

CAPITAL BUDGET

2016-17

MUNICIPALITY OF THE DISTRICT OF CHESTER

Municipal Council – April 28, 2016

v.3



Capital Budget Summary



Total Capital Budget	\$8,173,025
<u>Fund By:</u>	
Borrowing:	\$4,598,500 (Solid Waste and Sewer)
Operating Reserve:	\$375,000
Gas Tax:	\$538,200
Wind Reserve	\$850,000
Parkland Reserve:	\$25,000
Equipment Reserve	\$60,000
Sewer Reserve	\$185,00
Grants	\$1,102,850
<i>Operating Budget</i>	<i>\$264,125</i>
Area Rate	\$174,350 (Solid Waste and Sewer)

RECREATION AND PARKS



2016-17 Capital Projects

Trail Surface Upgrades (AT6.20)

\$78,000

Category 1



External Funding \$78,000 Start :June 2016

Net Costs \$0 (\$68K Gas Tax; \$10 K OHV)

Multi Year Project : Future Years TBD

Procurement Method: Heavy Equipment Contract

Description

Upgrades to 6km trail (surface upgrades, ditch cleanout, grading, topcoat material, six inches of crusher dust rolled and compacted) on the Chester Connection Trail between Marriots Cove and Chester

Rationale

Ensures safe and efficient use of trail ; Part of Rum Runners Trail- ensures consistent conditions from Halifax to Lunenburg

Trails- Bridge Evaluations

\$25,000

Category 1



External Funding : 0

Start : May 2016

Net Costs : \$25,000

Multi Year Project- Costs TBD

Funded from Parkland Reserve \$25,000

Procurement Method: Engineering Contract

Description

Inspection of 3 Trail Bridges (Little East River Bridge; Goat Lake and Barkhouse Bridge) as per the Letter of Authority (LOA) issued to MODC

Rationale

Requirement of LOA to inspect every five years. There are 12 bridges and to date four bridges have been inspected. Three are proposed for 2016-17 and five will remain to be inspected

Trails – Swing Gate

\$19,000

Category 1



External Funding :\$19,000 (OHV) Start: July 6

Net Costs \$0 (\$14K gas tax; \$5K OHV)

Procurement Method: Tender (LVP)

Description

Change from a Bollard System to a Swing Gate to control trail access. Approximately 30 gates to be installed

Rationale

Area behind bollards is getting dug up through use very quickly, leaving the base of the bollards exposed and thus prohibiting access by emergency and maintenance vehicles .Swing Gates is the Best Practice by Trail Groups to ensure access

New Ross Trail Connector (AT 6.1)

\$15,000

Category 1



External Funding \$ 15,000 Start: May 2016

Net Costs \$0

\$7,800(grant carry-over): \$7,200 (Gas Tax)

Procurement Method: Engineering Services Contract /
Heavy Equipment Contract

Description (Design / Construction)

Construction of a 50 m trail to link New Ross Trail to
Lions Trail Farm;

Rationale

Provides connectivity of trail system

ADMINISTRATION

2016-17 Capital Projects



Chester Wind Project

\$550,000

Category 1



External Funding : TBD (based upon partners)

Net Costs: TBD- Full costs is \$550,000 (funded from Wind Reserve)

Phase 1 of 3: Future Phases total \$11.5 M (MODC's share)

Start: April 2016

Procurement Method: Awarded Contract with Minas; External Contracts (Tender)

Description (Project Planning / Development)

Inter-Municipal Partnership for planning of A Wind Generation Project. Includes site assessment; Grid Inter-Connection Application; Establishment of Partnership; Identification of Customer for Power Purchase Agreement; Turbine Supply Agreement

Rationale

Opportunity for MODC and other municipal units to generate non-tax revenue.

E- Council Equipment Upgrades

\$6,000

Category 1



External Funding: \$0

Start: Sept 2016

Net Costs \$6,000

Procurement Method: LVP (Quotes)

Description

Replacement of iPads for Council Positions.

Rationale

Existing iPads are four years old; to be replaced with Council term .

KAIZER MEADOW



2016-17 Capital Projects

Bulldozer- Replacement of Tracks

\$30,000

Category 1



External Funding \$0 Start: April 2016

Valley Waste = approx. 87 % of costs

(Funded through Borrowing)

Procurement Method: Alternative Procurement

Description

To replace tracks on existing bulldozer

Rationale

Will extend service life of bulldozer, avoiding replacement by two years

Second Tower Site

\$200,000

Category 1



External Funding \$0

Valley Waste = 87 % of costs (funded through Borrowing)

Operating Budget Impact: \$5,000 annual (electrical and sampling)

Procurement Method: Tender (HVP), Engineering Services Contract

Description

Recommended by SNC Lavalin as a modification to the treatment train; to give a fallow period on site.

