

## Project 206 - Details for Budget Year 2016

**Manager** Patrick Pulak 729-2477     
 **Title** College Ave Lift Station Alternate Power Supply  
**Department** ENGINEERING UTILITIES

**Description** This project is for the purchase of a Generator to be installed at the College Avenue Lift Station.

**Comments**

### Budget Version Details

**Budget Year** 2016      **Version** 2016 Proposed

**Status** Council Review

**Description** The College Avenue Lift Station is the last lift station to be outfitted with an alternate power supply . There is a single power supply service to this station with no redundancy in the supply. There is also no source of alternate power. In the event of a power failure there is not sufficient time to respond with a temporary pumping system. To ensure continuity of service during power outages, it is necessary to complete this work in order to minimize the likelihood of sewer backups. It is proposed to install a diesel generator.

### Expenses

| Account | Description           | 2016             | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023       | 2024       | 2025       |
|---------|-----------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 200     | Back up power         | \$350,000        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Expenses</b> | <b>\$350,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

### Revenues

| Account | Description           | 2016             | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023       | 2024       | 2025       |
|---------|-----------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 54      | Wastewater Reserve    | \$350,000        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Revenues</b> | <b>\$350,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

## Project 587 - Details for Budget Year 2016

**Manager** Patrick Pulak 729-2477     
 **Title** New Watermains  
**Department** ENGINEERING UTILITIES

**Description** This project is for the installation of new watermains.

**Comments** New watermains are required to strengthen the existing water distribution system in reaction to changing water demand due to growth and/or changes in land uses.

### Budget Version Details

**Budget Year** 2016      **Version** 2016 Proposed

**Status** Council Review

**Description**

**Comments**

### Expenses

| Account | Description                          | 2016       | 2017             | 2018               | 2019             | 2020               | 2021             | 2022       | 2023       | 2024       | 2025       |
|---------|--------------------------------------|------------|------------------|--------------------|------------------|--------------------|------------------|------------|------------|------------|------------|
| 200     | Clare Ave, 18th St to 1st St N       | \$0        | \$650,000        | \$0                | \$0              | \$1,000,000        | \$0              | \$0        | \$0        | \$0        | \$0        |
| 200     | Patricia Ave - 18th to 26th St       | \$0        | \$0              | \$0                | \$0              | \$0                | \$300,000        | \$0        | \$0        | \$0        | \$0        |
| 200     | Richmond Ave - 34th to Wankling Blvd | \$0        | \$0              | \$0                | \$900,000        | \$0                | \$0              | \$0        | \$0        | \$0        | \$0        |
| 200     | Victoria East to 65th St East        | \$0        | \$0              | \$2,000,000        | \$0              | \$0                | \$0              | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Expenses</b>                | <b>\$0</b> | <b>\$650,000</b> | <b>\$2,000,000</b> | <b>\$900,000</b> | <b>\$1,000,000</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

### Revenues

| Account | Description                | 2016       | 2017             | 2018               | 2019             | 2020               | 2021             | 2022       | 2023       | 2024       | 2025       |
|---------|----------------------------|------------|------------------|--------------------|------------------|--------------------|------------------|------------|------------|------------|------------|
| 55      | Water Distribution Reserve | \$0        | \$650,000        | \$2,000,000        | \$900,000        | \$1,000,000        | \$300,000        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Revenues</b>      | <b>\$0</b> | <b>\$650,000</b> | <b>\$2,000,000</b> | <b>\$900,000</b> | <b>\$1,000,000</b> | <b>\$300,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

## Project 1109 - Details for Budget Year 2016

**Manager** Patrick Pulak 729-2477  
**Title** Wastewater Treatment Facilities Upgrades  
**Department** ENGINEERING UTILITIES

**Description** This project is for upgrades to the wastewater treatment facility.

**Comments** Even though the major upgrade to the wastewater treatment facilities was completed in 2014, there will be circumstances going forward where process equipment that predates the upgrade will need to be upgraded itself. This may include pump replacement and membrane unit renewals.

This is part of the ongoing process of finding efficiencies in the treatment facilities .

