

City of Oak Harbor
City Council Agenda Bill

Bill No. i.
Date: September 1, 2015
Subject: Wastewater Treatment Plant
Update by Staff

FROM: Joe Stowell, City Engineer

INITIALED AS APPROVED FOR SUBMITTAL TO THE COUNCIL BY:

- Scott Dudley, Mayor
- Larry Cort, City Administrator
- Doug Merriman, Finance Director
- Nikki Esparza, City Attorney, as to form

RECOMMENDED ACTION

Review

BACKGROUND / SUMMARY INFORMATION

Regular Wastewater Treatment Plant Staff Update for 9/01/2015

LEGAL AUTHORITY

FISCAL IMPACT

PREVIOUS COUNCIL / BOARD / CITIZEN INPUT

ATTACHMENTS

1. [Wastewater Treatment Plant Update - 9/01/2015](#)

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



CITY COUNCIL PROJECT UPDATE – September 1, 2015

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 FOUR WEEKS)

- Site Preparation Package A substantially complete. (Archaeological Investigation)
- Outfall Construction well under way. Work is transitioning from shore based to barge based.
- Site Plan Application submitted and currently under review.

ANTICIPATED/UPCOMING ACTIVITIES AND MILESTONES (NEXT SIX WEEKS)

- Site Preparation Package B bid opening on September 17th (Deep Excavation)
- Review of 60% Cost Estimate / Biosolids Options / Community Room / Finance workshop later in September.
- 90% Design expected to begin this month with an expected completion in February.
- Windjammer Park Planning – How will the new Wastewater Treatment Plant fit in with the surrounding park.

DESIGN STATUS

Item	Description	Progress %
Facility Design	Carollo Engineers have submitted 60% design drawings. A 60% Design presentation and cost estimate is scheduled to be presented to the City Council in September.	60%
Site Preparation Package B	The design for the deep excavation package is underway and tentatively scheduled for Council approval in October, following review of 60% design cost estimates.	90%

PERMIT ACQUISITIONS STATUS

Pending Permits	Description
<ul style="list-style-type: none"> • Site Plan Permit • Shoreline Master Plan Permit • Conditional Use Permit 	<ul style="list-style-type: none"> • Submitted to Development Services 7/24/15 • Submitted to Development Services 7/24/15 • Submitted to Development Services 7/24/15

CONSTRUCTION STATUS

Item	Description	Estimated Completion
Outfall Construction	Hoffman and the outfall subcontractor continue excavation of the upland areas. Parts of the park near the existing sewage treatment plant will be utilized. In-water work started and will continue depending on tides. Some of the in-water work will	October 2015

	be conducted by a barge anchored in the harbor through August.	
Site Preparation A	Excavation activities started promptly after award on 6/16/15 and are nearing completion. The goal of this phase is to identify potential cultural resources which will then allow Carollo and Hoffman to provide more accurate 60% cost estimates. Early indications are positive. No significant cultural resources have been encountered which indicates the preferred method of soil stabilization is likely to be used.	August 2015
Groundbreaking on CWF		November 2015

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)	Out for Bid	Site Preparation Package B will include utility relocates, minor demolition at the existing RBC Plant, stone column installation, sheet pile installation and deep excavation. Bids are expected to be opened on Sept. 17 and presented to Council in October after the 60% cost estimate has been reviewed.
Overall Project	TBD	60% design documents have been received by the City. Carollo and Hoffman are developing cost estimates. Staff expects to present an updated cost estimate to City Council in September with options regarding biosolids handling and including a community/training room. 90% Design is expected to begin in September.
Biosolids Dryer	TBD	Staff is currently reviewing proposals for biosolids dryers to include in the 60% cost estimate. The results will be included in an analysis of different biosolids handling options.
Community Room	TBD	Cost estimates and funding for the community room will be presented with the 60% cost estimate later in September.

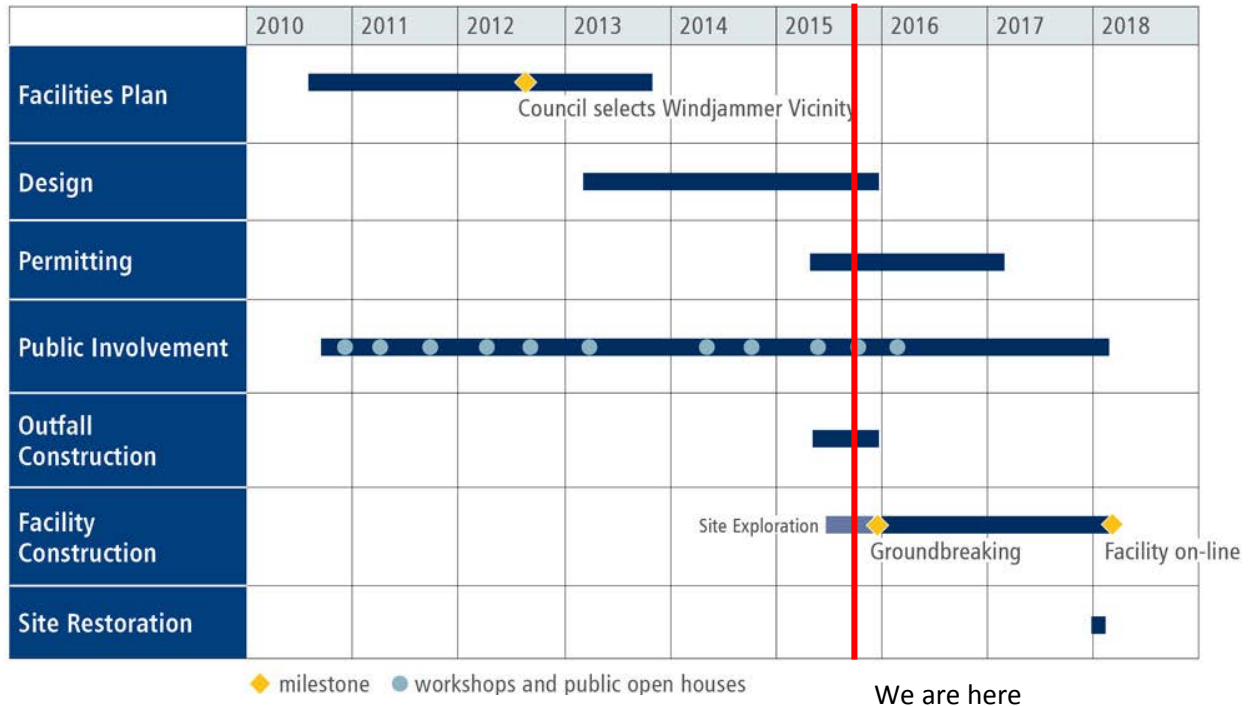
Funding: Pending	Description
2016 CWSRF – WWTP Construction	The City has submitted an application for construction of the treatment plant and has been tentatively awarded \$15,631,311 at a reduced interest rate of 1.9% for 20 years and an additional \$463,154 forgivable principal for hardship and green project reserve. An additional \$4,586,846 in Centennial Grant was also offered. Final award will not occur until state legislature has passed the state budget in July. Staff intends to apply for additional funding next year to cover the remaining construction costs.
2017 CWSRF - WWTP Construction	Applications for 2017 CWSRF funding are due October 16, 2015.
Bonds	The City is reviewing our funding options with regards to CWSRF vs. Bonds to develop the most advantageous funding program for the project. The goal is to reduce the overall burden on the rate payers. City staff initiated preparation of POS statement necessary to issue revenue bonds.
Rates	Staff is currently reviewing the impacts of the funding sources listed above, current bond rates and the estimated cost of the project to determine how the project rates might be impacted by the construction cost increases and lower financing rates.
Funding: In hand	Description
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.
Reserves	The sewer fund has been accumulating reserves that have been earmarked for this project.

COMMUNICATIONS AND OUTREACH STATUS

Upcoming activities	Description
September 1 – City Council Meeting - Architectural Theme	Results of the August in-house and on-line open house were presented at the August 26 th City Council Workshop. Approximately 80% of the respondents preferred Concept B with sloped roofs, darker materials and increased use of wood. Concept B will be presented to City Council September 1, 2015 for approval of the architectural theme moving forward.
September 1 – City Council Meeting – Good Neighbor Plan	Staff will be requesting City Council adopt a Resolution formalizing the Good Neighbor Plan. This plan outlines how the project team will communicate construction activities with the public and will be included in future construction contracts.
In-progress or recently completed activities	Description
August 12 - Open House	<p>A public open house to present architectural concepts to a wider audience was held on August 12, 2015 at the Elks Lodge.</p> <ul style="list-style-type: none"> • Staff and consultants provided design information and solicited public input on the design concepts. • An on-line version of the Open House was available until August 21 on the www.oakharborcleanwater.org website to allow those who couldn't attend to participate.

August 26 – City Council Workshop	Staff presented an update on the RV Park, Good Neighbor Plan and summarized the open house results.
Parking	The parking lot behind Wells Fargo is not available for project parking. Anyone wishing to visit the site is welcome to park there. The project office is accessible around the south side of the building.

PROJECT SCHEDULE



PROJECT CONTACT INFORMATION

Web

www.oakharborcleanwater.org

Email

treatmentplant@oakharbor.org

General phone (24-hour)

360-914-7000

Mall

City of Oak Harbor
 865 SE Barrington Drive
 Oak Harbor, Washington 98277

Project team contact information

Joe Stowell, P.E. City Engineer
[360-720-8796](tel:360-720-8796)
jstowell@oakharbor.org

Brett Arvidson, Project Engineer
[360-914-7987](tel:360-914-7987)
barvidson@oakharbor.org