Rationale

To rectify concerns with nitrate treatment

Radio Repeater

\$8,500

Category 1



External Funding \$0 Start : May 2016

Valley Waste = 87 % of Costs (funded through Borrowing)

Procurement Method: Quotes (LVP)

Description

Installation of a Radio Repeater

Rationale

Reliable radio communications are required for safe operation of site

Cell 4A

\$3,200,000

Category 1



External Funding: \$0 Start: March 2016 (Pre-Budget Approval Granted)

Valley Waste = 87 % of Costs (funded through Borrowing)

Procurement Method: Design / PM - Engineering Services Contract ; Construction - Tender

Description

Design and construction of cell 4A

Rationale

Accepting increased volumes will necessitate the design and construction of cell 4A. Unable to meet commitment of processing increased volumes without additional landfill space.

Compactor Rebuild

\$635,000

Category 1



External Funding \$0 Start: June 2016

Valley Waste = 87% of costs (funded through Borrowing)

Procurement Method: Alternative Procurement- Sole Source

Description

Refurbish the compactor including a new serial number on the existing frame for less than 1/2 the cost of a new one . It will be considered a new machine with all the new machine warranty. This rebuild changes out all components including engine for new

Rationale

Compactor has exceeded life; new option to refurbish is 1/2 the costs of replacing.

Front End Loader (used)

\$165,000

Category 1



External Funding \$0
Approval Granted

Start: April 2015 (**Pre-Budget**)

Valley Waste = approx. 87 % of costs (funded through Borrowing)

Procurement Method : Standing Offer

Description

Replacement of existing Loader with a used Loader. Existing Loader to remain for site work until long range plans are finalized

Rationale

Existing Loader (2009 930 HCAT) has in excess 7,670 hours on it (5 years), and was slated for replacement in 2015-16 . New Loader is anticipated to be 20% more fuel efficient. Purchase in 2015-16 delayed due to value of Canadian Dollar

Chlorine
Contact
Chamber
\$25,000

Category 1



External Funding \$0 Start: May 2016

Net Costs \$25,000 (fund from area rate)

Procurement Method : Tender (LVP)

Operating Budget Impact:

Description

Reinstate original contact chamber as an emergency contingency for severe and heavy rain events

Rationale

Address increased weather events and reduce pressure on sewer pond berms. The chamber would be used under stressful conditions as a contingency plan to address such problem

Bear Boxes

\$6,000

Category 1



External Funding \$0

Start: May 2016

Net Costs \$6,000 (funded from area rate)

Procurement Method: Quotes

Operating Budget Impact: nil

Description

Bear boxes are used to replace the municipal wooden boxes at sites where the bears have destroyed the wooden boxes .

Rationale

We rent the steel bear boxes from GE`S at a cost of \$55.00 per month. The cost of purchase is \$2000.00 . This is a 36 month pay back

Storage Containers

\$9,000



External Funding \$0 Start: May 2016

Net Costs \$9,000 (funded from area rate)

Procurement Method : (LVP)Quotes

Operating Budget Impact: nil

Description

Steel containers for storage needs

Rationale

There are presently two 53 ft. trailers being used for storage. They are unusable due to mold caused by the insulation and leakage . Steel shipping containers are suitable to meet our need and will not create mold problems .

Eco Park Promotional Material

\$10,000

Category 2



External Funding: \$0

Start: Fall 2016

Net Costs : \$10,000 (Funded from Operating reserve)

Procurement Method: Quote (LVP)

Description

Upon completion of Branding and Marketing Strategy;
Development of promotional material

Rationale

Required to effectively market Kaizer Meadows

COMMUNITY DEVELOPMENT



2016-17 Capital Projects

Fire Services- Equipment

\$10,000

Category 2



External Funding \$0

Start: April 2016

Net Costs \$10,000 (Funded from Operating reserve)

Procurement Method: Quotes (LVP)

Description

Purchase of district training / response equipment to be maintained centrally and used by all fire departments. Specific equipment is recommended by the Fire Chiefs

Rationale

There is a need for training and response equipment

Business / Industrial Park Development

\$300,000

Category 1



External Funding \$0

Start: April 2016

Net Costs \$300,000 (funded from Wind Reserve)

Multi Year Project: Future Cost TBD

Procurement Method: Brokerage Agreement; Engineering Services Contract

Description

Funds for property acquisition and design;

Rationale

Funds will enable MODC to act on recommendations of Business /Industrial Park Feasibility analysis with land acquisition / development.

