

# Wastewater Treatment Plant Draft Facilities Plan

Authorization to Submit to Dept. of Ecology

# Purpose



- ▶ The purpose of this agenda bill is to request approval from City Council to submit a Draft Facilities Plan for the proposed wastewater treatment plant to the State of Washington Department of Ecology (DOE).

# Background



- ▶ January 2009 – Tetra Tech/KCM Comprehensive Sewer Plan indicated need for new wastewater treatment plant
- ▶ August 4, 2010 – Carollo selected to prepare Facilities Plan for new Wastewater Treatment Plant
- ▶ Today – WWTP Facilities Plan is ready for submittal to WA Department of Ecology

# Facilities Plan Need



- ▶ Existing treatment facilities are outdated and nearing capacity.
- ▶ Increasingly stringent water quality standards
- ▶ Both outfalls have major problems
- ▶ Marsh surrounding lagoons reclaimed in 2009
- ▶ Requirement of National Pollution Discharge Elimination System (NPDES) permit

# Project Goals



- ▶ Provide reliable wastewater treatment
- ▶ Meet high water quality standards
- ▶ Phasing opportunities
- ▶ Deliver a plan that keeps on track to start the new treatment plant by the end of 2017

# Facilities Plan Components



- ▶ **Chapter 1 – Introduction**
  - ▶ Purpose and scope
  - ▶ Background
- ▶ **Chapter 2 – Planning Area Characteristics**
  - ▶ Existing and future service area
  - ▶ Existing and future land use
  - ▶ Stormwater management
- ▶ **Chapter 3 – Existing Facilities**
  - ▶ RBC and Lagoon plants
  - ▶ Collection System