### Budget Version Details

**Budget Year** 2016 **Version** 2016 Proposed

**Status** Council Review

**Description** The final component of the multi phased upgrade to the Wastewater Treatment Facilities is a contribution to Maple Leaf Foods to gain ownership of the assets they fully paid for in Phase I of the project.

### Expenses

| Account | Description                                    | 2016               | 2017               | 2018               | 2019       | 2020       | 2021       | 2022       | 2023       | 2024       | 2025       |
|---------|--|--------------------|--------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|
| 0019    | Detailed Design for Maintenance Building       | \$0                | \$40,000           | \$0                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 0410    | Contribution to original construction of IWWTF | \$5,782,233        | \$0                | \$0                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 0410    | EP Pumps #1, #2, and #3 replacement            | \$365,000          | \$0                | \$0                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 0410    | HVAC and Roof repair at Main Lift              | \$200,000          | \$0                | \$0                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 0410    | Membrane Replacement - 3 tanks                 | \$0                | \$0                | \$1,000,000        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 0410    | Mixers #1 through #6 replacement               | \$200,000          | \$0                | \$0                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 200     | Maintenance Building at WRF                    | \$0                | \$2,000,000        | \$0                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Expenses</b>                          | <b>\$6,547,233</b> | <b>\$2,040,000</b> | <b>\$1,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

### Revenues

| Account | Description                   | 2016               | 2017               | 2018               | 2019       | 2020       | 2021       | 2022       | 2023       | 2024       | 2025       |
|---------|-------------------------------|--------------------|--------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|
| 29      | Gas Tax Reserve               | \$0                | \$0                | \$0                | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 54      | Wastewater Collection Reserve | \$6,547,233        | \$2,040,000        | \$1,000,000        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Revenues</b>         | <b>\$6,547,233</b> | <b>\$2,040,000</b> | <b>\$1,000,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

## Project 1083 - Details for Budget Year 2016

**Manager** Patrick Pulak 729-2477      **Title** Water Reclamation Facility (WRF) - Anaerobic Basin Cover Replacement  
**Department** ENGINEERING UTILITIES

**Description** This project is for the replacement of the anaerobic basin cover at the water reclamation facility.

**Comments** The anaerobic basin along with the rest of the IWWTP was constructed in 1999. The cover over the basin was estimated to have a lifespan of 10 years. Through an aggressive preventative maintenance program on the cover, that lifespan has been extended significantly. An inspection in 2010 by GTI, the original supplier, recommended that the cover be replaced no later than 2014. After several years of delay in getting the project started, the basin cover is proposed to be replaced in 2016.

### Budget Version Details

**Budget Year** 2016      **Version** 2016 Proposed

**Status** Council Review

**Description**

**Comments**

### Expenses

| Account | Description           | 2016               | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023       | 2024       | 2025       |
|---------|-----------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 210     | Anaerobic Basin Cover | \$1,900,000        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Expenses</b> | <b>\$1,900,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

### Revenues

| Account | Description             | 2016               | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023       | 2024       | 2025       |
|---------|-------------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 53      | IWWTF Equipment Reserve | \$318,935          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 54      | Wastewater Reserve      | \$1,581,065        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Revenues</b>   | <b>\$1,900,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

## Project 1110 - Details for Budget Year 2016

**Manager** Patrick Pulak 729-2477  
**Title** Water Treatment Facility Upgrades  
**Department** ENGINEERING UTILITIES

**Description** The Water Treatment Facility (WTF) is made up of components that vary greatly in age. As such, through a scheduled basis, these assets are required to be replaced or upgraded to keep up with or meet future standards in water treatment quality.

**Comments** Beginning in 2016, the Maintenance section of the utility will begin compiling a long term schedule of minor upgrades or replacement scenarios for the WTF. As the priorities are established, we will begin to fill in the 10 year capital outlook. Most of this work is dependent on the future status of the funding application to the Federal and Provincial agencies for a \$60M major upgrade to the facility.

