the County.

The waste disposal capacity and annual fill rates are based on best estimates and will be refined annually.

### Project Detail, Justification & Reference Map

Cell 2 of the North Fill Area is nearing completion and will be capped in 2021

Cell 3 will continue to receive waste for approximately two more years.

Cell 4 design began in 2020

The following 2022 Capital Projects are proposed:

- Expand landfill gas collection system
- Cell 4 design tender and construction
- Disposition excess soil
- Public drop-off concrete and bin rehabilitation
- Landfill generator replacement
- Landfill truck purchase
- Leachate collection and transport system Preventative maintenance and repairs

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                     |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |         |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-------------------------------------|--------------------------------------|------------------|----------------------|-----------|---------|------|------|------|-----------------|-----------------|
|                                     |                                      |                  |                      | 2022      | 2023    | 2024 | 2025 | 2026 |                 |                 |
| Department                          | Infrastructure and Planning Services |                  |                      |           |         |      |      |      |                 |                 |
| Division                            | Waste Mgmt - Waste Management        |                  |                      |           |         |      |      |      |                 |                 |
| Project Description                 | Peterborough Landfill Site           |                  |                      |           |         |      |      |      |                 |                 |
| Project #                           | 5-21.01                              |                  |                      |           |         |      |      |      |                 |                 |
| Expenditures                        |                                      |                  |                      |           |         |      |      |      |                 |                 |
| Contractual Services                | 25,914.5                             | 15,844.5         | 4,475.0              | 2,145.0   | 2,000.0 |      |      |      | 1,450.0         |                 |
| Total Direct Revenue                | 25,914.5                             | 15,844.5         | 4,475.0              | 2,145.0   | 2,000.0 |      |      |      | 1,450.0         |                 |
| Direct Revenue                      |                                      |                  |                      |           |         |      |      |      |                 |                 |
| Other Mun-grants & fees             | 7,155.0                              | 2,120.0          | 2,237.5              | 1,072.5   | 1,000.0 |      |      |      | 725.0           |                 |
| Other Municipalities Capital Assets | 5,802.3                              | 5,802.3          |                      |           |         |      |      |      |                 |                 |
| Debt Revenue - WMRF                 | 2,072.5                              |                  |                      | 1,072.5   | 1,000.0 |      |      |      |                 |                 |
| Total Direct Revenue                | 15,029.8                             | 7,922.3          | 2,237.5              | 2,145.0   | 2,000.0 |      |      |      | 725.0           |                 |
| Net Requirements                    | 10,884.8                             | 7,922.3          | 2,237.5              |           |         |      |      |      | 725.0           |                 |
| To Be Financed From:                |                                      |                  |                      |           |         |      |      |      |                 |                 |
| Reserves                            |                                      |                  |                      |           |         |      |      |      |                 |                 |
| Waste Management Reserve            | 10,884.8                             | 7,922.3          | 2,237.5              |           |         |      |      |      | 725.0           |                 |
| Total Reserves                      | 10,884.8                             | 7,922.3          | 2,237.5              |           |         |      |      |      | 725.0           |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Infrastructure and Planning Services**Budget Reference #:** 5-21.02**Division:** Waste Mgmt - Waste Management**Climate Mitigation:** Yes**Project Name & Description**

Source Separated Organics Program Implementation

**Commitments Made**

In considering report IPS 19-010, Council approved establishing a \$15.3M project budget, with a transfer of \$4M from Leaf and Yard Waste Compost Facility (2019 Capital Budget #5-21-02), a pre-commitment of Capital funding of \$1.7M 2021, \$1.7M in 2022 and \$1,769,414 in 2023.

The City has also received \$6,110,586 from the Low Carbon Economy Fund (LCEF) for the project.

**Effects on Future Operating Budgets**

Despite the capital cost and ongoing operating costs, it is expected the increased costs will be offset by increased life expectancy of the current City and County landfill, and the entire project will be supported by a Federal Government Grant.

**Project Detail, Justification & Reference Map**

Despite the change in Provincial Government, the Resource Recovery and Circular Economy Act, 2016 has not been revised or rescinded. The Act will mandate resource recovery of food and organic waste through a landfill ban forcing the implementation of an Organics Program in Peterborough by 2023. The diversion of organics from the landfill to a processing facility will extend the landfill life, and create a valuable product.

In September 2019, the City received a Federal Grant for 40% funding to support the costs of implementing an organics program. The project is ramping up to initiate design and approvals with a 2023 program implementation target.

**Accessibility Considerations**

Where possible accessibility will be considered.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                       |  | Project<br>Total | Approved<br>Pre-2022 | Requested      |                |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------------------|--|------------------|----------------------|----------------|----------------|------|------|------|-----------------|-----------------|--|
|                                       |  |                  |                      | 2022           | 2023           | 2024 | 2025 | 2026 |                 |                 |  |
| Department                            | Infrastructure and Planning Services             |                  |                      |                |                |      |      |      |                 |                 |  |
| Division                              | Waste Mgmt - Waste Management                    |                  |                      |                |                |      |      |      |                 |                 |  |
| Project Description                   | Source Separated Organics Program Implementation |                  |                      |                |                |      |      |      |                 |                 |  |
| Project #                             | 5-21.02  |                  |                      |                |                |      |      |      |                 |                 |  |
| Expenditures                          |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Contractual Services                  |  | 15,300.0         | 11,830.6             | 1,700.0        | 1,769.4        |      |      |      |                 |                 |  |
|                                       |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Direct Revenue                        |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Federal Grant Capital Assets          |  | 6,110.6          | 6,110.6              |                |                |      |      |      |                 |                 |  |
| Debt Revenue - WMRF                   |  | 3,000.0          | 3,000.0              |                |                |      |      |      |                 |                 |  |
| Total Direct Revenue                  |  | <u>9,110.6</u>   | <u>9,110.6</u>       |                |                |      |      |      |                 |                 |  |
| Net Requirements                      |  | <u>6,189.4</u>   | <u>2,720.0</u>       | <u>1,700.0</u> | <u>1,769.4</u> |      |      |      |                 |                 |  |
| To Be Financed From:                  |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Debentures                            |  |                  |                      |                |                |      |      |      |                 |                 |  |
| DEBT DC-RoadsRelated                  |  | 1,126.9          |                      | 1,126.9        |                |      |      |      |                 |                 |  |
| Total Debenture Financing             |  | <u>1,126.9</u>   |                      | <u>1,126.9</u> |                |      |      |      |                 |                 |  |
| Reserves                              |  |                  |                      |                |                |      |      |      |                 |                 |  |
| Infrastructure Planning Services Capi |  | 20.0             | 20.0                 |                |                |      |      |      |                 |                 |  |
| Waste Management Reserve              |  | 5,042.5          | 2,700.0              | 573.1          | 1,769.4        |      |      |      |                 |                 |  |
| Total Reserves                        |  | <u>5,062.5</u>   | <u>2,720.0</u>       | <u>573.1</u>   | <u>1,769.4</u> |      |      |      |                 |                 |  |



**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description        | Ref | Project Total | Approved Pre-2022 | 2022        |       |          |          |         |       |       | 2023    |         | 2024    |         | 2025 & After |          |
|----------------------------|-----|---------------|-------------------|-------------|-------|----------|----------|---------|-------|-------|---------|---------|---------|---------|--------------|----------|
|                            |     |               |                   | Total Costs | Rev   | Net Cost | Cap Levy | Dev Chg | Deb   | Other | Total   | Net     | Total   | Net     | Total        | Net      |
| Community Services Summary |     |               |                   |             |       |          |          |         |       |       |         |         |         |         |              |          |
|                            |     |               |                   |             |       |          |          |         |       |       |         |         |         |         |              |          |
| Museum                     | 6-1 | 732.0         |                   | 200.0       |       | 200.0    |          |         |       | 200.0 |         |         |         |         | 532.0        | 412.0    |
| Library                    | 6-2 | 5,705.2       | 100.0             | 565.8       |       | 565.8    |          | 125.5   |       | 440.3 | 552.7   | 552.7   | 510.4   | 510.4   | 3,976.3      | 3,976.3  |
| Art Gallery                | 6-3 | 18,875.0      | 140.0             | 35.0        |       | 35.0     | 35.0     |         |       |       |         |         | 100.0   | 100.0   | 18,600.0     | 13,600.0 |
| Arenas                     | 6-4 | 7,384.1       | 468.1             | 130.0       |       | 130.0    | 65.0     |         | 65.0  |       | 626.0   | 626.0   | 905.0   | 905.0   | 5,255.0      | 5,255.0  |
| Recreation                 | 6-5 | 12,283.0      | 1,846.0           | 504.0       | 104.0 | 400.0    | 250.0    |         | 150.0 |       | 686.0   | 580.0   | 4,390.0 | 4,282.0 | 4,857.0      | 4,284.0  |
| Total                      |     | 44,979.3      | 2,554.1           | 1,434.8     | 104.0 | 1,330.8  | 350.0    | 125.5   | 215.0 | 640.3 | 1,864.7 | 1,758.7 | 5,905.4 | 5,797.4 | 33,220.3     | 27,527.3 |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description        | Ref | Project Total | Approved Pre-2022 | 2022        |       |          |          |         |     |       | 2023    |         | 2024    |       | 2025 & After |         |
|----------------------------|-----|---------------|-------------------|-------------|-------|----------|----------|---------|-----|-------|---------|---------|---------|-------|--------------|---------|
|                            |     |               |                   | Total Costs | Rev   | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total   | Net     | Total   | Net   | Total        | Net     |
| Community Services Summary |     |               |                   |             |       |          |          |         |     |       |         |         |         |       |              |         |
| Museum                     | 6-1 | 80.0          |                   | 10.0        |       | 10.0     | 10.0     |         |     |       | 10.0    | 10.0    | 10.0    | 10.0  | 50.0         | 50.0    |
| Art Gallery                | 6-3 | 625.5         | 59.7              | 20.7        |       | 20.7     | 20.7     |         |     |       | 21.1    | 21.1    | 21.5    | 21.5  | 502.5        | 502.5   |
| Recreation                 | 6-5 | 500.0         | 175.0             |             |       |          |          |         |     |       | 75.0    | 75.0    | 75.0    | 75.0  | 175.0        | 175.0   |
| Arts Culture and Heritage  | 6-6 | 4,901.6       | 939.6             | 226.5       |       | 226.5    | 226.5    |         |     |       | 556.5   | 556.5   | 236.5   | 236.5 | 2,942.5      | 2,942.5 |
| Social Services            | 6-7 | 18,761.0      | 9,482.0           | 1,208.0     | 868.0 | 340.0    |          | 108.7   |     | 231.3 | 1,393.0 | 407.4   | 1,428.0 | 407.4 | 5,250.0      | 2,362.5 |
| Total                      |     | 24,868.1      | 10,656.3          | 1,465.2     | 868.0 | 597.2    | 257.2    | 108.7   |     | 231.3 | 2,055.6 | 1,070.0 | 1,771.0 | 750.4 | 8,920.0      | 6,032.5 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                 | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |     | 2024  |     | 2025 & After |       |
|-------------------------------------|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-----|-------|-----|--------------|-------|
|                                     |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net | Total | Net | Total        | Net   |
| Community Services Museum           |        |               |                   |             |     |          |          |         |     |       |       |     |       |     |              |       |
| Museum - Signage                    | 6-1.01 | 200.0         |                   | 200.0       |     | 200.0    |          |         |     | 200.0 |       |     |       |     |              |       |
| Museum - Exhibition Renewal Project | 6-1.02 | 532.0         |                   |             |     |          |          |         |     |       |       |     |       |     | 532.0        | 412.0 |
| Total                               |        | 732.0         |                   | 200.0       |     | 200.0    |          |         |     | 200.0 |       |     |       |     | 532.0        | 412.0 |

## 2022 - 2031 Capital Budget Justification

### Tangible Capital Assets

**Department:** Community Services**Budget Reference #:** 6-1.01**Division:** Museum - Museum**Climate Adaptation:** Yes**Project Name & Description**

Museum - Signage

**Commitments Made**

Council approved a pre-commitment of the 2022 budget for this project as part of the 2021 budget approval process.

**Effects on Future Operating Budgets**

There will be no impact on future operating budgets.

**Project Detail, Justification & Reference Map**

Museum 5 Year Plan (2018-2023) Accommodation Objective 5: Augment the Identification of the Museum within the City of Peterborough.

The Museum's existing signage, installed in the 1980s, is due for replacement. The signage has been repaired over the years, but is now past investment. The Hunter Street East - Museum Drive intersection will be modified to better support school bus, public and private transit, cyclist and pedestrian access.

The change to the intersection necessitates new directional and promotional signage to the Museum. The sight lines of the Museum (tree removal, wider road access) have been impacted; for example, the Museum buildings are now visible from the Hunter Street Bridge. The change to the intersection is an opportunity for the Museum to enhance public access and visibility through new and improved way finding, banner mounts and lighting, as well as facade improvement.

The total cost of the Museum Signage Project is \$200,000, \$48,000 of which will come from the Museum's Reserve account leaving a net requirement of \$152,000 in 2022; the latter was approved by City Council as a pre-commitment (December 14, 2020). The Museum Signage Project schedule aligns with the East City School construction schedule.

