



Memo

TO: Mayor and Council

SUBJECT: Wastewater Treatment Plant Upgrades Preliminary Design

DATE: November 12, 2023

FROM: Chief Administrative Officer

The Town engaged the services of WSP Engineering to prepare a Preliminary Design Report and cost estimate for proposed upgrades to The Town of Lake Cowichan's Sewage Treatment Plant. The updated Class D estimate was used as a basis for the grant under the Investing in Canada program.

At this point it is only appropriate to authorize WSP to prepare the preliminary design after which the detailed design tendering and construction supervision/ contract administration services will have to follow. WSP has provided the following budget to commence preliminary work.

Table 1: Summary of Preliminary Design Budget Estimate

Phase	Budget Estimate
Phase 100 – Project Management	\$34,440
Phase 200 – Preliminary Site Studies	\$47,704
Phase 300 – Project Definition	\$86,965
Phase 400 – Preliminary Design	\$249,559
Total Phases 100-400	\$418,667

The planned upgrades include the following:

- Hydraulic connection of Lagoon Cell No. 3 and aeration upgrades
 - New headworks (screening) facility
 - New phosphorus removal and filtration facility
 - Final Effluent Disinfection upgrades
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Recommendation

that the committee recommend that WSP be instructed to complete the project management and preliminary design of the required upgrades to the wastewater treatment plant for the quoted price of \$418,667 plus taxes with the preliminary stage to be completed by June 30th, 2024.



Joseph A. Fernandez