

# Core Area Wastewater Treatment Project Board



Monthly Progress Report: January 2020  
March 5, 2020



























# Safety Moment



## Hand Safety in the Workplace



# Key Performance Indicators

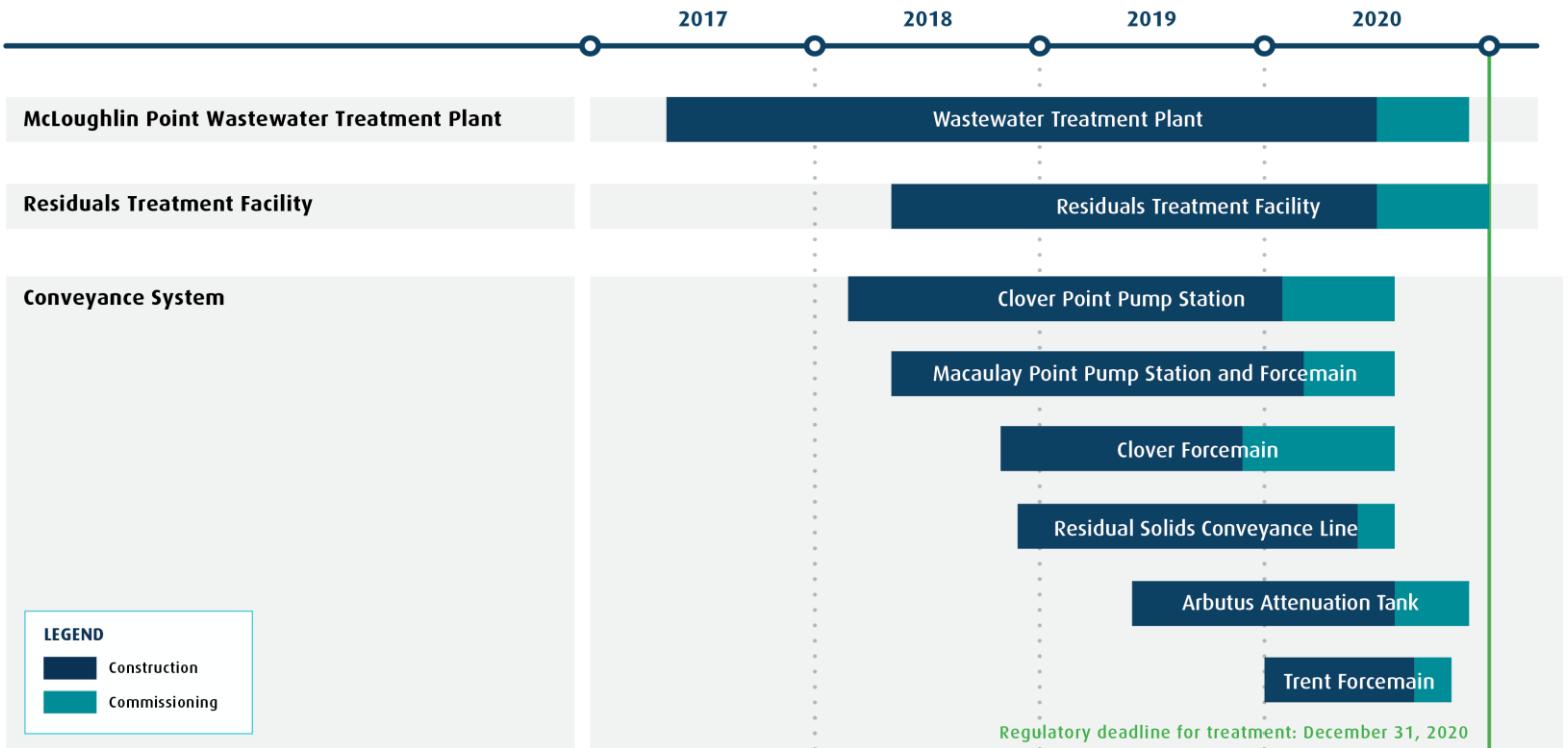
Key Performance Indicators		Project Overall	WWTP	RTF	Conveyance System
Safety	Deliver the Project safely with zero fatalities and a total recordable incident frequency (TRIF) of no more than 1*.				
Environment	Protect the environment by meeting all legislated environmental requirements and optimizing opportunities for resource recovery and greenhouse gas reduction.				
Regulatory Requirements	Deliver the Project such that the Core Area complies with provincial and federal wastewater regulations.				
Stakeholders	Continue to build and maintain positive relationships with First Nations, local governments, communities, and other stakeholders.				
Schedule	Deliver the Project by December 31, 2020.				
Cost	Deliver the Project within the Control Budget (\$765 million).				