Parking Study Chester Village

\$35,000

Category 2



External Funding \$0 Start: April 2015

Procurement Method: Tender (LVP)

Description

Scope to be defined

Rationale

Concern over lack of parking and resulting traffic congestion in the Village Core

Flood Risk Mapping (Lidar)

\$130,000

Category 2



External Funding \$130,000 (Gas Tax) Start: April 2016

Net Costs \$0 (Pre-Budget Approval Granted)

Procurement Method: Alternative Procurement (partnership)

Description

Acquire Lidar data for entire Municipality in partnership with adj municipality and Province.(Previous estimates were \$100K for 2015-16) This will include data collection, processing and analysis.

Rationale

Construction of flood risk maps to support planning initiatives to protect communities and areas that are vulnerable to coastal and inland flooding from climate change and storm surges

Accurate data to identify areas at risk and support decision making

INFORMATION SERVICES



2016-17 Capital Projects

Transfer to Equipment Reserves

\$12,500

Category 1



External Funding N/A

Multi Year Reserve Transfer

Description

Transfer funds (\$12,500) into reserve for future server replacement costs (every 4 years)

Rationale

Industry Best Practice; Lessens Borrowing requirements and impact on future rates

Hardware Upgrades

\$10,000

Category 1



External Funding \$0

Start: n/a

Net Costs: \$10,000

Procurement Method: RFQ (LVP)

Description

IT Infrastructure such as network switches, fire walls, UPS, racks etc.

Rationale

Ongoing / Required IT maintenance

VMware Infrastructure \$60,000

Category 1



External Funding \$0 Start: June 2016

Net Costs \$60,000 (Funded from Equip Reserve)

Procurement Method: HVP- Alternative Procurement:
Compatibility.

Operating Budget Impact : \$2000 per year

Description

VMWare infrastructure provides the server foundation for 90% of servers and electronic services provided by the Information Services Department

Rationale

Server equipment is required to be refreshed on a 48 month cycle. We are at the end of that cycle in June 2016.

Audio System Upgrades- Council Chambers

\$15,000

Category 2



External funding \$0 Start: Sept 2016

Net Costs \$15,000 (From Operating Reserve)

Procurement method: Tender (LVP)

Description

Upgrade audio system in council chambers

Rationale

Current audio and microphone system is inadequate for large meetings. This only includes upgrading amplifier, microphones and speakers.

Desk Top /Lap Top Replacement \$86,600



External Funding \$0

Start: October 2016

Net Costs \$86,000 (funded from reserve)

Procurement Method (HVP- Tender)

Description

Expiration of Lease for Desk Top /Lap Tops. Purchase of equipment as opposed to renewing lease.

Rationale

Enables MODC to own equipment and have control over replacement terms; periods, etc.

PUBLIC WORKS



2016-17 Capital Projects

Collection System(s) cleaning & Videoing

\$22,500

Category 1



External Funding \$11,250 (PCAP – Pending)

Net Costs: \$11,250

Multi-Year: Ph. 5 of 5. Procurement: Tender LVP)

Description (Inspection)

Part of Infiltration and Inflow reduction program. Collection System cleaned and then videoed through CCTV. Enables identification of deficiencies and the development of “master plan” for repairs. Areas to be done, Chester (Water St, Pig Loop, Nauss Pt Rod, Millennium, Shoreham); Western Shore (side roads, south of Hwy 3- between 6447 and 6551); Mill Cove-Outfall

Rationale

Improves wastewater treatment; reduces costs of transmittance and treatment of wastewater; reduces overflows ; enables master plan to be developed

Manhole Repairs & Infiltration Reduction \$70,000 (Phase 5 of 5)

Category 1



External Funding \$ 35,0000 (PCAP Application Pending)

Net Costs : \$35,000 Start: May 2016

Procurement Method: Sewer Repair Contract, (LVP)-
Tender

Description (Construction)

Manhole Inspection, Repair, Raised to Surface :Western Shore (23), Chester (40) and Mill Cove (5) . Contracting out Heavy Equipment and Traffic Control; In-house labour.

Rationale

Addresses Inflow and Infiltration; Improves waste water treatment efficiency; reduces overflows; reduces cost of transmittance and wastewater; best practice

WWT- Pump Replacements

\$25,000

Category 1



External Funding \$0 Start: Unknown

Net Costs \$25,000 (Funded from Borrowing)

Multi-Year : Ongoing

Procurement Method: Alternative Procurement

Description (Maintenance)

Allowance to replace a limited amount of pumps associated with collection and treatment

Rationale

Enables purchase of pumps in the event of breakdown (where cost of repair is too high)

Chester (V)- WWTP Property Improvements

\$20,000

Category 1



External Funding \$0 Start: June 2015

Net Costs \$20,000 (Funded from Area Rate)

Procurement Method: Tender (LVP)

Description (Construction)

Installation of aluminum railings around two (2) clarifiers and one (1) aerobic digester, as well as make repairs to steel gangways/bridges, paint buildings and concrete structures

Rationale

Improve site safety, responds to safety inspection deficiencies and improves condition of property and structures

Chester WWTP Improvements

\$25,000

Category 1



External Funding \$0 Start : June 2016

Net Costs \$25,000 (Funded from Area Rate)

Multi – Phases: Future Phases and Costs TBD

Procurement Method: Engineering Services Contract

Description (Design)

Continue with design as recommended in 2014 assessment: a requirement anticipated with the 2016 operating approval (SCADA, headworks, aeration, pH control, disinfection, and sludge handling)

Rationale

To enable handling of increased frequency and severity of storms; improve efficiency of treatment process, operator controls and site safety

New Ross Sewer Pump Station Improvements

\$50,000

Category 1



External Funding \$50,000 (PCAP- received)

Start: June 2016

Net Costs \$0

Multi-Year Project, Future Phase = \$150,000

Operating Budget Impact: Savings in data collection/ remote control

Procurement Method : (HVP)- Tender

Description (Assessment / Design/Construction

Assessment of current lift station layouts and panels; complete design for pumps, rails, wiring, floats, transducer, cover, access, flow monitoring, valve chamber and bleeder valves; overflow protection/metering, back up power and SCADA.

Rationale

Increase capability of dealing with increased frequency and severity of storms; improve efficiency of transmittance processes, operator controls and site safety

Mill Cove WWTP – Replacement

\$1,455,000 (Ph. 2
of 2)

Category 1



External Funding \$970K - TBD; Start: June 2016

Net Costs \$485,000 (Funded from Borrowing \$335K;
Reserves\$150K)

Ph. 2 of 2 Phases.

Procurement Method: Engineering Services Contract ;
Construction (HVP- Tender)

Description (Construction)

New WWTP , incorporating Advantex Treatment system,
using existing outfall, with capacity to treat existing
customers, plus properties fronting system

Rationale

Existing system is 50 years old, in poor condition and at risk of
failure; Comprehensive review in 2013 recommended
replacement

Otter Point WWTP & Collection System Improvements

\$20,000

Category 1



External Funding \$0

Start: June 2016

Net Costs \$20,000 (Funded from Sewer reserve)

Multi Year Project: Future Costs TBD

Impact to Operating Budget: n/a

Procurement Method: Engineering Services Contract

Description: (Design)

Design a second parallel system, or equivalent, along with disinfection upgrades and outfall repairs.

Rationale

2014 Assessment concluded that the existing system is not built with the capacity to handle the entire development; deficiencies impact ability of WWTP to meeting operational approval.

OTTER POINT Pump Station

\$30,000

Category 3



External Funding \$0

Start: Sept 2016

Net Costs \$30,000 (Funded from sewer reserve and A/R)

Phase 2 of 2

Operating Budget Impact : Estimated \$2,000 in Annual Savings

Procurement Method: Tender (LVP), Engineering Contract

Description (Construction)

Utilizing as much of the original components as possible- relocate lift station out of the travelled way, and connect to existing station as a overflow storage

Rationale

Lift station is currently in the travelled way and is negatively impacted by road maintenance and runoff; location complicates maintenance due to required safety measures (traffic control);

Municipal Bldg. Repairs

\$141,000

Category 1



External Funding : \$0

Start Date: June 2016

Net Costs \$141,000 (Operating reserve \$91,000)

Procurement Method: Tender (LVP)

Description (Construction)

Misc. interior /exterior repairs; committee room update;
Annex Bldg. Renovation

Rationale

Option to address need for additional office/storage
space; Ability to address needed maintenance / repair

Council Chambers – Chairs

\$6,000



- External Funding \$0 Start: May 2016
- Net Costs \$6,000 (funded from reserve)
- Procurement Method (LVP- Quotes)

Description

Replacement of Chairs in Council Chambers

Rationale

Some Council Table Chairs have broken (hydraulics / controls); Replacement will ensure uniformity. Existing Chairs in fair condition will be moved to Committee Room

Truck Replacement

\$37,500

Category 1



External Funding \$0

Start: July 2016

Net Costs: \$37,500

Procurement Method: (HVP- Tender)

Description

Replace 2008 Chevrolet Sierra (4x4) which currently has 260,000 km, with a ¾ ton 4x4

Rationale

Truck replacement due to age/km; ¾ ton is better suited to operational requirements for property maintenance

Dump Trailer

\$10,000

Category 2



External Funding: Surplus Equip. (estimated at \$7,500)

Start: June 2016

Net Costs: Estimated at \$2,500 (Funded from Reserve; will offset with proceeds from sale of surplus equipment)

Procurement Method: (LVP- Quotation)

Description

Purchase a dump trailer to assist with property and sewer maintenance.

Rationale

Currently, the Eng'r & Public Works Dept. has two (2) trailers, one is dedicated to the trench box, and the other trailer is used for the transport of property maintenance equipment. Neither trailer suits the tasks of garbage collection, property and sewer maintenance.

Wild Rose Park Drainage

\$25,000

Category 2



External Funding: \$0

Start Date

Net Costs \$25,000

Procurement Method : Heavy Equipment Contract

Description

Remove the municipal portion of the cross culvert and reconstruct the retaining wall and install a small spanning bridge

Rationale

One of the drainage culvert outlets is buried within the beach area, causing water to back up at the culvert inlet. The property floods resulting in damage to adjacent properties

Mill Cove Fire Protection System

\$150,000

Category 1



External Funding \$0 Start Date: June 2016

Net Costs \$150,000 (Operating Reserve \$100,000; Area Rate \$10,000)

Year 2 of 5; Future costs TBD

Procurement Method: Engineering Services Contract

Description (Design / Installation)

Design of recommended option from 2015 evaluation; Install a new fire pump

Rationale

Requirement of NSUARB as part of Decommissioning of Water Utility, provided capital costs are not significant. Assessment is required to determine options and costs. Funds will allow for design if deemed appropriate; Dept. of Labour Inspection has resulted in a directive to replace Fire Pump due to condition .

Chester Basin Retaining Wall

\$43,200

Category 2



External Funding \$21,600 Start Sept 2016

Net Costs \$21,600

Procurement Method: Tender (LVP)

Description (Construction)

Replace current retaining wall which is in poor condition and near collapse; Replace with sea wall blocks or granite boulders, complete with drainage

Rationale

Wall was originally constructed in the 1980's as part of a beautification program. MODC does not own the wall, but was involved in the installation

Mill Cove – Foxwood Road Rehabilitation

\$303,000

Category 2



External Funding : \$303,000 (Gas Tax); Start: June 2016

Net Costs \$0

Phase 1 of 2. Future Phase 2 estimated at \$300,000

Operating Budget Impact: Estimated \$5,000 savings

Procurement Method: Tender (HVP- Tender)

Description (Construction)

Construction new storm water system, curb and resurface 1/2 of Foxwood Drive.

Rationale

Foxwood Drive is in the worst condition of all municipal roads.

Chester Sidewalk Completion of 2015/16 work

\$16,000



External Funding \$16,000 (Gas Tax) Start May 2016

Net Costs \$0

Procurement Method: Tender (HVP), already Tendered

Description (Construction)

There were a few items (i.e. top lift of asphalt, CCTV of storm sewer, centerline painting etc.) that were not able to be completed before winter.

Rationale

Complete the project which was started in October 2015.

Chester Basin Wharf

\$65,125

Category 1



External Funding \$0
Approval Granted

Start Date: March 2016 (**Pre-Budget**)

Net Costs \$65,123 (\$17,000 carried over from 2015-16)

Procurement Method : LVP- Quotes

Description (Construction)

Complete repair (timber removal and replacement) of the south and west sides of wharf; Construct a restricted travel lane down the centre of the wharf

Rationale

Work is based upon the results of a Structural Assessment. Repairs will extend the wharf life another 3-5 years. Wharf is used for Fishing Activity.

Wild Rose Park LED Lighting Conversion

\$18,100

Category 2



External Funding: \$0

Start Date: June 2016

Net Costs \$18,100 (Funded from Area Rate)

Impact on Operating Budget: TBD- potential

Procurement Method: LVP- Quotes

Description

Convert existing lighting to LED within Park (Approximately 30 lights)

Rationale

Improves energy efficiency and lighting of sidewalk