**Accessibility Considerations**

The Museum strives to ensure access to its grounds and resources for all users, including but not limited to, patrons, students, volunteers and employees, according to its Accessibility Plan 2017-2022.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |                    | Project<br>Total | Approved<br>Pre-2022 | Requested    |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--------------------|------------------|----------------------|--------------|------|------|------|------|-----------------|-----------------|
|                           |                    |                  |                      | 2022         | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Community Services |                  |                      |              |      |      |      |      |                 |                 |
| Division                  | Museum - Museum    |                  |                      |              |      |      |      |      |                 |                 |
| Project Description       | Museum - Signage   |                  |                      |              |      |      |      |      |                 |                 |
| Project #                 | 6-1.01             |                  |                      |              |      |      |      |      |                 |                 |
| Expenditures              |                    |                  |                      |              |      |      |      |      |                 |                 |
| Contractual Services      | 200.0              |                  |                      | 200.0        |      |      |      |      |                 |                 |
| Total Direct Revenue      | <u>200.0</u>       |                  |                      | <u>200.0</u> |      |      |      |      |                 |                 |
| Net Requirements          | <u>200.0</u>       |                  |                      | <u>200.0</u> |      |      |      |      |                 |                 |
| To Be Financed From:      |                    |                  |                      |              |      |      |      |      |                 |                 |
| Reserves                  |                    |                  |                      |              |      |      |      |      |                 |                 |
| MAT Reserve               | 152.0              |                  |                      | 152.0        |      |      |      |      |                 |                 |
| Museum Renovation Reserve | 48.0               |                  |                      | 48.0         |      |      |      |      |                 |                 |
| Total Reserves            | <u>200.0</u>       |                  |                      | <u>200.0</u> |      |      |      |      |                 |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Community Services**Budget Reference #:** 6-1.02**Division:** Museum - Museum**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Museum - Exhibition Renewal Project

**Commitments Made****Effects on Future Operating Budgets**

It is anticipated that the completion of the Exhibition Renewal will generate an increase in visitation and an associated increase in operating revenue.

**Project Detail, Justification & Reference Map**

Museum 5 - Year Plan Accommodation Objective 1: support a more complete long-term exhibition; Municipal Cultural Plan Strategic Direction 7.2.7: pursue recommendations of functional analysis studies for the AGP (Art Gallery), the PPL (Library) and the PMA (Museum). The current Exhibition, installed nearly 30 years ago (1990/91), tells the story of Peterborough to 1905. The longevity of the Exhibition speaks to the quality of the original work. However, the 125 years that Peterborough has been a "city" and its industrial past are untold. The Exhibition requires redevelopment to tell a comprehensive story in a modern way, incorporating the Museum's national treasures, the Balsillie Collection of Roy Studio Images and the Parks Studio fonds.

The Exhibition Renewal will require demolition, construction, graphic design, development and production, artifact preparation and interactives. Community consultation was completed for the Expansion Feasibility Study (2004); the data remains a useful starting point. The Museum's Exterior Cladding and Window Project (2017) resolved the moisture issues within the gallery, ensuring a suitable space for the exhibition of artifacts and archival material.

The total cost of the Exhibition Renewal Project is \$532,000, \$60,000 of which will come from the Museum's Reserve account, \$120,000 from external funders, leaving a net requirement of \$352,000.

**Accessibility Considerations**

The Museum strives to ensure access to its grounds and resources for all users, including but not limited to, patrons, students, volunteers and employees, according to its Accessibility Plan 2017-2022.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                                     | Project<br>Total | Approved<br>Pre-2022 | Requested |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------|-------------------------------------|------------------|----------------------|-----------|--------------|------|------|------|-----------------|-----------------|--|
|                           |                                     |                  |                      | 2022      | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department                | Community Services                  |                  |                      |           |              |      |      |      |                 |                 |  |
| Division                  | Museum - Museum                     |                  |                      |           |              |      |      |      |                 |                 |  |
| Project Description       | Museum - Exhibition Renewal Project |                  |                      |           |              |      |      |      |                 |                 |  |
| Project #                 | 6-1.02                              |                  |                      |           |              |      |      |      |                 |                 |  |
| Expenditures              |                                     |                  |                      |           |              |      |      |      |                 |                 |  |
| Contractual Services      | 532.0                               |                  |                      |           | 532.0        |      |      |      |                 |                 |  |
| Total Direct Revenue      | <u>532.0</u>                        |                  |                      |           | <u>532.0</u> |      |      |      |                 |                 |  |
| Direct Revenue            |                                     |                  |                      |           |              |      |      |      |                 |                 |  |
| Federal Grant             | 120.0                               |                  |                      |           | 120.0        |      |      |      |                 |                 |  |
| Total Direct Revenue      | <u>120.0</u>                        |                  |                      |           | <u>120.0</u> |      |      |      |                 |                 |  |
| Net Requirements          | <u>412.0</u>                        |                  |                      |           | <u>412.0</u> |      |      |      |                 |                 |  |
| To Be Financed From:      |                                     |                  |                      |           |              |      |      |      |                 |                 |  |
| Reserves                  |                                     |                  |                      |           |              |      |      |      |                 |                 |  |
| Museum Renovation Reserve | 60.0                                |                  |                      |           | 60.0         |      |      |      |                 |                 |  |
| Total Reserves            | <u>60.0</u>                         |                  |                      |           | <u>60.0</u>  |      |      |      |                 |                 |  |
| Capital Levy              | <u>352.0</u>                        |                  |                      |           | <u>352.0</u> |      |      |      |                 |                 |  |

**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description       | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |      | 2024  |      | 2025 & After |      |
|---------------------------|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|------|-------|------|--------------|------|
|                           |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net  | Total | Net  | Total        | Net  |
| Community Services Museum |        |               |                   |             |     |          |          |         |     |       |       |      |       |      |              |      |
| Museum - Reconciliation   | 6-1.03 | 30.0          |                   | 10.0        |     | 10.0     | 10.0     |         |     |       | 10.0  | 10.0 | 10.0  | 10.0 |              |      |
| Museum - Strategic Plan   | 6-1.04 | 50.0          |                   |             |     |          |          |         |     |       |       |      |       |      | 50.0         | 50.0 |
| Total                     |        | 80.0          |                   | 10.0        |     | 10.0     | 10.0     |         |     |       | 10.0  | 10.0 | 10.0  | 10.0 | 50.0         | 50.0 |



**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Community Services**Budget Reference #:** 6-1.03**Division:** Museum - Museum**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Museum - Reconciliation

**Commitments Made****Effects on Future Operating Budgets**

There will be no impact on future operating budgets.

**Project Detail, Justification & Reference Map**

In the Final Report of the Truth and Reconciliation Commission of Canada, museums have been called upon to repatriate objects that are sacred or integral to the history and continuity of Indigenous nations and communities. The Museum has identified within its care at least 7 objects for repatriation. By supporting this Project, the City will be contributing to both the on-going reconciliation between First Nations and the government of Canada and to the work by Indigenous communities to reclaim and restore their culture.

The Museum Reconciliation Project will require a financial commitment of \$30,000 over 3 years (2022-2024).

**Accessibility Considerations**

The Museum strives to ensure access to its grounds and resources for all users, including but not limited to, patrons, students, volunteers and employees, according to its Accessibility Plan 2017-2022.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |                         | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|-------------------------|------------------|----------------------|-------------|-------------|-------------|------|------|-----------------|-----------------|
|                      |                         |                  |                      | 2022        | 2023        | 2024        | 2025 | 2026 |                 |                 |
| Department           | Community Services      |                  |                      |             |             |             |      |      |                 |                 |
| Division             | Museum - Museum         |                  |                      |             |             |             |      |      |                 |                 |
| Project Description  | Museum - Reconciliation |                  |                      |             |             |             |      |      |                 |                 |
| Project #            | 6-1.03                  |                  |                      |             |             |             |      |      |                 |                 |
| Expenditures         |                         |                  |                      |             |             |             |      |      |                 |                 |
| Contractual Services |                         | 30.0             |                      | 10.0        | 10.0        | 10.0        |      |      |                 |                 |
| Total Direct Revenue |                         | <u>30.0</u>      |                      | <u>10.0</u> | <u>10.0</u> | <u>10.0</u> |      |      |                 |                 |
| Net Requirements     |                         | <u>30.0</u>      |                      | <u>10.0</u> | <u>10.0</u> | <u>10.0</u> |      |      |                 |                 |
| To Be Financed From: |                         |                  |                      |             |             |             |      |      |                 |                 |
| Capital Levy         |                         | <u>30.0</u>      |                      | <u>10.0</u> | <u>10.0</u> | <u>10.0</u> |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Community Services**Budget Reference #:** 6-1.04**Division:** Museum - Museum**Climate Adaptation:** Yes**Project Name & Description**

Museum Strategic Plan

**Commitments Made****Effects on Future Operating Budgets**

A Strategic Plan is a requirement of the Community Museums Operating Grant, annual provincial operating funding.

**Project Detail, Justification & Reference Map**

Municipal Cultural Plan Strategic Directive 1.8.1: Celebrate and promote the City's traditional connection with the Lift Lock and the Trent Severn Waterway.

In 2018, the Museum & Archives Advisory Committee approved a 5 Year Plan (2018-2023), comprising five Accommodation Objectives. The 5 Year Plan ensures that the Museum realizes its mandate and continues to develop as a community resource. Given the completion of the Museum Renewal Project and the Exhibition Renewal Project, the Museum is poised for community input and revitalization.

The Museum Strategic Plan will align with the City's corporate plans, for example, the Municipal Cultural Plan and The Strategic Plan for Recreation, Parks and Culture.

The total cost of the Museum Strategic Plan is \$50,000, \$12,000 of which will come from the Museum's Reserve account, leaving a net requirement of \$38,000.

**Accessibility Considerations**

The Museum strives to ensure access to its grounds and resources for all users, including but not limited to, patrons, students, volunteers and employees, according to its Accessibility Plan (2017-2022).

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                         | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|-------------------------|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                           |                         |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Community Services      |                  |                      |           |      |      |      |      |                 |                 |
| Division                  | Museum - Museum         |                  |                      |           |      |      |      |      |                 |                 |
| Project Description       | Museum - Strategic Plan |                  |                      |           |      |      |      |      |                 |                 |
| Project #                 | 6-1.04                  |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures              |                         |                  |                      |           |      |      |      |      |                 |                 |
| Contractual Services      | 50.0                    |                  |                      |           |      |      |      |      | 50.0            |                 |
| Total Direct Revenue      | <u>50.0</u>             |                  |                      |           |      |      |      |      | <u>50.0</u>     |                 |
| Net Requirements          | <u>50.0</u>             |                  |                      |           |      |      |      |      | <u>50.0</u>     |                 |
| To Be Financed From:      |                         |                  |                      |           |      |      |      |      |                 |                 |
| Reserves                  |                         |                  |                      |           |      |      |      |      |                 |                 |
| Museum Renovation Reserve | 12.0                    |                  |                      |           |      |      |      |      | 12.0            |                 |
| Total Reserves            | <u>12.0</u>             |                  |                      |           |      |      |      |      | <u>12.0</u>     |                 |
| Capital Levy              | <u>38.0</u>             |                  |                      |           |      |      |      |      | <u>38.0</u>     |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description           | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |         |
|-------------------------------|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|---------|
|                               |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net     |
| Community Services Library    |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |
| 2022 Collections Acquisitions | 6-2.01 | 5,365.8       |                   | 490.6       |     | 490.6    |          | 85.0    |     | 405.6 | 500.4 | 500.4 | 510.4 | 510.4 | 3,864.4      | 3,864.4 |
| Book Kiosk                    | 6-2.02 | 314.3         | 100.0             | 50.2        |     | 50.2     |          | 40.5    |     | 9.7   | 52.3  | 52.3  |       |       | 111.8        | 111.8   |
| 2022 Library IT Projects      | 6-2.03 | 25.0          |                   | 25.0        |     | 25.0     |          |         |     | 25.0  |       |       |       |       |              |         |
| Total                         |        | 5,705.2       | 100.0             | 565.8       |     | 565.8    |          | 125.5   |     | 440.3 | 552.7 | 552.7 | 510.4 | 510.4 | 3,976.3      | 3,976.3 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Community Services**Budget Reference #:** 6-2.01**Division:** Library - Library**Project Name & Description**

Collections Acquisitions

**Commitments Made****Effects on Future Operating Budgets**

The library maintains a zero-growth practice for the physical collection. For every item purchased, an equivalent one is withdrawn.

Collection growth and expansion are managed through the purchase of electronic resources and the downloadable collection.

Circulation statistics have shown an increase and demonstrate a growing use of our electronic collection, particularly e-audiobooks and streaming services.

Increasing item costs, exchange rates and licencing for digital formats make meeting demands challenging.

**Project Detail, Justification & Reference Map**

Libraries and their collections are ever-changing. Libraries continue to offer print materials, but have modified collection practices to include digital and e-resources. As new formats are introduced, the Library has broadened its collection to include large print, e-books, downloadable audiobooks, CD-books, and MP3 formats to meet the needs of the Peterborough community. Large Print, DVDs, and audiobooks continue to be high-demand items in the collection.

The Library must continuously renew the contents of the collection as items become dated, worn, are lost, or simply lose their appeal. Beyond acquiring all the desired formats, the Library must also meet the challenge of providing appropriate and accessible shelving for them. Funding comes from the City contribution to the Library's operation budget, then transferred to a TCA reserve account.

The Province has subsidized, to a small degree, certain electronic subscriptions, when funding permits.