### Budget Version Details

**Budget Year** 2016      **Version** 2016 Proposed

**Status** Council Review

**Description**

**Comments**

### Expenses

| Account | Description   | 2016             | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023       | 2024       | 2025       |
|---------|---|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0410    | Upgrade Sludge Dewatering Equipment                   | \$130,000        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 230     | #11 High Lift Pump Overhaul                           | \$38,500         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 230     | #9 Low Lift Pump Overhaul                             | \$38,500         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 230     | Canada Games Park Pump Overhaul                       | \$38,500         | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
| 230     | High Priority Upgrades identified in the Master Plan. | \$400,000        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Expenses</b>                                 | <b>\$645,500</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

### Revenues

| Account | Description                | 2016             | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023       | 2024       | 2025       |
|---------|----------------------------|------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55      | Water Distribution Reserve | \$645,500        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Revenues</b>      | <b>\$645,500</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

## Project 282 - Details for Budget Year 2016

**Manager** Patrick Pulak 729-2477  
**Title** Watermain Replacement Program  
**Department** ENGINEERING UTILITIES

**Description** This project is for watermain replacements.

**Comments** The funding for the replacement of watermains falls under one of two categories depending if the watermain replacement is associated with reconstruction of the over lying road. If the road is scheduled to be replaced then the watermain replacement is budgeted through the street reconstruction project (Project 12), if the street is not replaced but simply repaired then the funds are budgeted through this project.

### Budget Version Details

**Budget Year** 2016      **Version** 2016 Proposed

**Status** Council Review

**Description**

**Comments**

### Expenses

| Account | Description                 | 2016               | 2017             | 2018             | 2019             | 2020             | 2021               | 2022               | 2023             | 2024             | 2025       |
|---------|-----------------------------|--------------------|------------------|------------------|------------------|------------------|--------------------|--------------------|------------------|------------------|------------|
| 200     | 1st & Pacific               | \$100,000          | \$100,000        | \$0              | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$0        |
| 200     | 3rd Street                  | \$0                | \$0              | \$0              | \$0              | \$0              | \$0                | \$0                | \$300,000        | \$0              | \$0        |
| 200     | Airport Distribution        | \$0                | \$0              | \$0              | \$0              | \$300,000        | \$0                | \$0                | \$0              | \$0              | \$0        |
| 200     | Airport Reservoir           | \$0                | \$0              | \$0              | \$0              | \$0              | \$0                | \$1,000,000        | \$0              | \$0              | \$0        |
| 200     | Airport Supply Line         | \$0                | \$0              | \$0              | \$0              | \$0              | \$1,000,000        | \$0                | \$0              | \$0              | \$0        |
| 200     | Canada Crescent             | \$500,000          | \$0              | \$0              | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$0        |
| 200     | Garwood Dr                  | \$0                | \$300,000        | \$0              | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$0        |
| 200     | Hazlewood Cres              | \$0                | \$0              | \$300,000        | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$0        |
| 200     | Inglewood Cres              | \$0                | \$0              | \$0              | \$300,000        | \$0              | \$0                | \$0                | \$0              | \$0              | \$0        |
| 200     | Neepawa Dr - Wakoma         | \$0                | \$0              | \$0              | \$0              | \$0              | \$0                | \$0                | \$0              | \$300,000        | \$0        |
| 200     | Princess Ave - 13th to 18th | \$0                | \$300,000        | \$0              | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$0        |
| 200     | Westwood Bay                | \$500,000          | \$0              | \$0              | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$0        |
|         | <b>Total Expenses</b>       | <b>\$1,100,000</b> | <b>\$700,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$1,000,000</b> | <b>\$1,000,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$0</b> |

### Revenues

| Account | Description                | 2016               | 2017             | 2018             | 2019             | 2020             | 2021               | 2022               | 2023             | 2024             | 2025       |
|---------|----------------------------|--------------------|------------------|------------------|------------------|------------------|--------------------|--------------------|------------------|------------------|------------|
| 29      | Gas Tax Reserve            | \$100,000          | \$0              | \$0              | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$0        |
| 55      | Water Distribution Reserve | \$1,000,000        | \$700,000        | \$300,000        | \$300,000        | \$300,000        | \$1,000,000        | \$1,000,000        | \$300,000        | \$300,000        | \$0        |
|         | <b>Total Revenues</b>      | <b>\$1,100,000</b> | <b>\$700,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$1,000,000</b> | <b>\$1,000,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$0</b> |

## Project 210 - Details for Budget Year 2016

**Title** Commercial Water Meter Replacement  
**Manager** Ian Broome 729-2292 **Department** OPERATIONS UTILITIES

**Description** This project is for the replacement of automated water meters.

**Comments** The City of Brandon originally implemented a Water Meter Change-Out and Automatic Meter Reading System in 2002. At that time approximately 12,000 accounts were converted to the new system.

