

2020-242 Attachment-7 Water Supply Master Plan progress summary

Water Supply Master Plan

Q4, 2019 – Q2, 2021; 45% complete

Recent progress/achievements to date

The project scope of work has been revised to address increased population and employment forecasts to 2051 (previous study term ending in 2041) recently provided by the Province's revised Growth Plan Proposal. A change order proposal was approved to consider the impacts on groundwater supply sustainability of increased demand to 2051, which will impact Demand Forecasts and Water Supply Alternatives. The change order is underway and will use a groundwater computer modelling approach to determine if sufficient water supply is available to meet the increased demands without significant impacts on surface water resources (i.e., a groundwater sustainability assessment).

Status by project task is itemized below for reference:

- Task 1 - Phase 1 Consultation Report has been completed.
- Task 2 – Population and Water Supply Demand Forecasts has been completed in draft using the population and employment forecasts to 2051.
- Task 3 – Water Supply Capacity Assessment is substantially complete subject to the sustainability assessment.
- Task 4 – Water Supply alternatives is in progress.

It is to be noted that receipt of revised Provincial growth targets, mid-project, has resulted in schedule delays and has caused the need to revise some of the tasks that were already completed.

Next steps

- Task 1 – Community Engagement/Consultation:
 - Public Meeting #2, Agency Meeting #2, Community Liaison Group (CLG) Meeting #2 – Feb/21
 - Public Information Centre Meeting newsletter/web postings – Mar/21
 - CLG Meeting #3 – Apr/21
- Task 2 – Population Water Supply Demand Forecasts
 - Complete in draft with 2051 forecasts
- Task 3 – Water Supply Capacity
 - Complete - subject to updates from P2G Sustainability Assessment
- P2G Sustainability Assessment (new task from recent change order)
 - Model baseline scenarios, model optimization, model capacity/impacts/optimization to 2051 – mid Dec/20

- Draft Technical memo – due Jan/21
- Task 4 – Water Supply Alternatives
 - Task 4A – Demand Management/Conservation and Efficiency – mid Dec/20
 - Task 4B – Groundwater Sources Inside/Outside City – Feb/21 (subject to P2G Sustainability Assessment)
 - Task 4C – Local Surface Water Alternatives – Feb/21 (subject to P2G Sustainability Assessment)
- Task 5 – Water Supply Master Plan Update Report (subject to P2G Sustainability Assessment)
 - Draft Report (internal review) – Mar/21
 - Draft Final Report – May/21
 - Council Report – tentative Jun/21