*Safety is our top priority: all KPIs are central to decision-making process*

# Project Schedule

## Wastewater Treatment Project Schedule\*

Construction + Commissioning



\*Schedule subject to updates as Project planning progresses.

*On Schedule to meet Federal and Provincial Obligations*





## WTP Safety Information: January

- 1 580 667 hours worked
- Total Number of Employees: 553
- Recordable incident: 0
- Lost time: 0

17 incidents were reported during this period

*Almost 1.6 million hours worked on the project*

# Cost Management and Forecast

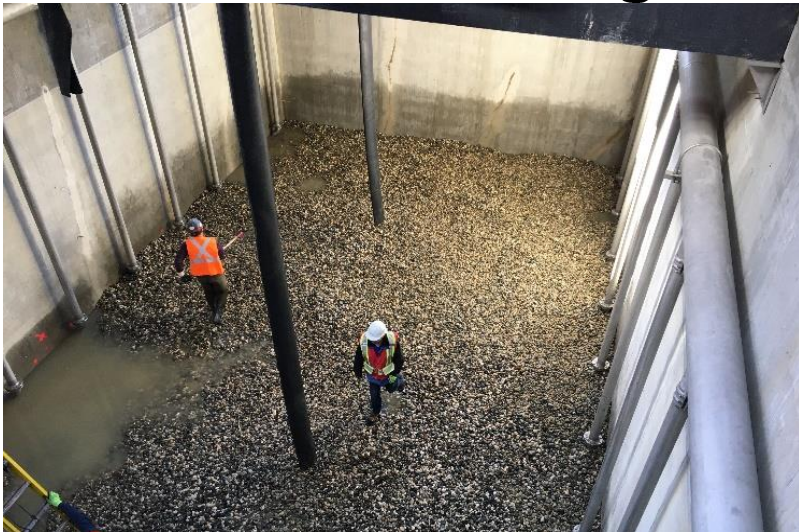
- Control Budget - \$775M
- Expended to Date -478.9M (62%)
- Expended in January 2019- \$11.6M

Funding Source	Maximum Contribution	Funding Received in the Reporting Period	Funding Received to Date
Government of Canada (Building Canada Fund)	\$120M	\$5.9M	\$98.0M
Government of Canada (Green Infrastructure Fund)	\$50M		\$35.9M
Government of Canada (P3 Canada Fund)	\$41M	-	-
Government of British Columbia	\$248M	-	\$62.0M-
Federation of Canadian Municipalities	\$346K	-	-
<b>TOTAL</b>	<b>\$459.3M</b>	<b>\$5.9M</b>	<b>\$195.9M</b>





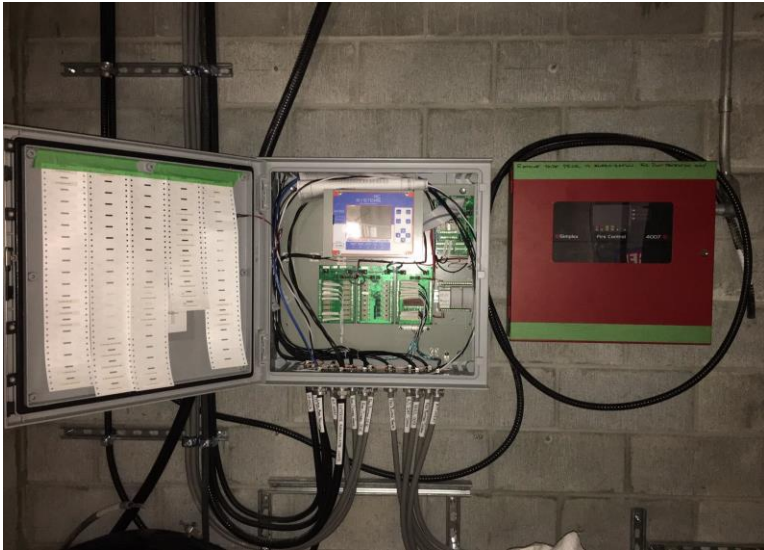
## McLoughlin Point WWTP



*Views of Primary and Secondary treatment areas from North Tower crane, installation of BAF Cell Granular Material and paving of Peter Street.*



# Clover Point Pump Station



*Curved retaining wall poured, Odour Control and Screen room, Motor control center, and Programmable logic control start up, and gas detection panel terminations*



# Macaulay Point Pump Station and Forcemain



*Installation of coupling on 900mm trunk sewer, vapour barrier and supports for building cladding*

# Residuals Treatment Facility



*Product load-out structure erected, propane storage tank erected, installation of boilers, and odour control equipment delivered*



