

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

Bill No. 5. c. i.  
Date: April 3, 2018  
Subject: Clean Water Facility Update

**FROM: Brett Arvidson, Project Engineer**

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

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

**RECOMMENDED ACTION**

**BACKGROUND / SUMMARY INFORMATION**

**LEGAL AUTHORITY**

City Council

**FISCAL IMPACT**

**PREVIOUS COUNCIL / BOARD / CITIZEN INPUT**

**ATTACHMENTS**

1. [04.03.18 Clear Water Facility Update](#)

# City of Oak Harbor Clean Water Facility Project



## CITY COUNCIL PROJECT UPDATE – April 3, 2018

*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 at each Council Meeting.*

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

- GMP #7, #8, and #10-Self Perform Concrete
  - Continuing structural backfill
  - Completed major pours for GMP #7, #8 and #10
- Design
  - Work on SCADA activities is underway.
  - Windjammer permit applications in process
- Process mechanical/electrical
  - Work underway for GMP #9
  - Installing major building conduit runs
  - Continuing major pipe mechanical construction
  - Installing process equipment
  - Continuing equipment submittal process.
- Completed CMU above ground structures (blower, electrical, maintenance, biosolids and headworks)
- Continued decorative brick facades
- Continuing wood frame construction for Admin/Maintenance Building
- Continuing roofing on all buildings
- The City received notice of a \$750,000 State Legislative Grant

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

- Windjammer Park Integration Plan
  - Evaluate bids and prepare GMP #13
  - Hold council workshop on GMP #13
  - Continue permit activities and public involvement activities
- Continue decorative brick construction on all buildings
- Complete installing roofs
- Self-Perform Concrete (Buildings 20,30, 32, 50 and 70)
  - Complete major concrete installation in early March
- GMP #9 Process Structures Mechanical/Electrical
  - Continue piping installation for structures
  - Installing process equipment
  - Continue interior conduit runs.
  - Continue submittal process for treatment equipment
- GMP #11 Administration/Maintenance Building
  - Complete wood frame construction

- Equipment and building painting on-going.
  - Beginning to install building accessories such as doors, windows, ect.
  - Completing roofing activities
  - Continue submittal process
- Park and Road Closures are anticipated starting in May
  - A Council meeting to discuss GMP #13 is anticipated in April

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%
Windjammer Park Design	Design of windjammer park is underway	100%

PERMIT ACQUISITIONS STATUS

Pending Permits	Description
Building permits	<ul style="list-style-type: none"> <li>• All building permits for the CWF facilities has been issued</li> <li>• The Project team has started the permit acquisition process for the Windjammer Park construction. Over 25 permits expected.</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.	Completed
GMP #6 (Site Preparation C)	Micropile installation mostly completed. Miscellaneous closeout tasks underway.	Completed
GMP #7 (Deep Foundation Concrete)	Started installation of rebar and placement of concrete.	Completed
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
GMP #11-Superstructure Construction	Started various construction activities.	August 2018
GMP #12-Odor Control System	Started various construction activities.	August 2018

COST AND FUNDING STATUS

Major Cost Item	Cost Estimate	Description
GMP #1 (MBR/UV)	\$2,775,455 (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)	\$5,554,080 (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)	\$2,204,678 (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. Approved by Council on 1/19/16
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. Approved by Council on 4/5/16
GMP #8 (Self Performed Concrete)	\$11,766,510 (includes sales tax)	Contract awarded by Council on 9/6/16. The self-performed concrete work will complete the subsurface membrane and aeration structures.
GMP #9 (Mechanical Electrical packages)	\$36,159,695 (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)	\$23,939,860 (includes sales tax)	GMP #11 approved by City Council at the January 17 <sup>th</sup> meeting. GMP #11 includes the superstructure and other architectural work for the treatment plant
GMP #12 (Site Restoration/Mitigation)	\$4,732,663 (includes sales tax)	GMP #12 approved by City Council at the March 21st meeting. GMP #12 includes the mechanical systems for the odor control structure.
GMP #13(Site Restoration/Mitigation)	TBD	Windjammer Park Integration Plan Phase 1 design contract approved by Council.

Funding: Pending	Description
None	No funding applications pending
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.
2018 CWSRF - WWTP Construction	On October 21, 2016 the city received received \$29,124,301 @ 1.2% in the 2018 funding cycle.
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.

#### 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
Windjammer Park Integration Plan	Staff is working to implement the plan approved by City Council on June 7 <sup>th</sup> , 2016. A 30% design presentation was presented on March 22 and Resolution 17-08 adopted on April 18 <sup>th</sup> . An Open House and on-line Open House was held on August 24 <sup>th</sup> . A public education event is anticipated in 2018

## PROJECT CONTACT INFORMATION

### *Web*

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

### *Email*

[treatmentplant@oakharbor.org](mailto:treatmentplant@oakharbor.org)

### *General phone (24-hour)*

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### *Project team contact information*

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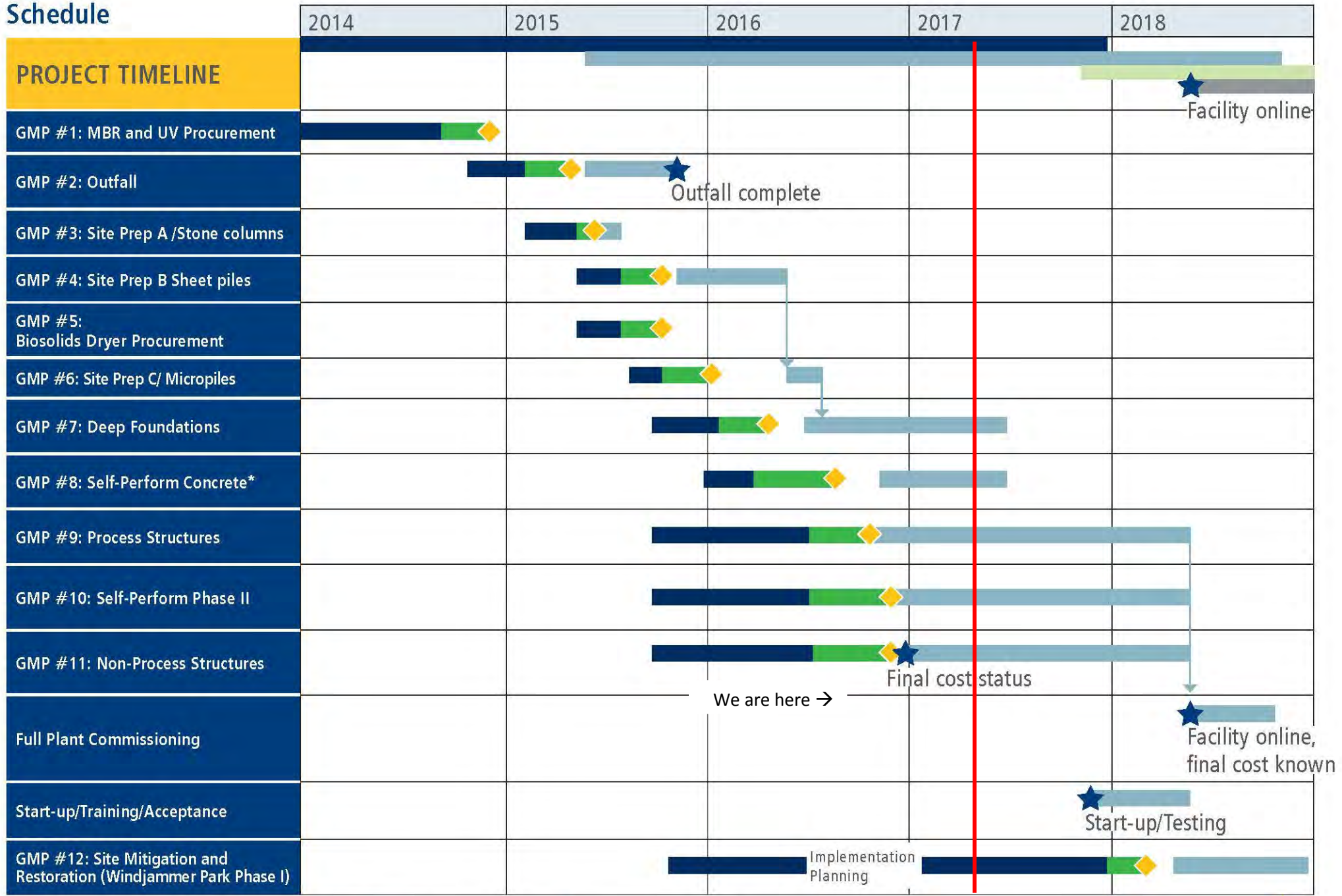
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# Schedule



Design
  GMP development
  Construction
  Milestone
  Testing
  Restoration
  Council decision

\*Concrete was included in GMP #9.