**Accessibility Considerations**

The Library acquires materials in a variety of formats, such as print, audio, and digital (when available) to meet varying accessibility needs.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                       |                               | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|---------------------------------------|-------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                                       |                               |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department                            | Community Services            |                  |                      |              |              |              |              |              |                 |                 |  |
| Division                              | Library - Library             |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description                   | 2022 Collections Acquisitions |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #                             | 6-2.01                        |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures                          |                               |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services                  |                               | 5,365.8          |                      | 490.6        | 500.4        | 510.4        | 520.6        | 531.0        | 2,812.8         |                 |  |
| Total Direct Revenue                  |                               | <u>5,365.8</u>   |                      | <u>490.6</u> | <u>500.4</u> | <u>510.4</u> | <u>520.6</u> | <u>531.0</u> | <u>2,812.8</u>  |                 |  |
| Net Requirements                      |                               | <u>5,365.8</u>   |                      | <u>490.6</u> | <u>500.4</u> | <u>510.4</u> | <u>520.6</u> | <u>531.0</u> | <u>2,812.8</u>  |                 |  |
| To Be Financed From:                  |                               |                  |                      |              |              |              |              |              |                 |                 |  |
| Development Charges                   |                               |                  |                      |              |              |              |              |              |                 |                 |  |
| DC - Library                          |                               | 629.7            |                      | 85.0         | 30.0         | 30.0         | 30.0         | 30.0         | 424.8           |                 |  |
| Total Development Charges             |                               | <u>629.7</u>     |                      | <u>85.0</u>  | <u>30.0</u>  | <u>30.0</u>  | <u>30.0</u>  | <u>30.0</u>  | <u>424.8</u>    |                 |  |
| Reserves                              |                               |                  |                      |              |              |              |              |              |                 |                 |  |
| Tsf frm Materials Acquisition Reserve |                               | 4,516.3          |                      | 405.6        | 415.5        | 425.5        | 435.7        | 446.1        | 2,388.0         |                 |  |
| Total Reserves                        |                               | <u>4,516.3</u>   |                      | <u>405.6</u> | <u>415.5</u> | <u>425.5</u> | <u>435.7</u> | <u>446.1</u> | <u>2,388.0</u>  |                 |  |
| Capital Levy                          |                               | <u>219.8</u>     |                      |              | <u>55.0</u>  | <u>55.0</u>  | <u>55.0</u>  | <u>55.0</u>  |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Community Services**Budget Reference #:** 6-2.02**Division:** Library - Library**Project Name & Description**

Library Book Kiosk - pilot project

**Commitments Made****Effects on Future Operating Budgets**

Software maintenance costs will be included with the ongoing Library technology maintenance plan.

**Project Detail, Justification & Reference Map**

A Book Kiosk was purchased in 2020 located at the Peterborough Sport and Wellness Centre (PSWC). This machine will act as an additional library service point and provide a test model for additional cooperative services at City facilities and community locations.

The Kiosk provides library members with the opportunity to borrow materials from a self-serve kiosk with their library card while at the PSWC. Materials may include audiobooks to listen to while you exercise, print materials to read while you wait for your children or sibling to finish their swimming lessons, etc. Selections available would be modified as needed to suit the interests of those borrowing from that location.

The funds budgeted for 2021 and 2022 are to be used to expand the service by adding an additional 2 kiosks (one per year) at different locations (as yet to be determined) within the City.

**Accessibility Considerations**

The Library acquires materials in a variety of formats, such as print, audio, and digital (when available) to meet varying accessibility needs.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                      |                    | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |      |      |             | 2027 to<br>2031 | 2032 to<br>2046 |  |
|--------------------------------------|--------------------|------------------|----------------------|-------------|-------------|------|------|-------------|-----------------|-----------------|--|
|                                      |                    |                  |                      | 2022        | 2023        | 2024 | 2025 | 2026        |                 |                 |  |
| Department                           | Community Services |                  |                      |             |             |      |      |             |                 |                 |  |
| Division                             | Library - Library  |                  |                      |             |             |      |      |             |                 |                 |  |
| Project Description                  | Book Kiosk         |                  |                      |             |             |      |      |             |                 |                 |  |
| Project #                            | 6-2.02             |                  |                      |             |             |      |      |             |                 |                 |  |
| Expenditures                         |                    |                  |                      |             |             |      |      |             |                 |                 |  |
| Contractual Services                 |                    | 314.3            | 100.0                | 50.2        | 52.3        |      |      | 54.7        | 57.2            |                 |  |
| Total Direct Revenue                 |                    | <u>314.3</u>     | <u>100.0</u>         | <u>50.2</u> | <u>52.3</u> |      |      | <u>54.7</u> | <u>57.2</u>     |                 |  |
| Net Requirements                     |                    | <u>314.3</u>     | <u>100.0</u>         | <u>50.2</u> | <u>52.3</u> |      |      | <u>54.7</u> | <u>57.2</u>     |                 |  |
| To Be Financed From:                 |                    |                  |                      |             |             |      |      |             |                 |                 |  |
| Development Charges                  |                    |                  |                      |             |             |      |      |             |                 |                 |  |
| DC - Library                         |                    | 243.0            | 81.0                 | 40.5        | 42.4        |      |      | 32.8        | 46.3            |                 |  |
| Total Development Charges            |                    | <u>243.0</u>     | <u>81.0</u>          | <u>40.5</u> | <u>42.4</u> |      |      | <u>32.8</u> | <u>46.3</u>     |                 |  |
| Reserves                             |                    |                  |                      |             |             |      |      |             |                 |                 |  |
| Tsf frm Library Surplus D.Reserve    |                    | 61.8             | 9.5                  | 9.7         | 9.9         |      |      | 21.8        | 10.9            |                 |  |
| Tsf frm Information Technology D.Res |                    | 9.5              | 9.5                  |             |             |      |      |             |                 |                 |  |
| Total Reserves                       |                    | <u>71.3</u>      | <u>19.0</u>          | <u>9.7</u>  | <u>9.9</u>  |      |      | <u>21.8</u> | <u>10.9</u>     |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Community Services

**Budget Reference #:** 6-2.03

**Division:** Library - Library

**Project Name & Description**

2022 Library IT projects to fund hardware upgrades.

**Commitments Made**

**Effects on Future Operating Budgets**

More technology is being used at the library by staff and the public, requiring more hardware as well as ongoing maintenance and support.

**Project Detail, Justification & Reference Map**

Hardware purchases are ongoing for staff support and library service provision. Technology is often the primary tool we use.

**Accessibility Considerations**

Accessibility is an ongoing consideration and is adapted as needed based on the product or user.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |                          | Project<br>Total | Approved<br>Pre-2022 | Requested   |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|-----------------------------------|--------------------------|------------------|----------------------|-------------|------|------|------|------|-----------------|-----------------|
|                                   |                          |                  |                      | 2022        | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                        | Community Services       |                  |                      |             |      |      |      |      |                 |                 |
| Division                          | Library - Library        |                  |                      |             |      |      |      |      |                 |                 |
| Project Description               | 2022 Library IT Projects |                  |                      |             |      |      |      |      |                 |                 |
| Project #                         | 6-2.03                   |                  |                      |             |      |      |      |      |                 |                 |
| Expenditures                      |                          |                  |                      |             |      |      |      |      |                 |                 |
| Contractual Services              |                          | 25.0             |                      | 25.0        |      |      |      |      |                 |                 |
| Net Requirements                  |                          | <u>25.0</u>      |                      | <u>25.0</u> |      |      |      |      |                 |                 |
| To Be Financed From:              |                          |                  |                      |             |      |      |      |      |                 |                 |
| Reserves                          |                          |                  |                      |             |      |      |      |      |                 |                 |
| Tsf frm Library Surplus D.Reserve |                          | 25.0             |                      | 25.0        |      |      |      |      |                 |                 |
| Total Reserves                    |                          | <u>25.0</u>      |                      | <u>25.0</u> |      |      |      |      |                 |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                        | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |     | 2024  |       | 2025 & After |          |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-----|-------|-------|--------------|----------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net | Total | Net   | Total        | Net      |
| Community Services                         |        |               |                   |             |     |          |          |         |     |       |       |     |       |       |              |          |
| Art Gallery                                |        |               |                   |             |     |          |          |         |     |       |       |     |       |       |              |          |
| AGP Strategic Plan                         | 6-3.01 | 35.0          |                   | 35.0        |     | 35.0     | 35.0     |         |     |       |       |     |       |       |              |          |
| Art Gallery of Peterborough (AGP) Facility | 6-3.02 | 18,840.0      | 140.0             |             |     |          |          |         |     |       |       |     | 100.0 | 100.0 | 18,600.0     | 13,600.0 |
| Total                                      |        | 18,875.0      | 140.0             | 35.0        |     | 35.0     | 35.0     |         |     |       |       |     | 100.0 | 100.0 | 18,600.0     | 13,600.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Community Services**Budget Reference #:** 6-3.01**Division:** Art Gallery of Peterborough - Art Gallery**Project Name & Description**

AGP Strategic Plan

**Commitments Made****Effects on Future Operating Budgets**

The Strategic Plan sets the key direction for our operations and program activities for the five year period. There is no direct impact on budget expense beyond the plan itself. However Revenue Generation and Fundraising Initiatives are included in the goals that are established. These are reviewed and adjusted annually to better meet established goals.

**Project Detail, Justification & Reference Map**

The AGP develops a strategic plan every five-years setting goals in consultation with our key partners, stakeholders, membership, community, including City staff and council.

It is a requirement for our operating grant from the Ontario Arts Council to have a current strategic plan in place.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|------|------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department           | Community Services                        |                  |                      |           |      |      |      |      |                 |                 |
| Division             | Art Gallery of Peterborough - Art Gallery |                  |                      |           |      |      |      |      |                 |                 |
| Project Description  | AGP Strategic Plan                        |                  |                      |           |      |      |      |      |                 |                 |
| Project #            | 6-3.01                                    |                  |                      |           |      |      |      |      |                 |                 |
| Expenditures         |   |                  |                      |           |      |      |      |      |                 |                 |
|                      | Contractual Services                      | 35.0             |                      | 35.0      |      |      |      |      |                 |                 |
| Total Direct Revenue |   | 35.0             |                      | 35.0      |      |      |      |      |                 |                 |
| Net Requirements     |   | 35.0             |                      | 35.0      |      |      |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |           |      |      |      |      |                 |                 |
| Capital Levy         |   | 35.0             |                      | 35.0      |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Community Services**Budget Reference #:** 6-3.02**Division:** Art Gallery of Peterborough - Art Gallery**Climate Mitigation:** Yes**Project Name & Description**

Art Gallery of Peterborough (AGP) Facility

**Commitments Made**

A report recommending redevelopment of the AGP was presented through Report CSACH14-008 to Council. The functional analysis and feasibility studies were received and directed to guide the AGP development over the next decade.

**Effects on Future Operating Budgets**

The redevelopment of the AGP will require additional operating dollars including staffing to manage the increase in activities and square footage of the building. Corresponding increases in revenue generation are expected; however, it is anticipated that net operating costs will increase.

**Project Detail, Justification & Reference Map**

The 2014 feasibility study, based on the findings of the functional analysis of 2011, is a comparative study of the current AGP location on Little Lake to two potential downtown locations offering alternative development opportunities. The outcome was a consensus in favor of renovating and expanding the existing gallery site.

The 2019 update on the feasibility study reassessed facility use responding to current practice and requirements for public programs and space rentals. The updated study will inform 2022 design development.

**Accessibility Considerations**

The project will meet all AODA requirements. The implementation of this report should also consider the recommendations of the 2013 Accessibility Audit.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project         | Approved     | Requested |      |              |                |                 | 2027 to | 2032 to |
|---------------------------|--|-----------------|--------------|-----------|------|--------------|----------------|-----------------|---------|---------|
|                           |  | Total           | Pre-2022     | 2022      | 2023 | 2024         | 2025           | 2026            | 2031    | 2046    |
| Department                | Community Services                         |                 |              |           |      |              |                |                 |         |         |
| Division                  | Art Gallery of Peterborough - Art Gallery  |                 |              |           |      |              |                |                 |         |         |
| Project Description       | Art Gallery of Peterborough (AGP) Facility |                 |              |           |      |              |                |                 |         |         |
| Project #                 | 6-3.02                                     |                 |              |           |      |              |                |                 |         |         |
| Expenditures              |  |                 |              |           |      |              |                |                 |         |         |
| Contractual Services      |  | 18,840.0        | 140.0        |           |      | 100.0        | 6,550.0        | 12,050.0        |         |         |
| Total Direct Revenue      |  | <u>18,840.0</u> | <u>140.0</u> |           |      | <u>100.0</u> | <u>6,550.0</u> | <u>12,050.0</u> |         |         |
| Direct Revenue            |  |                 |              |           |      |              |                |                 |         |         |
| do Not use                |  | 4,000.0         |              |           |      |              | 2,000.0        | 2,000.0         |         |         |
| Community Sponsors        |  | 1,000.0         |              |           |      |              | 1,000.0        |                 |         |         |
| Total Direct Revenue      |  | <u>5,000.0</u>  |              |           |      |              | <u>3,000.0</u> | <u>2,000.0</u>  |         |         |
| Net Requirements          |  | <u>13,840.0</u> | <u>140.0</u> |           |      | <u>100.0</u> | <u>3,550.0</u> | <u>10,050.0</u> |         |         |
| To Be Financed From:      |  |                 |              |           |      |              |                |                 |         |         |
| Debentures                |  |                 |              |           |      |              |                |                 |         |         |
| Deb Rev-Tax Supported     |  | 13,700.0        |              |           |      | 100.0        | 3,550.0        | 10,050.0        |         |         |
| Total Debenture Financing |  | <u>13,700.0</u> |              |           |      | <u>100.0</u> | <u>3,550.0</u> | <u>10,050.0</u> |         |         |
| Capital Levy              |  | <u>140.0</u>    | <u>140.0</u> |           |      |              |                |                 |         |         |



**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description               | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |      | 2024  |      | 2025 & After |       |  |
|-----------------------------------|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|------|-------|------|--------------|-------|--|
|                                   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net  | Total | Net  | Total        | Net   |  |
| Community Services<br>Art Gallery |        |               |                   |             |     |          |          |         |     |       |       |      |       |      |              |       |  |
| AGP Publications                  | 6-3.03 | 625.5         | 59.7              | 20.7        |     | 20.7     | 20.7     |         |     |       | 21.1  | 21.1 | 21.5  | 21.5 | 502.5        | 502.5 |  |
| Total                             |        | 625.5         | 59.7              | 20.7        |     | 20.7     | 20.7     |         |     |       | 21.1  | 21.1 | 21.5  | 21.5 | 502.5        | 502.5 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Community Services**Budget Reference #:** 6-3.03**Division:** Art Gallery of Peterborough - Art Gallery**Project Name & Description**

AGP Publications - the AGP produces publications in house and in partnership with other galleries that document exhibitions and contribute to the field.

**Commitments Made****Effects on Future Operating Budgets**

This is a direct transfer from our regular operating budget to Capital. The funds previously appeared in our Programme Budget.