## Clover Forcemain



*Paving from Government Street to Douglas Street; and Montreal Street Curb extension*



## Residual Solids Conveyance Line



*Installation of 45 degree bend, installation of valve assembly, and excavation of sidewalk for pipe installation*



# Balance of Works



Arbutus Attenuation Tank



Pump Stations and Bridge Crossings



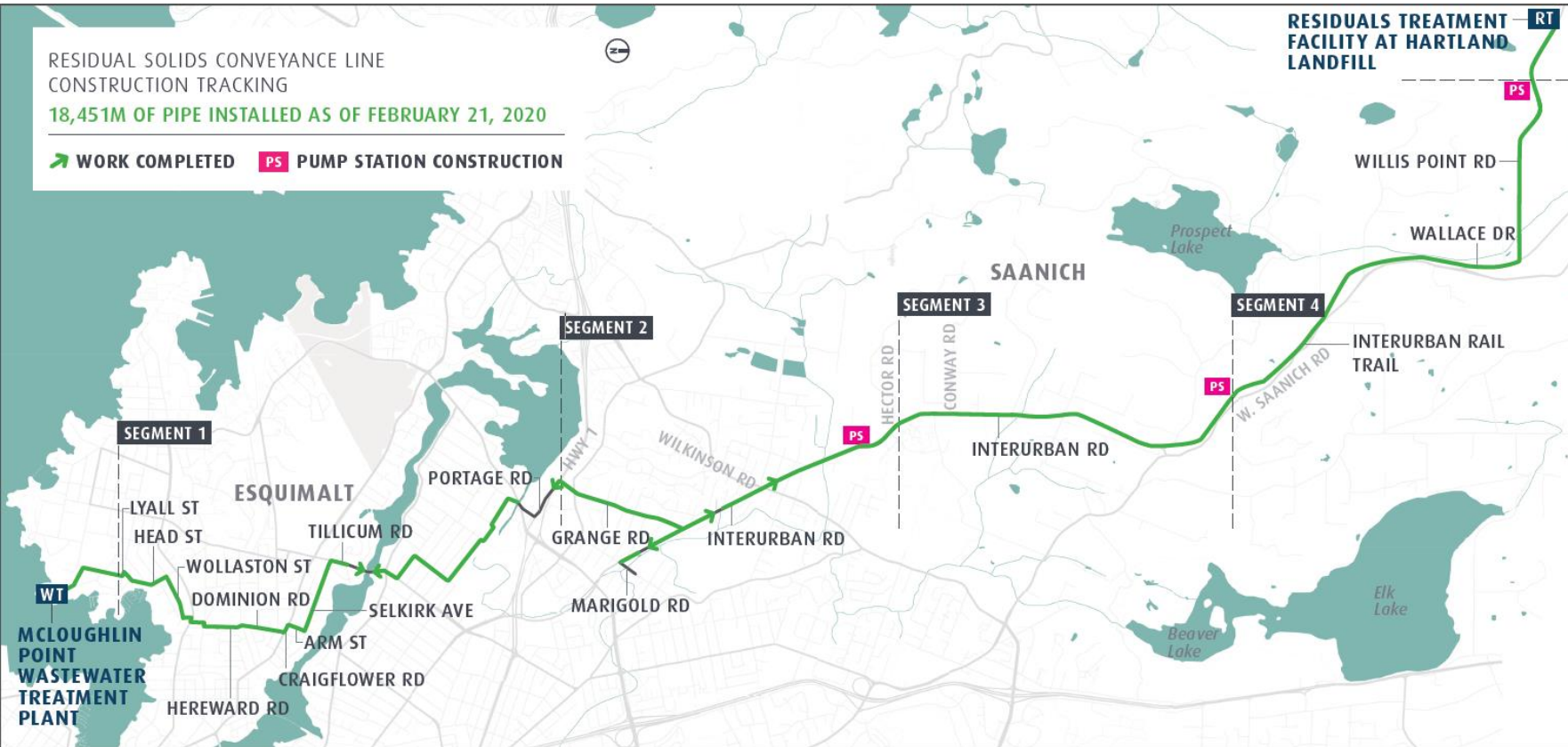
*Installation of strut saddles and two drilling rigs at Arbutus; rebar installation for valve chamber slab, and chamber piping assembly.*

# Communications

RESIDUAL SOLIDS CONVEYANCE LINE  
CONSTRUCTION TRACKING

18,451M OF PIPE INSTALLED AS OF FEBRUARY 21, 2020

 WORK COMPLETED  PUMP STATION CONSTRUCTION



*One information bulletin was issued to stakeholders in the reporting period*