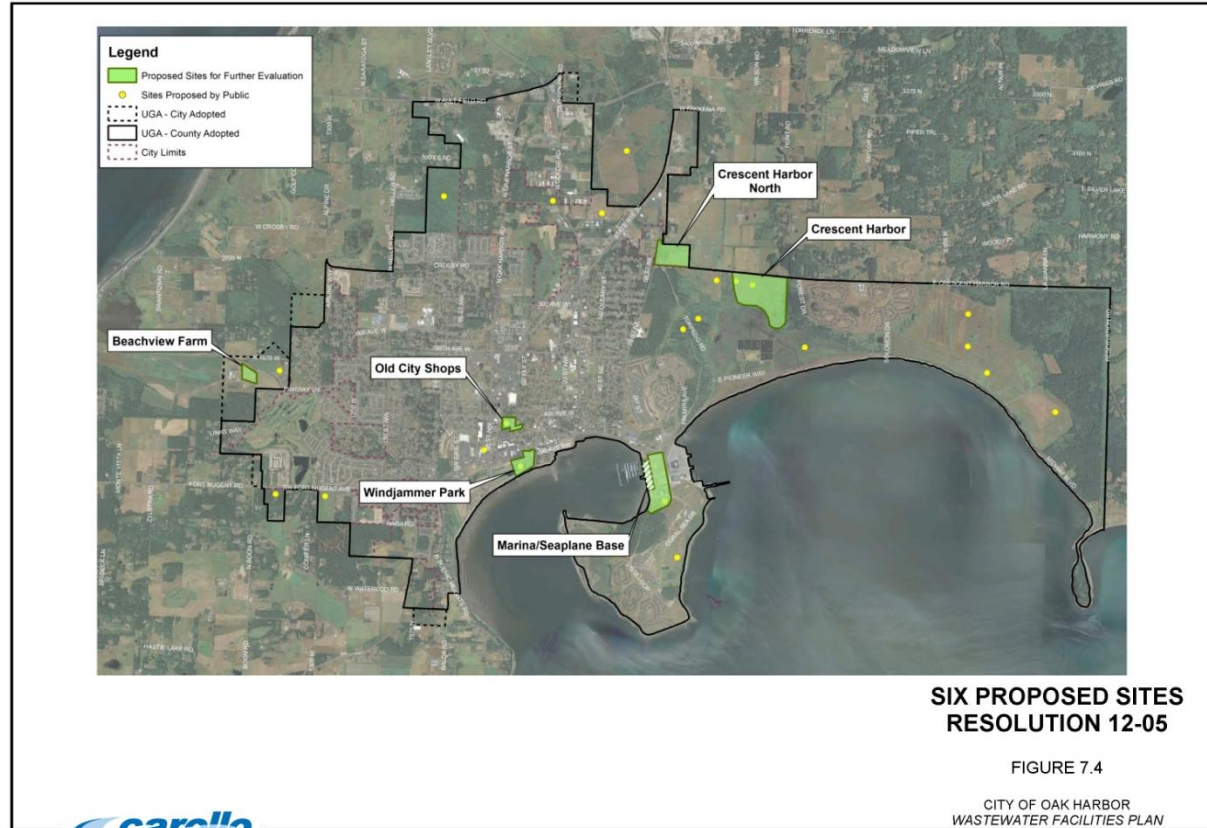
# Facilities Plan Components



- ▶ **Chapter 4 – Wastewater Flows and Loads**
  - ▶ Historic and current flows and loads
  - ▶ Projected flows and loads
- ▶ **Chapter 5 – Regulatory Requirements**
  - ▶ NPDES, NEPA, Clean Air Act, Cultural, Fish and Wildlife...
- ▶ **Chapter 6 – Alternatives Development**
  - ▶ Treatment process options
  - ▶ Effluent discharge options
  - ▶ Potential WWTP sites

# Facilities Plan Components

## ▶ Chapter 7 – Proposed Alternatives



pw://Carollo/Documents/Client/WA/Oak Harbor/8549A00/Deliverables/Facilities Plan/Fig\_07\_04.docx



# Facilities Plan Components

## ▶ Chapter 8 – Recommended Alternative



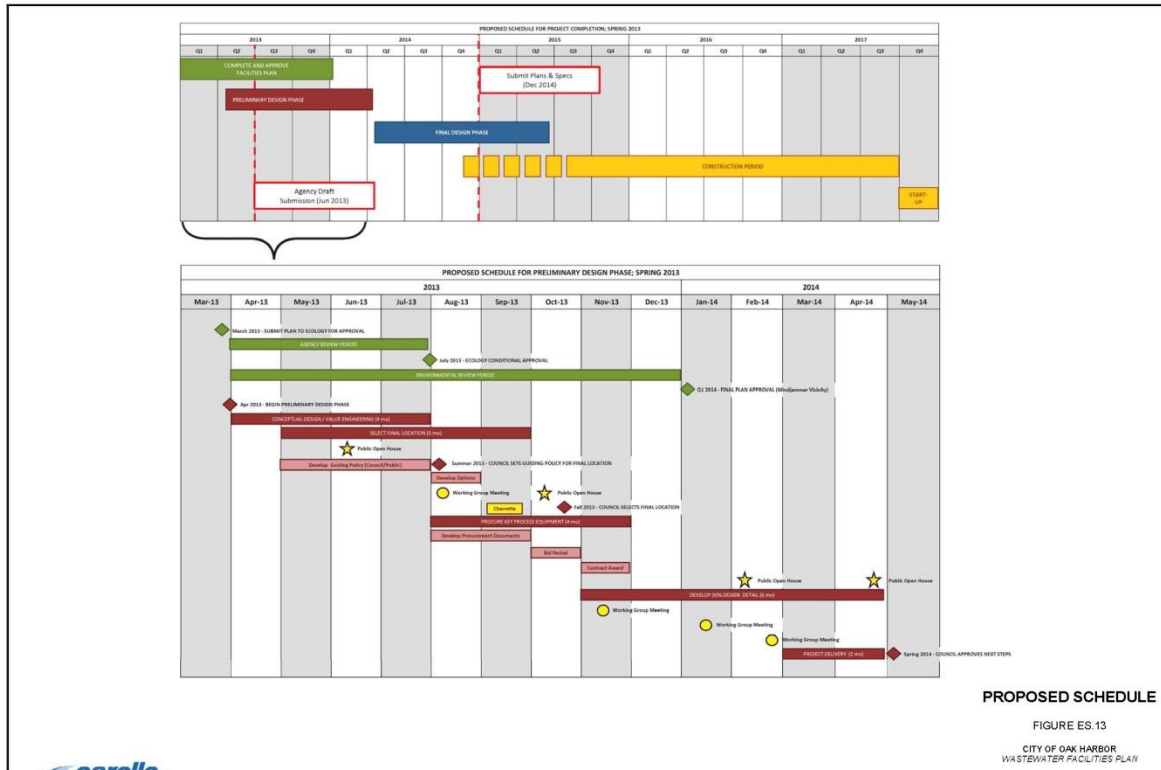
pw://Carollo/Documents/Client/NA/Oak Harbor/25-49400/Deliverables/Facilities Plan/Fig\_07\_36.docx

# Facilities Plan Components



- ▶ Chapter 9 - Financial Analysis
  - ▶ Funding Sources
    - ▶ Partners – “Navy”
    - ▶ Bonds
    - ▶ Grants
    - ▶ Low-interest Loans
    - ▶ Others...
  - ▶ Impact on monthly rates

# Project Schedule



prj:\Carollo\Documents\Clerk\Oak Harbor\54500\Deliverables\Final\Plan\Fig\_ES\_13.docx

