

City of Oak Harbor
City Council Agenda Bill

Bill No. 5.c.i
Date: January 3, 2017
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 Clean Water Facility Project Update attached

BACKGROUND / SUMMARY INFORMATION

LEGAL AUTHORITY

City Council.

FISCAL IMPACT

PREVIOUS COUNCIL / BOARD / CITIZEN INPUT

ATTACHMENTS

1. [CWF Update](#)

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



CITY COUNCIL PROJECT UPDATE – January 3, 2017

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)

- GMP #7, #8, and #10-Self Perform Concrete
 - 54 of 189 concrete pours completed
- Design
 - Windjammer Park Design activities underway
 - Work on SCADA activities is underway.
- Process mechanical/electrical
 - Work underway for GMP #9
 - Beginning equipment submittal process.
- City Beach St. reopened
- Opened bids for the non-process structures and preparing GMP#11 for Council consideration.
- The city received final DOE approval for the construction.

ANTICIPATED/UPCOMING ACTIVITIES AND MILESTONES (NEXT SIX WEEKS)

- Windjammer Park Integration Plan
 - Begin design activities and public involvement activities
 - Public Open House on January 12th
- Self-Perform Concrete (Buildings 20,30, 32, 50 and 70)
 - Continue concrete installation
- GMP #9 Process Structures Mechanical/Electrical
 - Continue piping installation for structures
 - Continue submittal process for treatment equipment
- Complete RBC Plant demolition
- Prepare GMP #11 for Council approval

CLEAN WATER FACILITY DESIGN STATUS

Item	Description	Progress %
Facility Design – Process Structures	Carollo Engineers has completed the design drawings for the process structures associated with the treatment plant.	100%
Facility Design – Biosolids Building	Design of the Biosolids building is complete.	100%
Facility Design – Admin/Maintenance	Design of the Admin and Maintenance facilities are complete.	100%

PERMIT ACQUISITIONS STATUS

Pending Permits	Description
<ul style="list-style-type: none"> Building permits 	<ul style="list-style-type: none"> A building permit for the process facilities has been issued A permit application for the non-process facilities has been applied for.

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
GMP #8 (Building 20 and 30 Concrete)	Started installation of rebar and placement of concrete.	October 2017
GMP #9 (Process Mechanical and Electrical)	Started installation of mechanical and electrical systems.	August 2018
GMP #10 (Buildings 32, 50, and 70 self-perform concrete)	Started installation of rebar and placement of concrete.	August 2018

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)	\$4,311,589 (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)	\$10,169,937 (includes sales tax)	The Deep Foundation package includes the concrete construction to bring the Membrane building to grade and other construction activities.
GMP #8 (Self Performed Concrete)	\$11,766,510 (includes sales tax)	Contract awarded by Council on 9/4/16. The self-performed concrete work will complete the subsurface membrane and aeration structures.
GMP #9 (Mechanical Electrical packages)	\$38,159,69 (includes sales tax)	Contract awarded by Council on 10/4/16. GMP #9 includes the mechanical/electrical systems associated with the wastewater treatment plant.
GMP #10 (Buildings 32, 50 and 70 Self Perform Concrete)	\$5,840,494 (includes sales tax)	Contract awarded by Council on 11/15/16. GMP #10 completes the self-perform concrete structures for the wastewater treatment plant.
GMP #11 (Non Process Structures)	TBD	Design complete and work is out for bid.
GMP #12 (Site Restoration/Mitigation)	TBD	Windjammer Park Integration Plan Phase 1 design contract approved by Council.

Funding: Pending	Description
2018 CWSRF - WWTP Construction	On October 21, 2016 the city applied for the 2018 funding cycle to complete funding for the project. Results will be announced in the spring of 2017.
Funding: In hand	Description
2017 CWSRF - WWTP Construction	The City received a loan 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.
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.
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 \$25 million in 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.
Rates	Ordinance 1760 was passed by City Council on March 15, 2016. Staff will

	continue to evaluate rates as the project progresses.
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COMMUNICATIONS AND OUTREACH STATUS

Upcoming activities or In-Progress activities	Description
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 was distributed November 15.
Windjammer Park Integration Plan	Staff is working to implement the plan approved by City Council on June 7 th . A public open house is schedule for January 12th.