### Budget Version Details

**Budget Year** 2016 **Version** 2016 Proposed

**Status** Council Review

**Description**

**Comments**

#### Expenses

| Account | Description           | 2016       | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023       | 2024               | 2025       |
|---------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|------------|
| 0410    | Water Meters          | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$3,255,000        | \$0        |
|         | <b>Total Expenses</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,255,000</b> | <b>\$0</b> |

#### Revenues

| Account | Description                | 2016       | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023       | 2024               | 2025       |
|---------|----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|------------|
| 55      | Water Distribution Reserve | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$3,255,000        | \$0        |
|         | <b>Total Revenues</b>      | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,255,000</b> | <b>\$0</b> |

## Project 1041 - Details for Budget Year 2016

**Manager** Ian Broome 729-2292  
**Title** Utility Equipment replacement  
**Department** OPERATIONS UTILITIES

**Description** This project is for the purchase and replacement of equipment for the Utilities section.

**Comments** The Utilities section uses various pieces of equipment to support the day to day operations. Some of these pieces include, sewer cameras, safety trench cages, gas monitors, hydrant pressure recorders, a hydraulic chainsaw, storage shed for materials and a truck mounted valve operator.

### Budget Version Details

**Budget Year** 2016 **Version** 2016 Proposed

**Status** Council Review

**Description** Three additional pumps are being requested to aid in large rain events, previously pumps have been rented. A cable and new steel wheels for the camera is due for replacement in order to continue televising sewer systems throughout the City. Other items included are fire hose, gas jackhammer, gas monitors, steel racking for shed and leak detection equipment.

### Expenses

| Account | Description                                  | 2016             | 2017            | 2018             | 2019       | 2020            | 2021       | 2022       | 2023            | 2024       | 2025       |
|---------|--|------------------|-----------------|------------------|------------|-----------------|------------|------------|-----------------|------------|------------|
| 0019    | Detailed Design - Equipment Storage Building | \$50,000         | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | 6" pumps (3)                                 | \$165,000        | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Cable for camera                             | \$5,000          | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Equipment Storage Bldg                       | \$0              | \$0             | \$500,000        | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Fire hose for temp. water service            | \$7,500          | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Gas jackhammer                               | \$7,500          | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Gas monitors (4)                             | \$6,200          | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Leak Detection Equipment                     | \$40,000         | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Meter reading laptop                         | \$0              | \$20,000        | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Safety Trench Cage and Trailer               | \$0              | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$50,000        | \$0        | \$0        |
| 0410    | Small Camera                                 | \$0              | \$0             | \$0              | \$0        | \$25,000        | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Steel Racking for storage shed               | \$10,000         | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 0410    | Steel Wheel kits for Large TV camera         | \$9,000          | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
|         | <b>Total Expenses</b>                        | <b>\$300,200</b> | <b>\$20,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$25,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$50,000</b> | <b>\$0</b> | <b>\$0</b> |

### Revenues

| Account | Description                | 2016             | 2017            | 2018             | 2019       | 2020            | 2021       | 2022       | 2023            | 2024       | 2025       |
|---------|----------------------------|------------------|-----------------|------------------|------------|-----------------|------------|------------|-----------------|------------|------------|
| 22.3947 | Wastewater Rates           | \$0              | \$0             | \$0              | \$0        | \$25,000        | \$0        | \$0        | \$0             | \$0        | \$0        |
| 54      | Wastewater Reserve         | \$11,200         | \$0             | \$0              | \$0        | \$0             | \$0        | \$0        | \$0             | \$0        | \$0        |
| 55      | Water Distribution Reserve | \$289,000        | \$20,000        | \$500,000        | \$0        | \$0             | \$0        | \$0        | \$50,000        | \$0        | \$0        |
|         | <b>Total Revenues</b>      | <b>\$300,200</b> | <b>\$20,000</b> | <b>\$500,000</b> | <b>\$0</b> | <b>\$25,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$50,000</b> | <b>\$0</b> | <b>\$0</b> |



