



## Capital Budget Request - CONSTRUCTION

Project Name	Saunderson Pressure Reducing Valve PRV - Construction			\$	32,000,000
Order Code	601487	Project Location	Fort McMurray		
Project Category	Environmental	Ward	1 - Fort McMurray		
Type of Project	Lifecycle - Construction	Municipal Function	41 - Water Sup & Distribution		

## Project Description and Scope

As part of the overall vision of the current Water Master Plan, the water supply system for the Downtown is being optimized, while improving the flow to communities south of the Urban Service Area which includes Anzac, Gregoire Lake Estates, Sapræ Creek and the Airport. The aim of this project is to optimize the operation of the Downtown water system by utilizing existing infrastructure as much as possible. This project will result in a more efficient operation and reduction in maintenance cost to the water systems in the Downtown area.

The construction of a Pressure Reducing Station located on Saunderson Avenue will replace the existing 3-way chamber that is currently at its end of useful life (circa 1970's), and requires substantial maintenance to remain online. The ability to adjust water flow directions is critical to all water flow throughout the Downtown. The construction of the new watermain along MacDonald Avenue/Biggs Avenue will connect the existing high pressure water main from the Water Treatment Plant located at Richard Street and MacDonald Avenue to the new Pressure Reducing Station that will be constructed on Saunderson Avenue. This connection will support the operational optimization of the Downtown water systems. This project will also eliminate the existing PRV station located at the southern end of Main Street which has also reached its end-of-useful life.

## Project Cash Flows

Year	Total Annual Cost	Federal Grant	Provincial Grant	Reserve	Other	Debenture
2021 & Prior	3,000,000					-
2022	5,000,000					-
2023	16,000,000					-
2024	8,000,000					-
2025	-					-
2026	-					-
2027	-					-
Thereafter	-					-
Total Budget	32,000,000	-	-	-	-	-

## Additional Funding Details

## Business Case created by

## Project Sponsor Branch

Water Treatment

## Project Sponsor Department

Environmental Services

## Project Delivery Branch

Engineering

## Project Delivery Department

Engineering