**Project Detail, Justification & Reference Map**

Publications projects typically outrun the fiscal year as they are large projects dependent on many factors (writers, photographers, editors, copyright, design, printing).  
AGP negotiates the development of publications with exhibiting artists and partner galleries on an ongoing basis. Commitments are made and documented in contracts. The AGP funds these publications through a regular allocation. On occasion, additional revenues are generated through grant applications and partnerships with galleries.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |             | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|
|                      |   |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026        |                 |                 |
| Department           | Community Services                        |                  |                      |             |             |             |             |             |                 |                 |
| Division             | Art Gallery of Peterborough - Art Gallery |                  |                      |             |             |             |             |             |                 |                 |
| Project Description  | AGP Publications                          |                  |                      |             |             |             |             |             |                 |                 |
| Project #            | 6-3.03                                    |                  |                      |             |             |             |             |             |                 |                 |
| Expenditures         |   |                  |                      |             |             |             |             |             |                 |                 |
| Contractual Services | 625.5                                     | 59.7             |                      | 20.7        | 21.1        | 21.5        | 22.0        | 22.4        | 118.9           | 339.2           |
| Total Direct Revenue | <u>625.5</u>                              | <u>59.7</u>      |                      | <u>20.7</u> | <u>21.1</u> | <u>21.5</u> | <u>22.0</u> | <u>22.4</u> | <u>118.9</u>    | <u>339.2</u>    |
| Net Requirements     | <u>625.5</u>                              | <u>59.7</u>      |                      | <u>20.7</u> | <u>21.1</u> | <u>21.5</u> | <u>22.0</u> | <u>22.4</u> | <u>118.9</u>    | <u>339.2</u>    |
| To Be Financed From: |   |                  |                      |             |             |             |             |             |                 |                 |
| Capital Levy         | <u>625.5</u>                              | <u>59.7</u>      |                      | <u>20.7</u> | <u>21.1</u> | <u>21.5</u> | <u>22.0</u> | <u>22.4</u> | <u>118.9</u>    | <u>339.2</u>    |

**City of Peterborough**  
**Tangible Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                    | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |      |       | 2023  |       | 2024  |       | 2025 & After |         |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|------|-------|-------|-------|-------|-------|--------------|---------|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb  | Other | Total | Net   | Total | Net   | Total        | Net     |
| Community Services Arenas              |        |               |                   |             |     |          |          |         |      |       |       |       |       |       |              |         |
| Equipment Replacement - Arena Division | 6-4.01 | 160.0         |                   | 65.0        |     | 65.0     |          |         | 65.0 |       | 60.0  | 60.0  |       |       | 35.0         | 35.0    |
| Facility Upgrade - Community Arenas    | 6-4.02 | 3,450.0       | 75.0              | 50.0        |     | 50.0     | 50.0     |         |      |       | 150.0 | 150.0 | 75.0  | 75.0  | 3,100.0      | 3,100.0 |
| Facility Upgrades - Memorial Centre    | 6-4.03 | 2,694.1       | 393.1             | 15.0        |     | 15.0     | 15.0     |         |      |       | 236.0 | 236.0 | 650.0 | 650.0 | 1,400.0      | 1,400.0 |
| Ice Resurfacers - All Arenas           | 6-4.04 | 1,080.0       |                   |             |     |          |          |         |      |       | 180.0 | 180.0 | 180.0 | 180.0 | 720.0        | 720.0   |
| Total                                  |        | 7,384.1       | 468.1             | 130.0       |     | 130.0    | 65.0     |         | 65.0 |       | 626.0 | 626.0 | 905.0 | 905.0 | 5,255.0      | 5,255.0 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

CAP Form 1 (TCA)

**Department:** Community Services**Budget Reference #:** 6-4.01**Division:** Arenas - Arenas**Project Name & Description**

Equipment Replacement-Arena Division

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

A systematic approach to monitor the maintenance and replacement requirements of Fleet Equipment in the Arena Division. This equipment is used by the Memorial Centre and Community Arenas on a rotational basis as required for event set-up and regular maintenance operations of these facilities.

A 2022 Capital Budget is being made for the replacement of a 2005 Lift Truck. Lift Trucks are shared with all arena facilities and two Lift Trucks are utilized for each event at the Peterborough Memorial Centre. All PMC equipment requires a Lift truck to move (event stage, portable floor, lacrosse carpet, event chairs, arena glass carts) and these items constantly need to be relocated due to access and storage capacity.

| Unit | Location             | Type of Equipment     | Current Year of the Machine | Replacement Year |
|------|----------------------|-----------------------|-----------------------------|------------------|
| 1    | PMC                  | Lift Truck            | 2005                        | 2022             |
| 2    | PMC                  | Lift Truck            | 2008                        | 2024             |
| 3    | PMC                  | Telescopic Boom Lift  | 2019                        | 2035             |
| 4    | Healthy Planet Arena | Scissor Lift          | 2005                        | 2023             |
| 5    | Healthy Planet Arena | Half-Ton Pickup Truck | 2019                        | 2029             |

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |  | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|--|------------------|----------------------|-------------|-------------|------|------|------|-----------------|-----------------|
|                           |  |                  |                      | 2022        | 2023        | 2024 | 2025 | 2026 |                 |                 |
| Department                | Community Services                     |                  |                      |             |             |      |      |      |                 |                 |
| Division                  | Arenas - Arenas                        |                  |                      |             |             |      |      |      |                 |                 |
| Project Description       | Equipment Replacement - Arena Division |                  |                      |             |             |      |      |      |                 |                 |
| Project #                 | 6-4.01                                 |                  |                      |             |             |      |      |      |                 |                 |
| Expenditures              |  |                  |                      |             |             |      |      |      |                 |                 |
| Contractual Services      | 160.0                                  |                  |                      | 65.0        | 60.0        |      |      |      | 35.0            |                 |
| Total Direct Revenue      | <u>160.0</u>                           |                  |                      | <u>65.0</u> | <u>60.0</u> |      |      |      | <u>35.0</u>     |                 |
| Net Requirements          | <u>160.0</u>                           |                  |                      | <u>65.0</u> | <u>60.0</u> |      |      |      | <u>35.0</u>     |                 |
| To Be Financed From:      |  |                  |                      |             |             |      |      |      |                 |                 |
| Debentures                |  |                  |                      |             |             |      |      |      |                 |                 |
| Deb Rev-Tax Supported     | 65.0                                   |                  |                      | 65.0        |             |      |      |      |                 |                 |
| Total Debenture Financing | <u>65.0</u>                            |                  |                      | <u>65.0</u> |             |      |      |      |                 |                 |
| Capital Levy              | <u>95.0</u>                            |                  |                      |             | <u>60.0</u> |      |      |      | <u>35.0</u>     |                 |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Community Services**Budget Reference #:** 6-4.02**Division:** Arenas - Arenas**Project Name & Description**

Facility Upgrade-Arena Division

**Commitments Made****Effects on Future Operating Budgets**

Performing regular upgrades will assist to maintain the quality and efficiency of arena facilities.

**Project Detail, Justification & Reference Map**

2022

1. Fire System-Zone/Device Upgrades Healthy Planet Arena & Kinsmen \$50,000

2023

1. Facility Upgrades-Doors, Frames, Hardware HPA & Kinsmen \$150,000

2024

1. Changroom Showers/Fixtures HPA \$75,000

2025

1. Security System Renewal HPA \$30,000
2. Low E Ceiling Kinsmen \$150,000
3. Electrical/Lighting Upgrades Kinsmen \$120,000

2026

1. Structural Repairs to Columns & Beams Kinsmen \$140,000

2027 to 2031

1. Overhead Doors HPA \$55,000
2. Interior Lighting HPA & Kinsmen \$300,000
3. Spectator Seating HPA \$150,000
4. Elevator Controls/Code Changes Kinsmen \$45,000
5. Washroom Fixtures HPA \$300,000
6. Viewing Area Windows Kinsmen \$160,000
7. Replace Windows HPA \$350,000
8. Dehumidifaction Replacement Kinsmen \$800,000
9. DHW Plan/Dehumidification Renewal HPA \$500,000

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                     | Project<br>Total | Approved<br>Pre-2022 | Requested   |              |             |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|-------------------------------------|------------------|----------------------|-------------|--------------|-------------|--------------|--------------|-----------------|-----------------|
|                      |                                     |                  |                      | 2022        | 2023         | 2024        | 2025         | 2026         |                 |                 |
| Department           | Community Services                  |                  |                      |             |              |             |              |              |                 |                 |
| Division             | Arenas - Arenas                     |                  |                      |             |              |             |              |              |                 |                 |
| Project Description  | Facility Upgrade - Community Arenas |                  |                      |             |              |             |              |              |                 |                 |
| Project #            | 6-4.02                              |                  |                      |             |              |             |              |              |                 |                 |
| Expenditures         |                                     |                  |                      |             |              |             |              |              |                 |                 |
| Contractual Services |                                     | 3,450.0          | 75.0                 | 50.0        | 150.0        | 75.0        | 300.0        | 140.0        | 2,660.0         |                 |
| Total Direct Revenue |                                     | <u>3,450.0</u>   | <u>75.0</u>          | <u>50.0</u> | <u>150.0</u> | <u>75.0</u> | <u>300.0</u> | <u>140.0</u> | <u>2,660.0</u>  |                 |
| Net Requirements     |                                     | <u>3,450.0</u>   | <u>75.0</u>          | <u>50.0</u> | <u>150.0</u> | <u>75.0</u> | <u>300.0</u> | <u>140.0</u> | <u>2,660.0</u>  |                 |
| To Be Financed From: |                                     |                  |                      |             |              |             |              |              |                 |                 |
| Capital Levy         |                                     | <u>3,450.0</u>   | <u>75.0</u>          | <u>50.0</u> | <u>150.0</u> | <u>75.0</u> | <u>300.0</u> | <u>140.0</u> | <u>2,660.0</u>  |                 |



## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Community Services**Budget Reference #:** 6-4.03**Division:** Arenas - Arenas**Project Name & Description**

Facility Upgrades-Memorial Centre

**Commitments Made****Effects on Future Operating Budgets**

Performing regular upgrades will assist to maintain the quality and efficiency of the arena facility.

**Project Detail, Justification & Reference Map**

2022

1. Fire Panel Upgrades \$15,000

2023

1. Electrical Upgrades-Floor Service Panels \$16,000
2. Event Security Improvements \$120,000
3. Tiered Seating Replacement Program \$100,000

Replacement seating for specific tiered seating sections. Existing seating that is removed will be used for replacement parts on other seats that are in need of repair.

2024

1. Tiered Seating Replacement Program \$100,000
2. Event Security Improvements \$100,000
2. Flooring Replacement - Carpet and Tiles \$450,000

2025

1. Tiered Seating Replacement Program \$300,000

2026-2031

2. Fire Panel Upgrades-install 2 Phase \$150,000
3. Flooring Replacement - Carpet and Tiles \$150,000
4. Event Decking Replacement \$300,000
5. Facility Upgrades-Various \$500,000

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                                     | Project<br>Total | Approved<br>Pre-2022 | Requested   |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|-------------------------------------|------------------|----------------------|-------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |                                     |                  |                      | 2022        | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Community Services                  |                  |                      |             |              |              |              |              |                 |                 |  |
| Division             | Arenas - Arenas                     |                  |                      |             |              |              |              |              |                 |                 |  |
| Project Description  | Facility Upgrades - Memorial Centre |                  |                      |             |              |              |              |              |                 |                 |  |
| Project #            | 6-4.03                              |                  |                      |             |              |              |              |              |                 |                 |  |
| Expenditures         |                                     |                  |                      |             |              |              |              |              |                 |                 |  |
| Contractual Services | 2,694.1                             | 393.1            |                      | 15.0        | 236.0        | 650.0        | 300.0        | 400.0        | 700.0           |                 |  |
| Total Direct Revenue | <u>2,694.1</u>                      | <u>393.1</u>     |                      | <u>15.0</u> | <u>236.0</u> | <u>650.0</u> | <u>300.0</u> | <u>400.0</u> | <u>700.0</u>    |                 |  |
| Net Requirements     | <u>2,694.1</u>                      | <u>393.1</u>     |                      | <u>15.0</u> | <u>236.0</u> | <u>650.0</u> | <u>300.0</u> | <u>400.0</u> | <u>700.0</u>    |                 |  |
| To Be Financed From: |                                     |                  |                      |             |              |              |              |              |                 |                 |  |
| Capital Levy         | <u>2,694.1</u>                      | <u>393.1</u>     |                      | <u>15.0</u> | <u>236.0</u> | <u>650.0</u> | <u>300.0</u> | <u>400.0</u> | <u>700.0</u>    |                 |  |

## 2022 - 2031 Capital Budget Justification Tangible Capital Assets

**Department:** Community Services**Budget Reference #:** 6-4.04**Division:** Arenas - Arenas**Climate Mitigation:** Yes**Climate Adaptation:** Yes**Project Name & Description**

Ice Resurfacers-All Arenas

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

A systematic approach to replace ice resurfacers on a rotating basis. This plan ensures reliable ice resurfacing is carried out to maintain good quality ice, good air quality in arenas, and ensure there are reliable back-up machines to avoid service disruptions. The estimated life of an ice resurfer is approximately 10 years for primary machines.