## Project 1106 - Details for Budget Year 2016

**Manager** Patrick Pulak 729-2477      **Title** Wastewater Collection Model  
**Department** ENGINEERING UTILITIES

**Description** This project is for the establishment of a comprehensive model of the wastewater collection system.

**Comments** Brandon has experienced an enormous rate of growth, resulting in significant pressure on the provision of utility services. Without sufficient services, this rate of growth will not be sustainable. In order to be proactive, it is necessary to understand the sewer collection system from a capacity point of view. Many studies have examined areas of Brandon but never the system as a whole. Once the City as a whole is modeled, it will be maintained on an annual basis with significant upgrades every 5 years.

### Budget Version Details

**Budget Year** 2016      **Version** 2016 Proposed

**Status** Council Review

**Description** In 2015 a comprehensive sewer model for the City of Brandon was established. It will be necessary every year after to maintain and recalibrate the model to the changes resulting from developments in the previous year.

**Comments**

### Expenses

| Account | Description              | 2016       | 2017             | 2018       | 2019       | 2020       | 2021             | 2022       | 2023       | 2024       | 2025       |
|---------|--------------------------|------------|------------------|------------|------------|------------|------------------|------------|------------|------------|------------|
| 0019    | Reassessment of WW Model | \$0        | \$150,000        | \$0        | \$0        | \$0        | \$150,000        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Expenses</b>    | <b>\$0</b> | <b>\$150,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$150,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

### Revenues

| Account | Description           | 2016       | 2017             | 2018       | 2019       | 2020       | 2021             | 2022       | 2023       | 2024       | 2025       |
|---------|-----------------------|------------|------------------|------------|------------|------------|------------------|------------|------------|------------|------------|
| 54      | Wastewater Reserve    | \$0        | \$150,000        | \$0        | \$0        | \$0        | \$150,000        | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Revenues</b> | <b>\$0</b> | <b>\$150,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$150,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

## Project 1112 - Details for Budget Year 2016

**Manager** Patrick Pulak 729-2477     
 **Title** Water Distribution Model  
**Department** ENGINEERING UTILITIES

**Description** This project is for the establishment of a comprehensive model of the water distribution system.

**Comments** Brandon has experienced an enormous rate of growth, resulting in significant pressure on the provision of utility services. Without sufficient services, this rate of growth will not be sustainable. In order to be proactive, it is necessary to understand the water distribution system from a capacity point of view. Many studies have examined areas of Brandon but never the system as a whole on a detailed level. Once the City as a whole is modeled, it will be maintained on an annual basis with significant upgrades every 5 years.

### Budget Version Details

**Budget Year** 2016      **Version** 2016 Proposed

**Status** Council Review

**Description**

**Comments**

#### Expenses

| Account | Description                          | 2016             | 2017            | 2018            | 2019            | 2020            | 2021 | 2022       | 2023       | 2024       | 2025       |
|---------|--------------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|------|------------|------------|------------|------------|
| 0019    | Water Distribution Model Development | \$150,000        | \$15,000        | \$15,000        | \$15,000        | \$15,000        |      | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Expenses</b>                | <b>\$150,000</b> | <b>\$15,000</b> | <b>\$15,000</b> | <b>\$15,000</b> | <b>\$15,000</b> |      | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

#### Revenues

| Account | Description                | 2016             | 2017            | 2018            | 2019            | 2020            | 2021 | 2022       | 2023       | 2024       | 2025       |
|---------|----------------------------|------------------|-----------------|-----------------|-----------------|-----------------|------|------------|------------|------------|------------|
| 54      | Water Distribution Reserve | \$150,000        | \$15,000        | \$15,000        | \$15,000        | \$15,000        |      | \$0        | \$0        | \$0        | \$0        |
|         | <b>Total Revenues</b>      | <b>\$150,000</b> | <b>\$15,000</b> | <b>\$15,000</b> | <b>\$15,000</b> | <b>\$15,000</b> |      | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |