

TOWN OF LUNENBURG

RFP TOL20242026

Stormwater Separation Master Plan

ADDENDUM #1 – October 8th, 2024

In section 2.1 the RFP says that "This master plan includes... storm sewer collection system modelling", referring to work completed in 2023.

Section 2.2 includes as an objective to "provide the town with computer models of the Town's complete stormwater system...", and section 2.3 says that GIS information for underground infrastructure and the sanitary/storm system masterplan will be provided, with no reference to providing models.

Q1: Is it correct that there is no additional work to be completed to validate, assess or otherwise collect GIS or condition data for any underground infrastructure.

A: Validation and assessment may be required.

Q2: Were the 2023 hydraulic models for stormwater for underground systems only (combined & storm sewers, but not ditches and culverts)?

A: Yes, that is correct.

Q3: Does the Town have access to the hydraulic models from the 2023 master plan study; that is, can the Town provide these to a successful proponent?

A: The existing GIS models will be provided to the successful proponent. The current model is a SWMM5 model produced in PCSWMM.

Q4: The requirement of item 4 under section 2.4 is unclear. Licensing of common software (e.g., SewerGEMS, PCSWMM, etc.) is typically purchased on an annual basis. Does "providing the license in the Town's name" refer to a single year's subscription, and is this to be included in the scope of work?

A: Licensing of common software is not to be included in the scope for this project, as the Town does not require its own subscription. The Town does not have internal GIS staff.

Q5: Is the Town's ultimate goal to own and manage these models internally following this project? Should any training on the models be included in the scope?

Yes.

Q6: Would the Town be agreeable to free (no license fees), open-source platforms (e.g., EPA SWMM) for the model? This question is submitted with an understanding that while the functionality is the same (EPA SWMM / EPANet are the engines for many commercial platforms), the interface is less user-friendly compared to platforms with that carry an annual cost but provide better user interfaces, reporting tools and scenario management (e.g. PCSWMM, SewerGEMS)?

A: Yes, we would consider this.

Q7: Is the Town considering low-impact development strategies (for example, through updating development regulations) for low-impact development (LID) source control alongside increasing sewer sizes? Should the scope to forecast year 2100 climate change adjusted flows include developing recommendations to changes to land use regulations that will affect time of concentration and infiltration from LID strategies?

A: Development regulations are not part of the scope of this project.

Q8: What are the Town's expectations with respect to costing and recommended scheduling of activities to be included in the master plan (with respect to work to be undertaken in the next five years, twenty years and long-term (beyond twenty years).

A: All – both short- and long-term activities to ensure the system has adequate capacity.

Q9: How many lift stations are in the combined system that will need hydraulic modelling, and are pump curves, level and flow records available for these stations?

A: The town has seven lift stations in the combined system. Scada records are available for these stations.