The option to transition to electric machines in the future in 2023 and beyond is being explored as statistical information becomes available. Adopting electric equipment is relatively new in Canada and there are currently issues identified in the area of battery life and excessive repairs and maintenance costs that need to be resolved in order for an electric machine to be efficient and handle the high volume of work required in municipal facilities. The current price per electric machine is approximately double that of a natural gas machine.

| Unit | Arena                          | Description    | Current Year of the Machine | Replacement Year | Notes               |
|------|--------------------------------|----------------|-----------------------------|------------------|---------------------|
| 1    | Healthy Planet Arena           | Zamboni-Main   | 2019                        | 2029             |                     |
| 2    | Healthy Planet Arena Spare/New | Zamboni-Backup | 2012                        | 2024             | Replace w/ Electric |
| 3    | Kinsmen                        | Olympia-Backup | 2011                        | 2023             |                     |
| 4    | Kinsmen                        | Zamboni-Main   | 2018                        | 2028             |                     |
| 5    | PMC                            | Zamboni-Backup | 2012                        | 2025             | Replace w/ Electric |
| 6    | PMC                            | Zamboni-Main   | 2019                        | 2029             |                     |
| 7    | Urban Park                     | Zamboni-Main   | 2009                        | 2024             |                     |

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |                              | Project<br>Total | Approved<br>Pre-2022 | Requested |              |              |              |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|------------------------------|------------------|----------------------|-----------|--------------|--------------|--------------|------|-----------------|-----------------|
|                      |                              |                  |                      | 2022      | 2023         | 2024         | 2025         | 2026 |                 |                 |
| Department           | Community Services           |                  |                      |           |              |              |              |      |                 |                 |
| Division             | Arenas - Arenas              |                  |                      |           |              |              |              |      |                 |                 |
| Project Description  | Ice Resurfacers - All Arenas |                  |                      |           |              |              |              |      |                 |                 |
| Project #            | 6-4.04                       |                  |                      |           |              |              |              |      |                 |                 |
| Expenditures         |                              |                  |                      |           |              |              |              |      |                 |                 |
| Contractual Services |                              | 1,080.0          |                      |           | 180.0        | 180.0        | 180.0        |      | 540.0           |                 |
| Total Direct Revenue |                              | <u>1,080.0</u>   |                      |           | <u>180.0</u> | <u>180.0</u> | <u>180.0</u> |      | <u>540.0</u>    |                 |
| Net Requirements     |                              | <u>1,080.0</u>   |                      |           | <u>180.0</u> | <u>180.0</u> | <u>180.0</u> |      | <u>540.0</u>    |                 |
| To Be Financed From: |                              |                  |                      |           |              |              |              |      |                 |                 |
| Capital Levy         |                              | <u>1,080.0</u>   |                      |           | <u>180.0</u> | <u>180.0</u> | <u>180.0</u> |      | <u>540.0</u>    |                 |

# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                       | Ref    | Project Total | Approved Pre-2022 | 2022        |       |          |          |         |       |       | 2023  |       | 2024    |         | 2025 & After |         |
|---|--------|---------------|-------------------|-------------|-------|----------|----------|---------|-------|-------|-------|-------|---------|---------|--------------|---------|
|   |        |               |                   | Total Costs | Rev   | Net Cost | Cap Levy | Dev Chg | Deb   | Other | Total | Net   | Total   | Net     | Total        | Net     |
| Community Services Recreation             |        |               |                   |             |       |          |          |         |       |       |       |       |         |         |              |         |
| Parks and Open Space Rejuvenation         | 6-5.01 | 3,421.6       | 280.6             | 354.0       | 104.0 | 250.0    | 250.0    |         |       |       | 606.0 | 500.0 | 608.0   | 500.0   | 1,573.0      | 1,000.0 |
| Boat Launch Repair/Upgrade                | 6-5.02 | 150.0         |                   | 150.0       |       | 150.0    |          |         | 150.0 |       |       |       |         |         |              |         |
| Beavermead Campground Park Implementation | 6-5.03 | 2,161.4       | 1,465.4           |             |       |          |          |         |       |       | 80.0  | 80.0  | 82.0    | 82.0    | 534.0        | 534.0   |
| Del Crary Park Upgrade                    | 6-5.04 | 6,550.0       | 100.0             |             |       |          |          |         |       |       |       |       | 3,700.0 | 3,700.0 | 2,750.0      | 2,750.0 |
| Total                                     |        | 12,283.0      | 1,846.0           | 504.0       | 104.0 | 400.0    | 250.0    |         | 150.0 |       | 686.0 | 580.0 | 4,390.0 | 4,282.0 | 4,857.0      | 4,284.0 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Community Services**Budget Reference #:** 6-5.01**Division:** Planning - Recreation**Project Name & Description**

Parks and Open Space Rejuvenation

**Commitments Made**

On February 18, 2020, City Council adopted in principle the Assessment of Parks and Open Spaces document and the Parks Development Standards document presented in Report CSRS20-003.

**Effects on Future Operating Budgets**

Additional parks will result in the need to adjust Public Works and Community Services operating budgets for maintenance costs.

**Project Detail, Justification & Reference Map**

In 2019, a comprehensive consultation program was conducted to assess existing City parks and open spaces together with a Parks Development Standards document which focused on Neighbourhood Parks. The Assessment of Parks and Open Space and Parks Development Standards documents provided an evaluation of the quality and functionality of established Neighbourhood Parks and identified those in need of rejuvenation.

From that Assessment, the following parks were the top 10 parks identified for rejuvenation: Cameron Tot Lot, Earlwood, Keith Wightman, Dominion, Hamilton, Glenn Pagett, Whitefield, Dainard, Denne, Queen Alexandra.

This project will bring the parks identified as most in need of upgrades, up to standard. One park is planned for 2022.

Based on the Parks Development Standards document, a typical neighbourhood park rejuvenation project has an estimated construction cost of \$300,000 plus consulting fee and contingency estimated at an additional \$50,000 for a estimated budget total of \$350,000 per park. A municipal budget commitment of \$250,000 will allow for an application to be made to the Tollington Parks Endowment Fund in the amount of \$104,000 to supplement the municipal capital budget and allow for the ability to bring one park up to the minimum standard.

**Accessibility Considerations**

All projects completed within this budget will be in compliance with the AODA Guidelines.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                   |                                   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|-----------------------------------|-----------------------------------|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                                   |                                   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department                        | Community Services                |                  |                      |              |              |              |              |              |                 |                 |  |
| Division                          | Planning - Recreation             |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description               | Parks and Open Space Rejuvenation |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #                         | 6-5.01                            |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures                      |                                   |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services              |                                   | 3,421.6          | 280.6                | 354.0        | 606.0        | 608.0        | 610.0        | 612.0        | 351.0           |                 |  |
| Total Direct Revenue              |                                   | <u>3,421.6</u>   | <u>280.6</u>         | <u>354.0</u> | <u>606.0</u> | <u>608.0</u> | <u>610.0</u> | <u>612.0</u> | <u>351.0</u>    |                 |  |
| Direct Revenue                    |                                   |                  |                      |              |              |              |              |              |                 |                 |  |
| Tollington trust revenue          |                                   | 1,126.0          | 235.0                | 104.0        | 106.0        | 108.0        | 110.0        | 112.0        | 351.0           |                 |  |
| Contribution from related project |                                   | 19.4             | 19.4                 |              |              |              |              |              |                 |                 |  |
| Trsf btwn OPs & Cap               |                                   | 19.0             | 19.0                 |              |              |              |              |              |                 |                 |  |
| Total Direct Revenue              |                                   | <u>1,164.4</u>   | <u>273.4</u>         | <u>104.0</u> | <u>106.0</u> | <u>108.0</u> | <u>110.0</u> | <u>112.0</u> | <u>351.0</u>    |                 |  |
| Net Requirements                  |                                   | <u>2,257.2</u>   | <u>7.2</u>           | <u>250.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> |                 |                 |  |
| To Be Financed From:              |                                   |                  |                      |              |              |              |              |              |                 |                 |  |
| Reserves                          |                                   |                  |                      |              |              |              |              |              |                 |                 |  |
| Capital Levy Reserve              |                                   | <u>7.2</u>       | <u>7.2</u>           |              |              |              |              |              |                 |                 |  |
| Total Reserves                    |                                   | <u>7.2</u>       | <u>7.2</u>           |              |              |              |              |              |                 |                 |  |
| Capital Levy                      |                                   | <u>2,250.0</u>   |                      | <u>250.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> | <u>500.0</u> |                 |                 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets**

**Department:** Community Services

**Budget Reference #:** 6-5.02

**Division:** Recreation - Recreation

**Project Name & Description**

City Boat Launch Repair/Upgrade Program

**Commitments Made**

**Effects on Future Operating Budgets**

**Project Detail, Justification & Reference Map**

As per Report CSRS19-003, following a review report on city area boat launches the recommendation to establish a capital project to review solutions to the Sherin Avenue boat Launch was identified as a priority project for repair or replacement.



**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |                            | Project<br>Total | Approved<br>Pre-2022 | Requested    |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|----------------------------|------------------|----------------------|--------------|------|------|------|------|-----------------|-----------------|
|                           |                            |                  |                      | 2022         | 2023 | 2024 | 2025 | 2026 |                 |                 |
| Department                | Community Services         |                  |                      |              |      |      |      |      |                 |                 |
| Division                  | Recreation - Recreation    |                  |                      |              |      |      |      |      |                 |                 |
| Project Description       | Boat Launch Repair/Upgrade |                  |                      |              |      |      |      |      |                 |                 |
| Project #                 | 6-5.02                     |                  |                      |              |      |      |      |      |                 |                 |
| Expenditures              |                            |                  |                      |              |      |      |      |      |                 |                 |
| Contractual Services      |                            | 150.0            |                      | 150.0        |      |      |      |      |                 |                 |
| Total Direct Revenue      |                            | <u>150.0</u>     |                      | <u>150.0</u> |      |      |      |      |                 |                 |
| Net Requirements          |                            | <u>150.0</u>     |                      | <u>150.0</u> |      |      |      |      |                 |                 |
| To Be Financed From:      |                            |                  |                      |              |      |      |      |      |                 |                 |
| Debentures                |                            |                  |                      |              |      |      |      |      |                 |                 |
| Deb Rev-Tax Supported     |                            | 150.0            |                      | 150.0        |      |      |      |      |                 |                 |
| Total Debenture Financing |                            | <u>150.0</u>     |                      | <u>150.0</u> |      |      |      |      |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Community Services**Budget Reference #:** 6-5.03**Division:** Recreation - Recreation**Project Name & Description**

Beavermead Campground Park Implementation

**Commitments Made**

The Little Lake Master Plan (LLMP), completed in 2010, recommended a user and cost benefit analysis of the functions and lands used for camping at Beavermead Park. That analysis was undertaken in 2011. Council received the staff report CSD12 - 001 on the cost benefit analysis.

A need was identified to upgrade facilities at the park to become more competitive in the camping business. Council has entered into a five-year agreement (with the option to renew for an additional five years) with Otonabee Region Conservation Authority to operate the campground. A condition of that agreement is that certain improvements to land and amenities at the campground are provided by the City, to ensure the physical space at the campground is conducive to a viable campground operation.

**Effects on Future Operating Budgets**

Ongoing maintenance and eventual replacement of facilities will be required.

**Project Detail, Justification & Reference Map**

In 2020 the construction was completed for the Beavermead Campground Washroom. In the 2021 Capital Project included the Beavermead Entry Gatehouse, and the design was completed and construction began in Fall 2021.

Annual allocations in 2022 and beyond are for projects such as installing a chain link fence along the eastern edge of the campground, screen plantings for privacy between the campsites, removal of buck thorn from the creek's edge and replacing with native species to enhance biodiversity to the water's edge and stabilize erosion prone banks, repair and maintenance of the interior roadway.

**Accessibility Considerations**

All works will be completed in compliance with the AODA guidelines.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                           |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |              | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|---|------------------|----------------------|-------------|-------------|-------------|-------------|--------------|-----------------|-----------------|
|                           |   |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026         |                 |                 |
| Department                | Community Services                        |                  |                      |             |             |             |             |              |                 |                 |
| Division                  | Recreation - Recreation                   |                  |                      |             |             |             |             |              |                 |                 |
| Project Description       | Beavermead Campground Park Implementation |                  |                      |             |             |             |             |              |                 |                 |
| Project #                 | 6-5.03                                    |                  |                      |             |             |             |             |              |                 |                 |
| Expenditures              |   |                  |                      |             |             |             |             |              |                 |                 |
| Contractual Services      | 2,161.4                                   | 1,465.4          |                      | 80.0        | 82.0        | 84.0        | 86.0        | 364.0        |                 |                 |
| Total Direct Revenue      | <u>2,161.4</u>                            | <u>1,465.4</u>   |                      | <u>80.0</u> | <u>82.0</u> | <u>84.0</u> | <u>86.0</u> | <u>364.0</u> |                 |                 |
| Net Requirements          | <u>2,161.4</u>                            | <u>1,465.4</u>   |                      | <u>80.0</u> | <u>82.0</u> | <u>84.0</u> | <u>86.0</u> | <u>364.0</u> |                 |                 |
| To Be Financed From:      |   |                  |                      |             |             |             |             |              |                 |                 |
| Debentures                |   |                  |                      |             |             |             |             |              |                 |                 |
| Deb Rev-Tax Supported     | 265.0                                     | 265.0            |                      |             |             |             |             |              |                 |                 |
| DEBT DC-Parks             | 450.0                                     | 450.0            |                      |             |             |             |             |              |                 |                 |
| Total Debenture Financing | <u>715.0</u>                              | <u>715.0</u>     |                      |             |             |             |             |              |                 |                 |
| Development Charges       |   |                  |                      |             |             |             |             |              |                 |                 |
| DC Parks                  | 443.0                                     | 443.0            |                      |             |             |             |             |              |                 |                 |
| Total Development Charges | <u>443.0</u>                              | <u>443.0</u>     |                      |             |             |             |             |              |                 |                 |
| Reserves                  |   |                  |                      |             |             |             |             |              |                 |                 |
| Capital Levy Reserve      | 95.4                                      | 95.4             |                      |             |             |             |             |              |                 |                 |
| Beavermead Reserve        | 50.0                                      | 50.0             |                      |             |             |             |             |              |                 |                 |
| MAT Reserve               | 70.0                                      | 70.0             |                      |             |             |             |             |              |                 |                 |
| Total Reserves            | <u>215.4</u>                              | <u>215.4</u>     |                      |             |             |             |             |              |                 |                 |
| Capital Levy              | <u>788.0</u>                              | <u>92.0</u>      |                      | <u>80.0</u> | <u>82.0</u> | <u>84.0</u> | <u>86.0</u> | <u>364.0</u> |                 |                 |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Community Services**Budget Reference #:** 6-5.04**Division:** Recreation - Recreation**Project Name & Description**

Del Crary Park Upgrade

The resources identified in this project will finance the implementation of the recommendations of the Little Lake Master Plan.

**Commitments Made**

The Little Lake Master Plan was a comprehensive study of the waterfront, Otonabee River, and Little Lake from the bridge on Hunter Street to the bridge on Lansdowne Street. The study assessed current conditions, activity, uses and opportunities to develop a comprehensive plan for the Little Lake study area. It provided a guiding plan for the City of Peterborough for 20 years. Council officially received the plan as a result of Report CSD10-003, dated March 15, 2010.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The Little Lake Master Plan (LLMP) recommended a number of priority projects for implementation, of which staff recommend the following initiatives :

- Del Crary Park Plan – Preliminary design of Del Crary Park, Anderson Stage, and Peterborough Marina in 2020-21.
- A Secondary plan, including detailed design in 2022
- Construction - Commencing September 2023 and concluding in June 2024, complete construction on the park, stage and marina building. Staff will seek funding from senior levels of government and explore corporate sponsorship opportunities.

The funds requested in 2020 were to support the Preliminary design of Del Crary Park, Anderson Stage, and Peterborough Marina, including additional space within the Marina building suitable for a commercial lease opportunity. The project was delayed in 2020-21 due to the pandemic. Therefore no allocation is requested for 2021 or 2022.

**Accessibility Considerations**

All facilities will be constructed to meet the AODA guidelines.

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                           |                         | Project<br>Total | Approved<br>Pre-2022 | Requested |                |                |              |              | 2027 to<br>2031 | 2032 to<br>2046 |
|---------------------------|-------------------------|------------------|----------------------|-----------|----------------|----------------|--------------|--------------|-----------------|-----------------|
|                           |                         |                  |                      | 2022      | 2023           | 2024           | 2025         | 2026         |                 |                 |
| Department                | Community Services      |                  |                      |           |                |                |              |              |                 |                 |
| Division                  | Recreation - Recreation |                  |                      |           |                |                |              |              |                 |                 |
| Project Description       | Del Crary Park Upgrade  |                  |                      |           |                |                |              |              |                 |                 |
| Project #                 | 6-5.04                  |                  |                      |           |                |                |              |              |                 |                 |
| Expenditures              |                         |                  |                      |           |                |                |              |              |                 |                 |
| Contractual Services      | 6,550.0                 | 100.0            |                      |           | 3,700.0        | 2,000.0        | 250.0        | 500.0        |                 |                 |
| Total Direct Revenue      | <u>6,550.0</u>          | <u>100.0</u>     |                      |           | <u>3,700.0</u> | <u>2,000.0</u> | <u>250.0</u> | <u>500.0</u> |                 |                 |
| Net Requirements          | <u>6,550.0</u>          | <u>100.0</u>     |                      |           | <u>3,700.0</u> | <u>2,000.0</u> | <u>250.0</u> | <u>500.0</u> |                 |                 |
| To Be Financed From:      |                         |                  |                      |           |                |                |              |              |                 |                 |
| Debentures                |                         |                  |                      |           |                |                |              |              |                 |                 |
| Deb Rev-Tax Supported     | 3,135.0                 |                  |                      |           | 2,417.5        | 717.5          |              |              |                 |                 |
| DEBT DC-Parks             | 2,565.0                 |                  |                      |           | 1,282.5        | 1,282.5        |              |              |                 |                 |
| Total Debenture Financing | <u>5,700.0</u>          |                  |                      |           | <u>3,700.0</u> | <u>2,000.0</u> |              |              |                 |                 |
| Development Charges       |                         |                  |                      |           |                |                |              |              |                 |                 |
| DC Parks                  | 100.0                   | 100.0            |                      |           |                |                |              |              |                 |                 |
| Total Development Charges | <u>100.0</u>            | <u>100.0</u>     |                      |           |                |                |              |              |                 |                 |
| Capital Levy              | <u>750.0</u>            |                  |                      |           |                |                | <u>250.0</u> | <u>500.0</u> |                 |                 |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description           | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |      | 2024  |      | 2025 & After |       |  |
|-------------------------------|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|------|-------|------|--------------|-------|--|
|                               |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net  | Total | Net  | Total        | Net   |  |
| Community Services Recreation |        |               |                   |             |     |          |          |         |     |       |       |      |       |      |              |       |  |
| Sports Tourism Sponsorship    | 6-5.05 | 500.0         | 175.0             |             |     |          |          |         |     |       | 75.0  | 75.0 | 75.0  | 75.0 | 175.0        | 175.0 |  |
| Total                         |        | 500.0         | 175.0             |             |     |          |          |         |     |       | 75.0  | 75.0 | 75.0  | 75.0 | 175.0        | 175.0 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Community Services**Budget Reference #:** 6-5.05**Division:** Recreation - Recreation**Project Name & Description**

Sport Tourism Sponsorship

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The City has made considerable investment in new state of the art sport facilities over the past five years, including new artificial Turf fields at Fleming College, Thomas A Stewart & Holy Cross Secondary Schools, official size baseball diamond, and sport field with lighting on the east bank of Trent University lands. These investments came with the intention of attracting major sport tourism events, which would generate a positive economic sport tourism benefit to the community.

This budget will support expenses up to \$75,000 per year related to activities to attract and host major sport tourism events, organized and hosted by third parties. The City will work with Peterborough and Kawartha Economic Development to identify and secure sport tourism events.

**Accessibility Considerations**

Events supported through the Sport Tourism Sponsorship capital budget will be expected to meet AODA standards relative to the type of event.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |                            | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |             | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|----------------------------|------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|
|                      |                            |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026        |                 |                 |
| Department           | Community Services         |                  |                      |             |             |             |             |             |                 |                 |
| Division             | Recreation - Recreation    |                  |                      |             |             |             |             |             |                 |                 |
| Project Description  | Sports Tourism Sponsorship |                  |                      |             |             |             |             |             |                 |                 |
| Project #            | 6-5.05                     |                  |                      |             |             |             |             |             |                 |                 |
| Expenditures         |                            |                  |                      |             |             |             |             |             |                 |                 |
| Contractual Services | 500.0                      | 175.0            |                      | 75.0        | 75.0        | 75.0        | 25.0        | 75.0        |                 |                 |
| Total Direct Revenue | <u>500.0</u>               | <u>175.0</u>     |                      | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>25.0</u> | <u>75.0</u> |                 |                 |
| Net Requirements     | <u>500.0</u>               | <u>175.0</u>     |                      | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>25.0</u> | <u>75.0</u> |                 |                 |
| To Be Financed From: |                            |                  |                      |             |             |             |             |             |                 |                 |
| Reserves             |                            |                  |                      |             |             |             |             |             |                 |                 |
| MAT Reserve          | 425.0                      | 100.0            |                      | 75.0        | 75.0        | 75.0        | 25.0        | 75.0        |                 |                 |
| Total Reserves       | <u>425.0</u>               | <u>100.0</u>     |                      | <u>75.0</u> | <u>75.0</u> | <u>75.0</u> | <u>25.0</u> | <u>75.0</u> |                 |                 |
| Capital Levy         | <u>75.0</u>                | <u>75.0</u>      |                      |             |             |             |             |             |                 |                 |



**City of Peterborough**  
**Other Capital Budget Summary**  
2022-2031 & Subsequent Years

| Project Description                             | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |         |
|---|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|---------|
|   |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net     |
| Community Services<br>Arts Culture and Heritage |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |
| Municipal Cultural Plan                         | 6-6.01 | 2,443.8       | 423.8             | 140.0       |     | 140.0    | 140.0    |         |     |       | 230.0 | 230.0 | 100.0 | 100.0 | 1,550.0      | 1,550.0 |
| Public Art                                      | 6-6.02 | 2,167.8       | 515.8             | 86.5        |     | 86.5     | 86.5     |         |     |       | 86.5  | 86.5  | 86.5  | 86.5  | 1,392.5      | 1,392.5 |
| Heritage Neighbourhood Study                    | 6-6.03 | 170.0         |                   |             |     |          |          |         |     |       | 120.0 | 120.0 | 50.0  | 50.0  |              |         |
| Places of Faith Adaptive Reuse Study            | 6-6.04 | 120.0         |                   |             |     |          |          |         |     |       | 120.0 | 120.0 |       |       |              |         |
| Total   |        | 4,901.6       | 939.6             | 226.5       |     | 226.5    | 226.5    |         |     |       | 556.5 | 556.5 | 236.5 | 236.5 | 2,942.5      | 2,942.5 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets**

**Department:** Community Services

**Budget Reference #:** 6-6.01

**Division:** Culture & Heritage Div Mgmt - Arts Culture and Heritage

**Project Name & Description**

Implementation of the Municipal Cultural Plan(MCP)

Municipal Cultural Plan Refresh will update the existing plan and provide a framework for future support of arts, culture and heritage. It will review completed actions and identify new actions and initiatives for the division for the next five years. Culture and Heritage is changing rapidly so staff are recommending a refresh and a look forward for the next five years.

**Commitments Made**

**Effects on Future Operating Budgets**

Staff anticipates a continued contribution to EC3 and new initiatives that will impact the future operating budgets to maintain the City's commitment to Arts, Culture and Heritage.

**Project Detail, Justification & Reference Map**

The 2022 capital budget includes \$140,000 for City staff to complete Municipal Cultural Plan objectives and refresh existing plan project. In 2022 the MCP will have reached its 10 year life span so staff will work to establish another plan for the next 5 years with \$30,000 will be used for the hiring of a consultant to engage the community on next steps for this plan. Electric City Culture Council funding is \$85,000.

**Accessibility Considerations**

Municipal Cultural Plan activities will be AODA compliant.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested    |              |              |              |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|--------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022         | 2023         | 2024         | 2025         | 2026         |                 |                 |  |
| Department           | Community Services                                      |                  |                      |              |              |              |              |              |                 |                 |  |
| Division             | Culture & Heritage Div Mgmt - Arts Culture and Heritage |                  |                      |              |              |              |              |              |                 |                 |  |
| Project Description  | Municipal Cultural Plan                                 |                  |                      |              |              |              |              |              |                 |                 |  |
| Project #            | 6-6.01  |                  |                      |              |              |              |              |              |                 |                 |  |
| Expenditures         |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Contractual Services |   | 2,443.8          | 423.8                | 140.0        | 230.0        | 100.0        | 100.0        | 100.0        | 605.0           | 745.0           |  |
| Net Requirements     |   | <u>2,443.8</u>   | <u>423.8</u>         | <u>140.0</u> | <u>230.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>605.0</u>    | <u>745.0</u>    |  |
| To Be Financed From: |   |                  |                      |              |              |              |              |              |                 |                 |  |
| Capital Levy         |   | <u>2,443.8</u>   | <u>423.8</u>         | <u>140.0</u> | <u>230.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>605.0</u>    | <u>745.0</u>    |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Community Services**Budget Reference #:** 6-6.02**Division:** Culture & Heritage Div Mgmt - Arts Culture and Heritage**Project Name & Description****Public Art**

Many Canadian municipalities incorporate art into the infrastructure of their communities through an annual contribution based on a percentage of the municipality's capital investment.

Art can define a city. A city's character, history, aspirations and challenges are expressed and reflected by its artistic engagement. Public Art adds to the identity and quality of the civic landscape; enriches our experience of public spaces; pays tribute to particular sites, individuals and events; builds civic pride; fosters community and enhances the city's cultural heritage.

**Commitments Made**

Through Report CSACH 09-007, on April 6, 2009 council approved the recommendation to provide an annual capital levy contribution of 1% of the City's annual capital levy to fund Public Art.

**Effects on Future Operating Budgets**

Percentage of annual capital levy.

**Project Detail, Justification & Reference Map**

The Public Art Policy identifies five main areas: Public Art Capital Projects; Temporary Projects; Public Art Development and Arts Sector Advancement Program; Community-Based Projects; and Special Projects.

The Public Art Program priorities for 2022 comprises the phase II implementation of three pilot collaborations across the corporation and within the community with step one completed in 2021. including The Public Art for Community Project; The Transit Shelter Project and Artist Residencies as part of the Art for Sustainability Advancement Program.

**Accessibility Considerations**

The location of each piece is selected for it's visibility and accessibility.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested   |             |             |             |             | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------------|
|                      |   |                  |                      | 2022        | 2023        | 2024        | 2025        | 2026        |                 |                 |
| Department           | Community Services                                      |                  |                      |             |             |             |             |             |                 |                 |
| Division             | Culture & Heritage Div Mgmt - Arts Culture and Heritage |                  |                      |             |             |             |             |             |                 |                 |
| Project Description  | Public Art  |                  |                      |             |             |             |             |             |                 |                 |
| Project #            | 6-6.02  |                  |                      |             |             |             |             |             |                 |                 |
| Expenditures         |   |                  |                      |             |             |             |             |             |                 |                 |
| Contractual Services |   | 2,167.8          | 515.8                | 86.5        | 86.5        | 86.5        | 86.5        | 86.5        | 419.5           | 800.0           |
| Total Direct Revenue |   | <u>2,167.8</u>   | <u>515.8</u>         | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>419.5</u>    | <u>800.0</u>    |
| Direct Revenue       |   |                  |                      |             |             |             |             |             |                 |                 |
| Donation             |   | <u>80.0</u>      | <u>80.0</u>          |             |             |             |             |             |                 |                 |
| Total Direct Revenue |   | <u>80.0</u>      | <u>80.0</u>          |             |             |             |             |             |                 |                 |
| Net Requirements     |   | <u>2,087.8</u>   | <u>435.8</u>         | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>419.5</u>    | <u>800.0</u>    |
| To Be Financed From: |   |                  |                      |             |             |             |             |             |                 |                 |
| Capital Levy         |   | <u>2,087.8</u>   | <u>435.8</u>         | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>86.5</u> | <u>419.5</u>    | <u>800.0</u>    |

## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Community Services

**Budget Reference #:** 6-6.03

**Division:** Culture & Heritage Div Mgmt - Arts Culture and Heritage

**Climate Mitigation:** Yes

#### Project Name & Description

Neighbourhood Heritage Study:

A Neighbourhood Heritage Study (NHS) will complete Initiative 5.1.1 of the City's Municipal Cultural Plan to "Identify and celebrate the distinct neighbourhoods of the City". A NHS will inventory, characterize, and map the City's heritage resources. Where typical heritage designation policies focus on individual buildings' design and historical significance, this approach looks at the relationships between individual properties and their broader urban context. These studies align with requirements in the Heritage Act and Planning Act, but also use "historic context statements" for evaluating historic resources. For example, some heritage resources have status as landmarks, others contribute to neighbourhood character, support cultural activities, embody local stories or hold meaning for local residents. The study prioritizes neighbourhoods for detailed conservation planning and recommends the best mechanism for preservation in each case.

