



Portland Water District
From Sebago Lake To Casco Bay

BOARD OF TRUSTEES / AGENDA ITEM SUMMARY

Agenda Item: 1
Date of Meeting: November 8th, 2021
Subject: North Windham Wastewater Treatment Facility Project -
Professional Services Contract and Budget - Amendment
Presented By: Paul Rodriguez, Sr. Project Engineer

RECOMMENDATION

The following proposed language is presented for Board of Trustee approval:

ORDERED, the General Manager is authorized to execute an amendment to the existing professional services contract with Tighe & Bond in the amount of \$257,000 to provide additional engineering services for the North Windham Wastewater Treatment Facility Project; and that the General Manager, and the Treasurer, each acting singly, are authorized to take such steps as may be necessary to accomplish the intent of the vote.

BE IT FURTHER ORDERED, that a total project budget of \$961,000 is hereby amended by increasing the total project budget by \$257,000 establishing a new budget of \$1,218,000; and that the General Manager, and the Treasurer, each acting singly, are authorized to take such steps as may be necessary to accomplish the intent of the vote.

BACKGROUND ANALYSIS

The Town of Windham and the District are currently in the process of completing the preliminary design for the North Windham Wastewater Treatment facilities. This effort included a holistic assessment of allowable groundwater discharge capacity within the Phase 1 area and an exhaustive review of available groundwater discharge technologies configured to maximize capacity.

In the process of vetting out locations for groundwater discharge of the clean effluent it was determined the Manchester School area is very favorable due to the hydrogeology of the site. The Town of Windham and RSU 14 have been working together for the past few years on design and construction of athletic fields on the school property. The Town and the District recognize that the construction of these new fields presents a unique opportunity to team up with RSU 14 and utilize these new fields for groundwater disposal by installing a drip dispersal system beneath the fields. The Town, the District and the School agreed that it makes sense to include design and construction the drip disposal system with the ballfield project. The School and town have started design of the ballfield project and anticipate bidding and constructing next year.

The Tighe & Bond team has established the field investigations necessary to facilitate pre-permitting approval from the DEP. This field work is in progress through the allowances in the existing contract approved December 21, 2020 (Order 20-035). To leverage the opportunity to team with the Town and RSU 14 and maintain desired schedule, it is necessary to advance the hydrogeologic engineering effort beyond preliminary design to facilitate detailed design and permitting. The recommended amendment to the Tighe & Bond contract will address the engineering work needed to analyze the results of the field investigations and complete the modeling and hydrogeologic assessments required to obtain DEP pre-approval for disposal of the treated wastewater. The Town will be considering the proposed amendment to Tighe & Bond's contract in the coming weeks and a response is expected prior to the PWD BOT meeting November 22nd, 2021.

Project #: This project is proposed as an amendment to the 2020 CIP, Project 3241.

FISCAL REVIEW/FUNDING

Preliminary Engineering Phase	Project Budget
Tighe & Bond Current Contract (Order 20-035)	
Base contract	\$650,000
Hydrogeologic Evaluation of Additional Sites	\$70,000
Site evaluations outside of initial focus area	\$70,000
Preliminary design development outside the focus area	\$78,000
Assistance with public outreach	\$8,000
<i>Current Contract - Total</i>	<i>\$876,000</i>
Tighe & Bond Proposed Contract	
Phase 2 hydrogeologic analysis of the Manchester School site, field investigations, mounding analysis, groundwater modeling, DEP coordination and discharge permit application	\$257,000
<i>Proposed Contract - Total</i>	<i>\$257,000</i>
Total Tighe Bond costs	\$1,133,000
PWD Expenses (Order 20-035)	
Staff labor budget	\$85,000
Total Preliminary Design and Pre-Permitting Budget	\$1,218,000

LEGAL REVIEW

Corporate Counsel has reviewed the proposed order as to form.

CONCLUSION(S)

Staff recommends amending the budget and the contract for preliminary design engineering services North Windham Wastewater Treatment Facility Project with Tighe & Bond.