

**City of Oak Harbor  
City Council Agenda Bill**

Bill No. 5.a.i  
Date: August 3, 2016  
Subject: Clean Water Facility Project  
Update

**FROM: Joe Stowell, City Engineer**

**INITIALED AS APPROVED FOR SUBMITTAL TO THE COUNCIL BY:**

- Bob Severns, Mayor
- Doug Merriman, City Administrator
- Patricia Soule, Finance Director
- Nikki Esparza, City Attorney, as to form

**RECOMMENDED ACTION**

Review report update attached on the Clean Water Facility Project.

**BACKGROUND / SUMMARY INFORMATION**

Regular Meeting Clean Water Facility Report Update per Council request.

**LEGAL AUTHORITY**

**FISCAL IMPACT**

**PREVIOUS COUNCIL / BOARD / CITIZEN INPUT**

**ATTACHMENTS**

1. [8/03/2016 Report](#)

**PURPOSE**

**CITY COUNCIL WORKSHOP**

**DISCUSSION**

City of Oak Harbor  
**Clean Water  
 Facility Project**



**CITY COUNCIL PROJECT UPDATE – August 3, 2016**

*The following is a snapshot of project activities and milestones, as well as anticipated upcoming activities and risks being monitored for the Oak Harbor Clean Water Facility Project. These updates are provided to City Council on a bi-weekly basis.*

**RECENT ACTIVITIES AND MILESTONES (PREVIOUS TWO WEEKS)**

- Site Preparation Package B (Deep Excavation)
  - Completed excavation activities
- Site Preparation Package C (Micropiles)
  - Completed micropile installation and testing
- Deep Foundation Concrete
  - Poured first foundation concrete on June 22
  - Placed foundation grade material called a capillary break
  - Continued concrete placement for facility sumps
  - Open bids on the outfall pipe connector.
- Design
  - The Process Building 100% documents have been completed.
  - Carollo continues work on the non-process facilities
- SRF Funding Increase
  - DOE increased the 2017 CWSRF construction loan to \$44,766,854 from \$42,632,742

**ANTICIPATED/UPCOMING ACTIVITIES AND MILESTONES (NEXT SIX WEEKS)**

- Continue non-process facility design with 90% drawings due in September
- Site Preparation Package B and C
  - **These GMP's are essentially completed**
- Windjammer Park Integration Plan
  - Begin implementation activities
- Deep Foundation Concrete
  - Continue concrete installation
- Process Structures
  - Begin bidding/procurement process

**CLEAN WATER FACILITY DESIGN STATUS**

Item	Description	Progress %
Facility Design – Process Structures	Carollo Engineers is preparing the 100% design drawings for the process structures associated with the treatment plant.	100%
Facility Design – Biosolids Building	Design of the Biosolids building is at approximately 90%.	90%
Facility Design – Admin/Maintenance	Design of the Admin, Maintenance facilities are at approximately 60%.	60%



### CONSTRUCTION PACKAGE STATUS

Item	Description	Progress %
Site Preparation Package B	The design for the deep excavation package is complete. Construction has begun.	Completed
Site Preparation Package C	Preliminary work has begun on Site Preparation Package C. Work will include micro-piles in the bottom of the deep excavation and installation of a tower crane	Completed
Concrete Package	Design of the concrete structures for the Membrane Bioreactors and Aeration Basins has been completed. GMP #7 has been approved by Council.	Completed

### PERMIT ACQUISITIONS STATUS

Pending Permits	Description
<ul style="list-style-type: none"> <li>Building permits</li> </ul>	<ul style="list-style-type: none"> <li>The Deep Foundation GMP permit has been issued</li> <li>A building permit application for the process facilities is under review</li> </ul>

### CONSTRUCTION STATUS

Item	Description	Estimated Completion
GMP #2 (Outfall Construction)	The subcontractor has completed their work. We are currently finalizing the paperwork for this phase of work.	Final Closeout
GMP #3 (Site Preparation A)	The subcontractor has completed their work and the contract is being closed out.	Completed
GMP #4 (Site Preparation B)	Sheet piles and tie-backs have been installed. Deep excavation has been completed. A few miscellaneous tasks remain.	July 2016
GMP #6 (Site Preparation C)	Micropile installation mostly completed. Miscellaneous closeout tasks underway.	July 2016
GMP #7 (Deep Foundation Concrete)	Started installation of rebar and placement of concrete.	May 2017