#### Commitments Made

#### Effects on Future Operating Budgets

With a completed inventory of specific heritage neighbourhoods and landscapes, staff will make capital requests for appropriate conservation programs, on a regular basis, as funding permits.

#### Project Detail, Justification & Reference Map

Peterborough is a city with many distinct neighbourhoods and rich historic areas worthy of preservation. An emerging best practice in North America is the creation of Neighbourhood Heritage Studies in which the municipality identifies unique neighbourhoods and catalogs their significant cultural values. This allows staff to prioritize neighbourhoods for further study and to choose the most efficient and cost effective tools, such as heritage conservation districts, heritage landscape designation or heritage zoning, for protecting heritage resources.

The Neighbourhood Heritage Study will include City wide historical research to identify distinct neighbourhoods, development of a methodology unique to Peterborough and the completion of a three neighbourhood pilot project. This will be followed by a review and revision of the methodology and completion of studies on the remaining neighbourhoods. The study will include extensive research, mapping, community consultation, and analysis. In order to efficiently determine how to proceed with future heritage planning in Peterborough, staff is recommending the completion of a Neighbourhood Heritage Study.

\$120,000 is being requested in 2023 for a Neighbourhood Heritage Study.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |              |             |      |      | 2027 to<br>2031 | 2032 to<br>2046 |
|----------------------|---|------------------|----------------------|-----------|--------------|-------------|------|------|-----------------|-----------------|
|                      |   |                  |                      | 2022      | 2023         | 2024        | 2025 | 2026 |                 |                 |
| Department           | Community Services                                      |                  |                      |           |              |             |      |      |                 |                 |
| Division             | Culture & Heritage Div Mgmt - Arts Culture and Heritage |                  |                      |           |              |             |      |      |                 |                 |
| Project Description  | Heritage Neighbourhood Study                            |                  |                      |           |              |             |      |      |                 |                 |
| Project #            | 6-6.03  |                  |                      |           |              |             |      |      |                 |                 |
| Expenditures         |   |                  |                      |           |              |             |      |      |                 |                 |
| Contractual Services |   | 170.0            |                      |           | 120.0        | 50.0        |      |      |                 |                 |
| Total Direct Revenue |   | <u>170.0</u>     |                      |           | <u>120.0</u> | <u>50.0</u> |      |      |                 |                 |
| Net Requirements     |   | <u>170.0</u>     |                      |           | <u>120.0</u> | <u>50.0</u> |      |      |                 |                 |
| To Be Financed From: |   |                  |                      |           |              |             |      |      |                 |                 |
| Capital Levy         |   | <u>170.0</u>     |                      |           | <u>120.0</u> | <u>50.0</u> |      |      |                 |                 |

## 2022 - 2031 Capital Budget Justification

### Other Capital Assets

**Department:** Community Services**Budget Reference #:** 6-6.04**Division:** Culture & Heritage Div Mgmt - Arts Culture and Heritage**Climate Mitigation:** Yes**Project Name & Description****Place of Faith Adaptive Reuse Study**

Many churches are historically significant to the community and best practice would see the churches adapted to new uses like housing, commercial or institutional space, or for community use, when no longer required as a place of faith.

**Commitments Made****Effects on Future Operating Budgets**

Depending on the recommendations provided by the study, Council may wish to create financial support programs for the reuse of heritage churches.

**Project Detail, Justification & Reference Map**

A United Church of Canada study has found that dwindling attendance in five of its churches in Peterborough will lead to their closure in 3-5 years. Other denominations are seeing the same trend. Since 2015 St. Barnabas Anglican, St. Andrews and Knox United, and St. Paul's Presbyterian have closed. The pace of closure for historic churches is accelerating. These churches represent irreplaceable community heritage and, as local landmarks, define neighbourhood character. They also represent profitable redevelopment opportunities through adaptive reuse of tens of thousands of square feet of attractive real estate. Identifying opportunities to intensify built up areas of the city while conserving heritage resources has been identified as a major focus of the Official Plan review.

To ensure that each church is reused to its greatest capacity, an adaptive reuse study for places of faith is proposed. Working with churches that voluntarily participate, the study will review the viability of each congregation and inventory each church's space resources, capacity to be made accessible, land-use planning potential, etc. It will analyze current local business growth trends and corporate relocation prospects for Peterborough, affordable and market rate housing needs and community organization space needs. The study will then propose a best fit for each church, matching the property's assets with community needs including housing, commercial or professional space and community use. The study will be a blueprint for creating partnerships between congregations, community groups and the development sector to successfully re-purpose the city's finest landmarks.



**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |   | Project<br>Total | Approved<br>Pre-2022 | Requested |              |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|---|------------------|----------------------|-----------|--------------|------|------|------|-----------------|-----------------|--|
|                      |   |                  |                      | 2022      | 2023         | 2024 | 2025 | 2026 |                 |                 |  |
| Department           | Community Services                                      |                  |                      |           |              |      |      |      |                 |                 |  |
| Division             | Culture & Heritage Div Mgmt - Arts Culture and Heritage |                  |                      |           |              |      |      |      |                 |                 |  |
| Project Description  | Places of Faith Adaptive Reuse Study                    |                  |                      |           |              |      |      |      |                 |                 |  |
| Project #            | 6-6.04  |                  |                      |           |              |      |      |      |                 |                 |  |
| Expenditures         |   |                  |                      |           |              |      |      |      |                 |                 |  |
| Contractual Services |   | 120.0            |                      |           | 120.0        |      |      |      |                 |                 |  |
| Total Direct Revenue |   | <u>120.0</u>     |                      |           | <u>120.0</u> |      |      |      |                 |                 |  |
| Net Requirements     |   | <u>120.0</u>     |                      |           | <u>120.0</u> |      |      |      |                 |                 |  |
| To Be Financed From: |   |                  |                      |           |              |      |      |      |                 |                 |  |
| Capital Levy         |   | <u>120.0</u>     |                      |           | <u>120.0</u> |      |      |      |                 |                 |  |

# City of Peterborough

## Other Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                   | Ref    | Project Total | Approved Pre-2022 | 2022        |       |          |          |         |     |       | 2023    |       | 2024    |       | 2025 & After |         |
|---------------------------------------|--------|---------------|-------------------|-------------|-------|----------|----------|---------|-----|-------|---------|-------|---------|-------|--------------|---------|
|                                       |        |               |                   | Total Costs | Rev   | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total   | Net   | Total   | Net   | Total        | Net     |
| Community Services<br>Social Services |        |               |                   |             |       |          |          |         |     |       |         |       |         |       |              |         |
| Incentives For Affordable Housing     | 6-7.01 | 11,986.0      | 8,257.0           | 1,208.0     | 868.0 | 340.0    |          | 108.7   |     | 231.3 | 1,243.0 | 340.0 | 1,278.0 | 340.0 |              |         |
| Housing - Capital Repairs             | 6-7.02 | 5,525.0       | 975.0             |             |       |          |          |         |     |       | 150.0   | 67.4  | 150.0   | 67.4  | 4,250.0      | 1,912.5 |
| Building Condition Assessments (BCA)  | 6-7.03 | 1,250.0       | 250.0             |             |       |          |          |         |     |       |         |       |         |       | 1,000.0      | 450.0   |
| Total                                 |        | 18,761.0      | 9,482.0           | 1,208.0     | 868.0 | 340.0    |          | 108.7   |     | 231.3 | 1,393.0 | 407.4 | 1,428.0 | 407.4 | 5,250.0      | 2,362.5 |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Community Services**Budget Reference #:** 6-7.01**Division:** Social Housing - Social Services**Project Name & Description**

Incentives for Affordable Housing

**Commitments Made**

In September of 2011, Council adopted the Affordable Housing Community Improvement Plan (Report PLHD11-062). This initiative provided the City with the authority to grant financial incentives in support of Affordable Housing according to guidelines developed for a number of qualified programs.

In July 2020, Council approved the Review of the 10-year Housing and Homelessness Plan, including target to achieve 2,680 new affordable housing units, 580 supportive housing units as well as 796 affordable home-ownership units by 2029.

Incentives provided under the Community Improvement Plan for Affordable Housing are combined with funding and financing programs from senior levels of government to help meet these targets.

**Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

This capital project continues the Peterborough tradition of stimulating the production of affordable housing through a program of financial incentives.

The order of magnitude of annual cost of the investment in affordable housing is \$1,208,000. Of this total, it is estimated that the contribution from Development Charges will account for \$108,700. Other funding sources include an annual draw of \$150,000 from the Municipal Partnership Fund from the Housing Service's operating budget, approximately \$100,000 through tax relief and development charge exemption programs.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                                     |                                   | Project  | Approved | Requested |         |         |      |      | 2027 to | 2032 to |
|-------------------------------------|-----------------------------------|----------|----------|-----------|---------|---------|------|------|---------|---------|
|                                     |                                   | Total    | Pre-2022 | 2022      | 2023    | 2024    | 2025 | 2026 | 2031    | 2046    |
| Department                          | Community Services                |          |          |           |         |         |      |      |         |         |
| Division                            | Social Housing - Social Services  |          |          |           |         |         |      |      |         |         |
| Project Description                 | Incentives For Affordable Housing |          |          |           |         |         |      |      |         |         |
| Project #                           | 6-7.01                            |          |          |           |         |         |      |      |         |         |
| Expenditures                        |                                   |          |          |           |         |         |      |      |         |         |
| Contractual Services                |                                   | 11,986.0 | 8,257.0  | 1,208.0   | 1,243.0 | 1,278.0 |      |      |         |         |
| Total Direct Revenue                |                                   | 11,986.0 | 8,257.0  | 1,208.0   | 1,243.0 | 1,278.0 |      |      |         |         |
| Direct Revenue                      |                                   |          |          |           |         |         |      |      |         |         |
| Other Recoveries                    |                                   | 3,056.0  | 1,772.0  | 393.0     | 428.0   | 463.0   |      |      |         |         |
| Misc Revenues                       |                                   | 295.0    | 295.0    |           |         |         |      |      |         |         |
| Tsf from Oprns to Res               |                                   | 5,035.0  | 3,610.0  | 475.0     | 475.0   | 475.0   |      |      |         |         |
| Total Direct Revenue                |                                   | 8,386.0  | 5,677.0  | 868.0     | 903.0   | 938.0   |      |      |         |         |
| Net Requirements                    |                                   | 3,600.0  | 2,580.0  | 340.0     | 340.0   | 340.0   |      |      |         |         |
| To Be Financed From:                |                                   |          |          |           |         |         |      |      |         |         |
| Development Charges                 |                                   |          |          |           |         |         |      |      |         |         |
| DC - Afford. Housing                |                                   | 993.6    | 658.0    | 108.7     | 111.9   | 115.0   |      |      |         |         |
| Total Development Charges           |                                   | 993.6    | 658.0    | 108.7     | 111.9   | 115.0   |      |      |         |         |
| Reserves                            |                                   |          |          |           |         |         |      |      |         |         |
| Casino Gaming Reserve               |                                   | 300.0    | 300.0    |           |         |         |      |      |         |         |
| Housing Reserve                     |                                   | 100.0    |          | 100.0     |         |         |      |      |         |         |
| Housing - DOOR Funding Reserve      |                                   | 100.0    | 100.0    |           |         |         |      |      |         |         |
| Affordable Housing Partnership Rese |                                   | 1,406.4  | 1,022.0  | 131.3     | 128.1   | 125.0   |      |      |         |         |
| Total Reserves                      |                                   | 1,906.4  | 1,422.0  | 231.3     | 128.1   | 125.0   |      |      |         |         |
| Capital Levy                        |                                   | 700.0    | 500.0    |           | 100.0   | 100.0   |      |      |         |         |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Community Services**Budget Reference #:** 6-7.02**Division:** Social Housing - Social Services**Project Name & Description**

Housing - Capital Repairs

**Commitments Made**

None.

**Effects on Future Operating Budgets**

This investment in upgrading and maintaining the existing aging portfolio will help provide safe reliable housing, reduce operating costs, reduce waiting lists, and enable the City to maintain the portfolio to meet the Province's required service level standard.

**Project Detail, Justification & Reference Map**

The \$150,000 per year is to be utilized to assist social housing providers with necessary capital repairs and upgrades that are considered a priority, and beyond the ability of the housing provider to fund by themselves. This funding is required to access cost-matched funding from the federal and provincial governments, under the Canada-Ontario Community Housing Initiative (COCHI). These projects are prioritized based on capital asset management data, updated through Building Condition Audits. This capital reserve will be funded from City and County contributions based on the weighted assessment sharing ratios and allowed to accumulate until required.

Municipal investment is key where there is a disconnect between social housing repair needs, including unexpected or emergency repairs, and available funding programs from higher levels of government. This capital project provides a funding stream for such circumstances. Under the National Housing Strategy, the federal government has allocated capital funds for social housing provider regeneration through COCHI. Housing Services assists providers to pursue available funds to supplement/replace municipal investment.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                         |                                  | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |      |       | 2027 to<br>2031 | 2032 to<br>2046 |       |       |       |       |       |         |
|-------------------------|----------------------------------|------------------|----------------------|-----------|------|------|------|-------|-----------------|-----------------|-------|-------|-------|-------|-------|---------|
|                         |                                  |                  |                      | 2022      | 2023 | 2024 | 2025 | 2026  |                 |                 |       |       |       |       |       |         |
| Department              | Community Services               |                  |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Division                | Social Housing - Social Services |                  |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Project Description     | Housing - Capital Repairs        |                  |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Project #               | 6-7.02                           |                  |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Expenditures            |                                  |                  |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Contractual Services    | 5,525.0                          | 975.0            |                      |           |      |      |      |       |                 |                 | 150.0 | 150.0 | 175.0 | 175.0 | 925.0 | 2,975.0 |
| Total Direct Revenue    | 5,525.0                          | 975.0            |                      |           |      |      |      |       |                 |                 | 150.0 | 150.0 | 175.0 | 175.0 | 925.0 | 2,975.0 |
| Direct Revenue          |                                  |                  |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Other Mun-grants & fees | 3,030.9                          | 528.1            |                      |           |      |      |      |       |                 |                 | 82.7  | 82.7  | 96.3  | 96.3  | 508.8 | 1,636.3 |
| Total Direct Revenue    | 3,030.9                          | 528.1            |                      |           |      |      |      |       |                 |                 | 82.7  | 82.7  | 96.3  | 96.3  | 508.8 | 1,636.3 |
| Net Requirements        | 2,494.2                          | 447.0            |                      | 67.4      | 67.4 | 78.8 | 78.8 | 416.3 | 1,338.8         |                 |       |       |       |       |       |         |
| To Be Financed From:    |                                  |                  |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Reserves                |                                  |                  |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Housing Reserve         | 114.1                            | 114.1            |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Total Reserves          | 114.1                            | 114.1            |                      |           |      |      |      |       |                 |                 |       |       |       |       |       |         |
| Capital Levy            | 2,380.1                          | 332.9            |                      | 67.4      | 67.4 | 78.8 | 78.8 | 416.3 | 1,338.8         |                 |       |       |       |       |       |         |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Community Services**Budget Reference #:** 6-7.03**Division:** Social Housing - Social Services**Project Name & Description**

Building Condition Assessments (BCA)

**Commitments Made**

None.

**Effects on Future Operating Budgets**

Asset management in the social housing portfolio can be a key driver of operating costs - strategic asset management reduces budget pressures that arise when maintenance is deferred or overlooked.

Housing Services formulates strategies about required repairs based on expert opinion, prioritized needs, and where necessary, stages funding to ensure capital needs are addressed.

Up to date BCAs are necessary for proactive property management decisions, as well as bulk Requests for Tenders that, when managed by City staff, have historically provided significant savings in operating costs.

**Project Detail, Justification & Reference Map**

Portfolio wide Building Condition Assessments (BCAs) will:

- Update existing assessments of the social housing portfolio in the City and County of Peterborough.
- Identify and target capital repair needs for another 25 to 30-year time period.
- Provide the foundation for a strategic asset management plan for both the City and the housing providers through the introduction of an interactive database.

A BCAs should be undertaken every three to five years by qualified professionals. The last BCAs were completed in 2020-21. Strategic asset management depends on current information and responsive information management for reporting and monitoring.

BCAs, in conjunction with the City's asset management strategy, will significantly improve monitoring of social housing providers' capital reserves, as well as identify capital repair needs and provide capacity to pay.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                      |                                      | Project<br>Total | Approved<br>Pre-2022 | Requested |      |      |       |      | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--------------------------------------|------------------|----------------------|-----------|------|------|-------|------|-----------------|-----------------|--|
|                      |                                      |                  |                      | 2022      | 2023 | 2024 | 2025  | 2026 |                 |                 |  |
| Department           | Community Services                   |                  |                      |           |      |      |       |      |                 |                 |  |
| Division             | Social Housing - Social Services     |                  |                      |           |      |      |       |      |                 |                 |  |
| Project Description  | Building Condition Assessments (BCA) |                  |                      |           |      |      |       |      |                 |                 |  |
| Project #            | 6-7.03                               |                  |                      |           |      |      |       |      |                 |                 |  |
| Expenditures         |                                      |                  |                      |           |      |      |       |      |                 |                 |  |
|                      | Tsfr to Ops from Capital             | 50.0             | 50.0                 |           |      |      |       |      |                 |                 |  |
|                      | Contractual Services                 | 1,200.0          | 200.0                |           |      |      | 250.0 |      | 250.0           | 500.0           |  |
| Total Direct Revenue |                                      | 1,250.0          | 250.0                |           |      |      | 250.0 |      | 250.0           | 500.0           |  |
| Direct Revenue       |                                      |                  |                      |           |      |      |       |      |                 |                 |  |
|                      | Other Mun-grants & fees              | 550.0            |                      |           |      |      | 137.5 |      | 137.5           | 275.0           |  |
| Total Direct Revenue |                                      | 550.0            |                      |           |      |      | 137.5 |      | 137.5           | 275.0           |  |
| Net Requirements     |                                      | 700.0            | 250.0                |           |      |      | 112.5 |      | 112.5           | 225.0           |  |
| To Be Financed From: |                                      |                  |                      |           |      |      |       |      |                 |                 |  |
| Reserves             |                                      |                  |                      |           |      |      |       |      |                 |                 |  |
|                      | Housing Reserve                      | 250.0            | 250.0                |           |      |      |       |      |                 |                 |  |
| Total Reserves       |                                      | 250.0            | 250.0                |           |      |      |       |      |                 |                 |  |
| Capital Levy         |                                      | 450.0            |                      |           |      |      | 112.5 |      | 112.5           | 225.0           |  |



# City of Peterborough

## Tangible Capital Budget Summary

2022-2031 & Subsequent Years

| Project Description                            | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |       | 2024  |       | 2025 & After |         |  |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-------|-------|-------|--------------|---------|--|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net   | Total | Net   | Total        | Net     |  |
| Police Services<br>Peterborough Police Service |        |               |                   |             |     |          |          |         |     |       |       |       |       |       |              |         |  |
| Various Police Capital Projects 2022           | 8-1.01 | 5,288.0       |                   | 1,417.1     |     | 1,417.1  | 1,417.1  |         |     |       | 930.1 | 930.1 | 985.1 | 985.1 | 1,955.8      | 1,955.8 |  |
| Total  |        | 5,288.0       |                   | 1,417.1     |     | 1,417.1  | 1,417.1  |         |     |       | 930.1 | 930.1 | 985.1 | 985.1 | 1,955.8      | 1,955.8 |  |

**2022 - 2031 Capital Budget Justification  
Tangible Capital Assets****Department:** Police Services**Budget Reference #:** 8-1.01**Division:** Police Board - Peterborough Police Service**Project Name & Description**

Various Police Capital Projects 2022

**Commitments Made****Effects on Future Operating Budgets****Project Detail, Justification & Reference Map**

The 2022 Capital Projects for Police include

Fleet Renewal - \$739,850

IT System and Improvements - \$559,779

Other Equipment - \$117,436

In addition to normal requirements for fleet replacement, communication equipment, security initiatives, and computer hardware/software, 2022 Capital Requests include the following priorities:

- Replacement of Prisoner Van – estimated costs \$110,000
- In-Car Camera system – estimated costs \$118,181
- Evidence.com – \$38,905 continue with the Evidence.com project
- Fingerprint device (2) -- estimated costs \$52,936
- Off-Road Vehicle – estimated costs \$61,950

**Tangible Capital Assets**  
**Ten Year Capital Budget Estimates**  
 2022-2031 & Subsequent Years  
 (\$000)

|                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested      |              |              |                |              | 2027 to<br>2031 | 2032 to<br>2046 |  |
|----------------------|--|------------------|----------------------|----------------|--------------|--------------|----------------|--------------|-----------------|-----------------|--|
|                      |  |                  |                      | 2022           | 2023         | 2024         | 2025           | 2026         |                 |                 |  |
| Department           | Police Services                            |                  |                      |                |              |              |                |              |                 |                 |  |
| Division             | Police Board - Peterborough Police Service |                  |                      |                |              |              |                |              |                 |                 |  |
| Project Description  | Various Police Capital Projects 2022       |                  |                      |                |              |              |                |              |                 |                 |  |
| Project #            | 8-1.01                                     |                  |                      |                |              |              |                |              |                 |                 |  |
| Expenditures         |  |                  |                      |                |              |              |                |              |                 |                 |  |
| Contractual Services |  | 5,288.0          |                      | 1,417.1        | 930.1        | 985.1        | 1,045.1        | 910.7        |                 |                 |  |
| Total Direct Revenue |  | <u>5,288.0</u>   |                      | <u>1,417.1</u> | <u>930.1</u> | <u>985.1</u> | <u>1,045.1</u> | <u>910.7</u> |                 |                 |  |
| Net Requirements     |  | <u>5,288.0</u>   |                      | <u>1,417.1</u> | <u>930.1</u> | <u>985.1</u> | <u>1,045.1</u> | <u>910.7</u> |                 |                 |  |
| To Be Financed From: |  |                  |                      |                |              |              |                |              |                 |                 |  |
| Capital Levy         |  | <u>5,288.0</u>   |                      | <u>1,417.1</u> | <u>930.1</u> | <u>985.1</u> | <u>1,045.1</u> | <u>910.7</u> |                 |                 |  |

**City of Peterborough**  
**Other Capital Budget Summary**  
 2022-2031 & Subsequent Years

| Project Description                            | Ref    | Project Total | Approved Pre-2022 | 2022        |     |          |          |         |     |       | 2023  |     | 2024  |     | 2025 & After |       |  |
|--|--------|---------------|-------------------|-------------|-----|----------|----------|---------|-----|-------|-------|-----|-------|-----|--------------|-------|--|
|  |        |               |                   | Total Costs | Rev | Net Cost | Cap Levy | Dev Chg | Deb | Other | Total | Net | Total | Net | Total        | Net   |  |
| Police Services<br>Peterborough Police Service |        |               |                   |             |     |          |          |         |     |       |       |     |       |     |              |       |  |
| Police Service Strategic Plan                  | 8-1.02 | 597.5         | 130.0             | 27.5        |     | 27.5     |          | 13.8    |     | 13.8  |       |     |       |     | 440.0        | 440.0 |  |
| Total  |        | 597.5         | 130.0             | 27.5        |     | 27.5     |          | 13.8    |     | 13.8  |       |     |       |     | 440.0        | 440.0 |  |

**2022 - 2031 Capital Budget Justification  
Other Capital Assets****Department:** Police Services**Budget Reference #:** 8-1.02**Division:** Police Board - Peterborough Police Service**Project Name & Description**

Police Service Strategic Plan

**Commitments Made****Effects on Future Operating Budgets**

The Police Services Board operating budget includes an annual contribution of \$13,750 to the Strategic Plan Reserve to partially fund a Strategic Plan every four years.

**Project Detail, Justification & Reference Map**

A Police Board's mandate is legislated by the Police Services Act and can be summarized as being responsible for the provision of adequate and effective police services in municipalities.

The Strategic Plan is mandated by Section 30 of the Adequacy and Effectiveness Regulation (O.Reg. 3/99) of the current Police Services Act. The new Comprehensive Ontario Police Services Act will be in force in the near future and will require the Board to prepare a new Strategic Plan every four years.

\$110,000 of the prior approved amounts in this project will be used to fund the next Strategic Plan in 2023 for the period of 2024 to 2027.

**Other Capital Assets**  
**Ten Year Capital Budget Estimates**  
2022-2031 & Subsequent Years  
(\$000)

|                                      |  | Project<br>Total | Approved<br>Pre-2022 | Requested   |      |      |      |      | 2027 to<br>2031 | 2032 to<br>2046 |              |              |  |
|--------------------------------------|--|------------------|----------------------|-------------|------|------|------|------|-----------------|-----------------|--------------|--------------|--|
|                                      |  |                  |                      | 2022        | 2023 | 2024 | 2025 | 2026 |                 |                 |              |              |  |
| Department                           | Police Services                            |                  |                      |             |      |      |      |      |                 |                 |              |              |  |
| Division                             | Police Board - Peterborough Police Service |                  |                      |             |      |      |      |      |                 |                 |              |              |  |
| Project Description                  | Police Service Strategic Plan              |                  |                      |             |      |      |      |      |                 |                 |              |              |  |
| Project #                            | 8-1.02                                     |                  |                      |             |      |      |      |      |                 |                 |              |              |  |
| Expenditures                         |  |                  |                      |             |      |      |      |      |                 |                 |              |              |  |
| Contractual Services                 |  | 597.5            | 130.0                | 27.5        |      |      |      |      |                 |                 | 220.0        | 220.0        |  |
| Net Requirements                     |  | <u>597.5</u>     | <u>130.0</u>         | <u>27.5</u> |      |      |      |      |                 |                 | <u>220.0</u> | <u>220.0</u> |  |
| To Be Financed From:                 |  |                  |                      |             |      |      |      |      |                 |                 |              |              |  |
| Development Charges                  |  |                  |                      |             |      |      |      |      |                 |                 |              |              |  |
| DC - Police                          |  | 247.5            | 13.8                 | 13.8        |      |      |      |      |                 |                 | 110.0        | 110.0        |  |
| Total Development Charges            |  | <u>247.5</u>     | <u>13.8</u>          | <u>13.8</u> |      |      |      |      |                 |                 | <u>110.0</u> | <u>110.0</u> |  |
| Reserves                             |  |                  |                      |             |      |      |      |      |                 |                 |              |              |  |
| Tsf frm Recruitment Reserve          |  | 13.8             | 13.8                 |             |      |      |      |      |                 |                 |              |              |  |
| Tsf frm Police Business Plan Reserve |  | 272.5            | 38.8                 | 13.8        |      |      |      |      |                 |                 | 110.0        | 110.0        |  |
| Total Reserves                       |  | <u>286.3</u>     | <u>52.5</u>          | <u>13.8</u> |      |      |      |      |                 |                 | <u>110.0</u> | <u>110.0</u> |  |
| Capital Levy                         |  | <u>63.8</u>      | <u>63.8</u>          |             |      |      |      |      |                 |                 |              |              |  |