PROJECT CONTACT INFORMATION

Web

www.oakharborcleanwater.org

Email

treatmentplant@oakharbor.org

General phone (24-hour)

360-914-7000

Project team contact information

Joe Stowell, P.E., City Engineer

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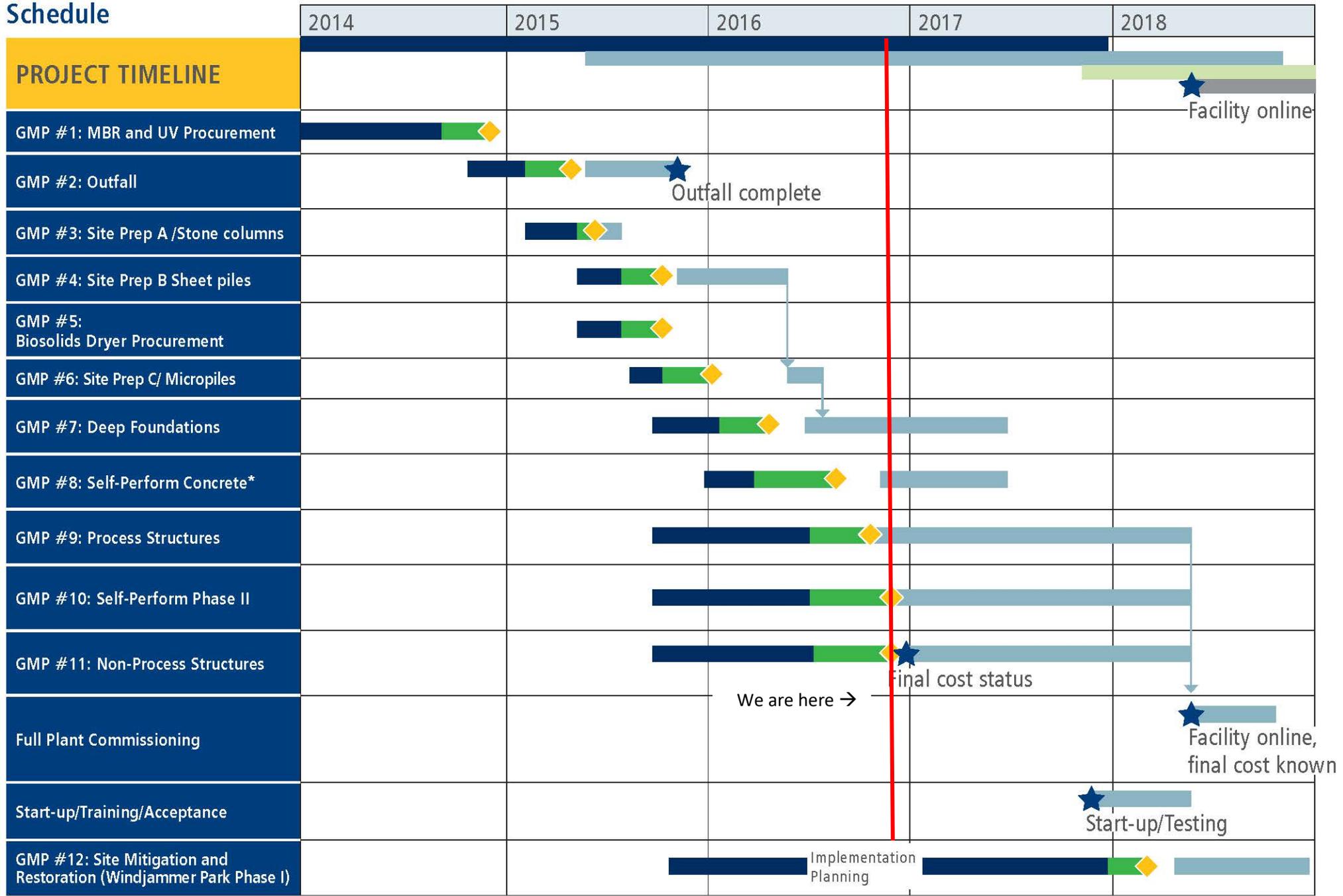
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Schedule



Design
 GMP development
 Construction
 Milestone
 Testing
 Restoration
 Council decision

*Concrete was included in GMP #9.