### COST AND FUNDING STATUS

Major Cost Item	Cost Estimate	Description
GMP #1 (MBR/UV)	\$2,775,455.58 (includes sales tax)	Awarded by City Council on 12/2/2014 - Includes Membrane Bioreactor and Ultra Violet Disinfection equipment procurement and design support. Does not include installation costs.
GMP #2 (Outfall)	\$2,164,488 (includes sales tax)	Awarded by City Council on 4/21/15 - Construction of a new outfall from approximately the waterfront trail out into Oak Harbor Bay.
GMP #3 (Site Prep A)	\$908,872 (includes sales tax)	Approved by City Council 6/16/15 - Preliminary site excavation and archaeological investigation. Preliminary results indicate this work will come in under budget or be delayed until Site Preparation Package B.

GMP #4 (Site Prep B)	\$5,109,549 (includes sales tax)	Approved by City Council on 10/20/15 - Site Preparation Package B will include utility relocates, minor demolition at the existing RBC Plant, stone column installation, sheet pile installation and deep excavation.
GMP #5 (Biosolids Dryer)	\$2,028,222 (includes sales tax)	Approved by City Council on 10/20/15 - Resolution and GMP #5 regarding a biosolids dryer were approved
GMP #6 (Site Prep C)	<b>\$4,311,589</b> (includes sales tax)	Site Preparation Package C will includes installation of micro-piles, preparation for a tower crane and extension of the outfall to the site.
GMP #7 (Deep Foundation)	<b>\$10,169,937</b> (includes sales tax)	The Deep Foundation package includes the concrete construction to bring the Membrane building to grade and other construction activities.
Overall Project	<b>TBD</b>	90% design documents for the process facilities have been received by the City. Hoffman initiated cost estimates. 90% design for the non- process buildings is expected in late August.

<b>Funding: Pending</b>	<b>Description</b>
2017 CWSRF - WWTP Construction	On June 21, 2016 we received a formal offer from the Department of Ecology for a \$44,766,854 State Revolving Fund Loan at a rate of 1.6% for a term of 20 years. We will be working with DOE to amend our existing funding agreement over the coming months.
Rates	Ordinance 1760 was passed by City Council on March 15, 2016. Staff will continue to evaluate rates as the project progresses.
<b>Funding: In hand</b>	<b>Description</b>
2016 CWSRF – WWTP Construction	The City has been allocated \$15,631,311 at a reduced interest rate of 1.9% for 20 years and an additional \$463,154 forgivable principal for hardship and green project reserve. An additional \$4,586,846 in Centennial Grant has also been obtained.
2015 CWSRF – Outfall Design and Construction	The City has received \$3,200,000 in low interest loans from DOE for design and construction of the new outfall for the wastewater treatment plant. The loan is for 20 years at 2.7% interest.
2015 CWSRF – WWTP Design	The City has received \$8,260,000 in low interest loans for design of the new wastewater treatment plant. The loan is for 20 years at 2.7% interest.
2016 CWSRF – WWTP Construction	The City has been allocated \$15,631,311 at a reduced interest rate of 1.9% for 20 years and an additional \$463,154 forgivable principal for hardship and green project reserve. An additional \$4,586,846 in Centennial Grant was also offered.
Department of Commerce Grant	The City has received a \$2,500,000 grant from the Governors Capital Improvement Program. The city received the grant reimbursement.
Bond Anticipation Note	This note has been repaid with proceeds from the bond sale.
Bonds	The City released bonds and secured a rate of 3.43%. The city closed on the bond sale
Reserves	The sewer fund has been accumulating reserves that have been earmarked for this project.

**COMMUNICATIONS AND OUTREACH STATUS**

<b>Upcoming activities or In-Progress activities</b>	<b>Description</b>
Project communications plan	The project team continues to implement the project communications plan through weekly e-mail updates, drop-in times at the construction site, project signage and regular mailers at major milestones. A project mailer will go out in August.
Windjammer Park Integration Plan	Staff is working to implement the plan approved by City Council on June 7 <sup>th</sup> .

**PROJECT CONTACT INFORMATION**

**Web**

[www.oakharborcleanwater.org](http://www.oakharborcleanwater.org)

**Email**

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**General phone (24-hour)**

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**Project team contact information**

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# Schedule