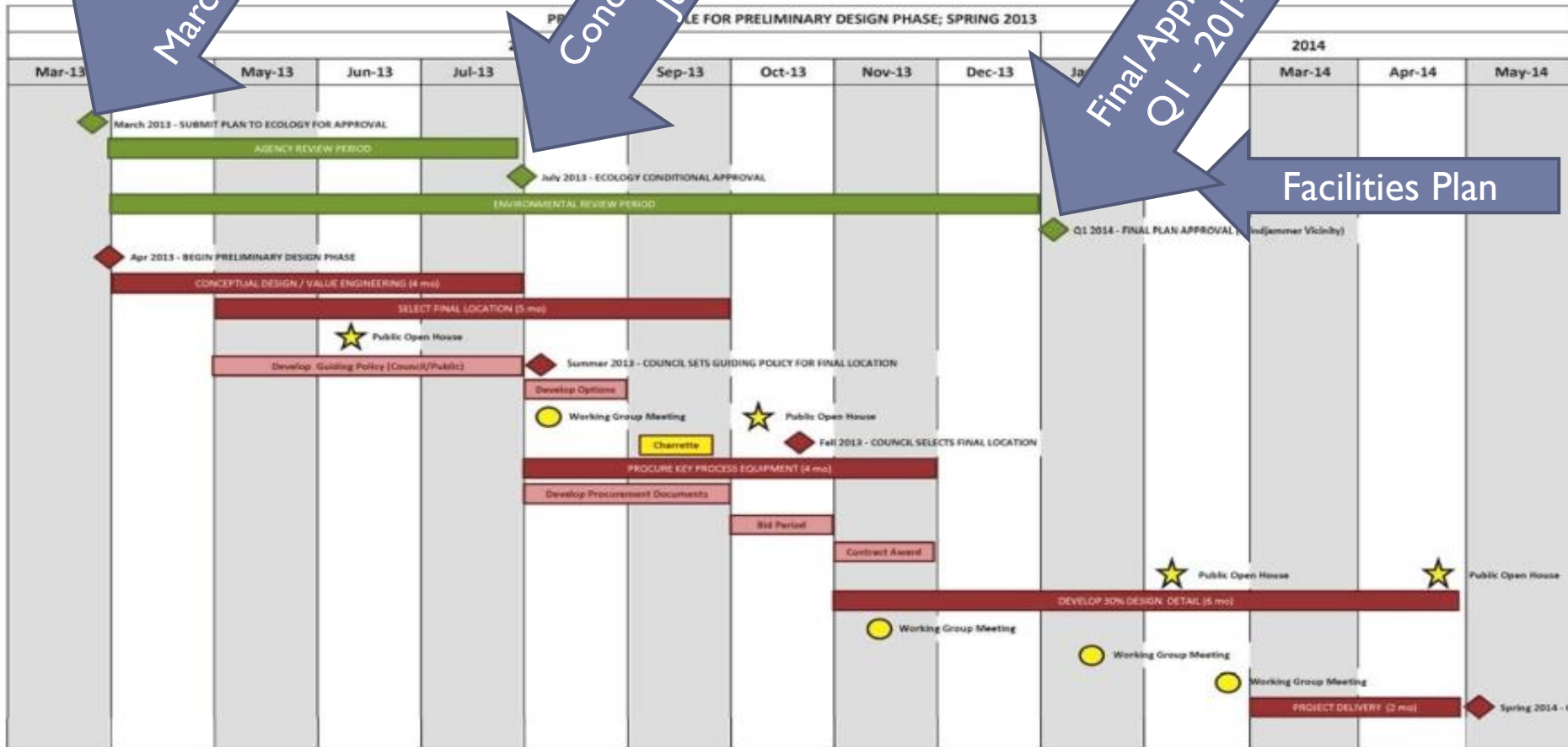


Today  
March 19, 2013

Conditional Approval  
July 2013

Final Approval  
Q1 - 2014

Facilities Plan



# Funding



- ▶ No additional funds requested to submit the Draft Facilities Plan to DOE.

# Draft Facilities Plan



- ▶ Where can you view a copy of the facilities plan
  - ▶ [www.oakharborcleanwater.org](http://www.oakharborcleanwater.org)
  - ▶ City Hall
  - ▶ Public Works
  - ▶ Public Library
  
- ▶ More information?
  - ▶ Joe Stowell, City Engineer  
360-279-4520 or [jstowell@oakharbor.org](mailto:jstowell@oakharbor.org)

# Requested Action



- ▶ A motion authorizing staff to submit a Draft Wastewater Facilities Plan to the State of Washington Department of Ecology.







**SIX PROPOSED SITES  
RESOLUTION 12-05**

FIGURE 7.4

CITY OF OAK HARBOR  
WASTEWATER FACILITIES PLAN

