

# Port Hadlock Wastewater System Project

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

October 2013



## PROJECT DESCRIPTION

The Port Hadlock Wastewater System Project consists of a new sewer treatment plant and collection system to serve the Port Hadlock Urban Growth Area (UGA). Local homes, businesses and other facilities are currently dependent on individual septic tank-leach field systems. Businesses and affordable housing projects are limited by on-site septic systems. Environmental quality concerns exist from the density of residential areas using septic systems.

The treatment plant and collection system are both necessary in order to provide sewer service and are on parallel schedule tracks. The treatment plant portion includes construction of a wastewater treatment plant (WWTP), the effluent re-use (infiltration) ponds, and a main influent pipeline and pump station. Effluent will be treated to Class A reuse standards and will recharge the Chimacum Creek aquifer, thereby enhancing salmon restoration efforts. The sewer collection system includes gravity flow pipelines and satellite pump stations. Local Improvement Districts (LIDs) are planned to finance the collection system.

The first phase of the project will serve over 500 acres; the 20-year service area is approximately 1,290 acres. The UGA has a total population of approximately 2,803, which is expected to increase by 17% over the next 20 years to nearly 5,000 persons.

## PROJECT STATUS

- Final design of treatment plant and wastewater reuse facility, to be complete Dec 2013
- Land acquisition completed for treatment plant, wastewater reuse, and main influent pipeline
- NEPA completed
- Local and State permit review underway
- LID assessment study, to be complete Dec 2013
- 10% level collection system design and cost estimate draft underway

## PROJECT FUTURE TASKS

- Sewer ordinances
- LID outreach and formation
- Full collection system design
- Seek final construction funding/financing

## PROJECT CHALLENGES

The Jefferson County economy has seen a significant shift since this project began. The cost to bring new sewer service into the UGA is high and represents a significant cost to residents as a percentage of median household income (MHI), at the same time as personal income and property values have decreased. The County has focused on planning and designing the common & shared portions of the system and is preparing to move toward LID formation for the collection system. The County is completing work necessary to determine connection costs and assessments, and answers to important property owner questions, which will allow the community to understand the personal impact of the LID and determine what is "affordable" in the current economy. LID formation will be dependent upon accessing funds necessary to bring costs into the affordable range.

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## PLANNING COMPLETED FOR PORT HADLOCK WASTEWATER FACILITY

- Growth Management Act Planning—Jefferson County designated the Irondale/Port Hadlock Urban Growth Area
- Sewer Facility Plan adoption into Comprehensive Plan; approvals by Departments of Ecology and Health, 2008
- Value Engineering (VE) Study Completed
- 100% WWTP & Reuse Facilities Design, December 2013

## REGULATORY REQUIREMENTS FOR Port Hadlock WWF

- NEPA complete
- Local permitting underway
- Ecology Design Review and Approval, mid-to-late 2014

## PROJECT COST AND FUNDING SECURED

<b>Estimated Project Cost Through Construction - Hadlock Core, Rhody Drive, Old Alcohol Plant Area</b>		<b>Remaining Funds Needed for Construction</b>	
Total WWTP Facilities	\$23M	Total Project Cost (w side sewers)	\$37M
Total Collection System	\$12M	Total Funding Obtained	\$14M
Side Sewer Financing	\$2M	2014 PWTF Application	Not Funded
<hr/> Total Project Cost	<hr/> \$37M	<hr/> Remaining Initial Funding	<hr/> \$23M

## Estimated 20-Year Total Capital Cost Per Residence / Per ERU (20-year Averaging)

Additional Grants/Appropriation:	\$20M		
	No Grants	\$12M Grants	Grants
Estimated Up-Front Connection Charge Per ERU	\$8,256	\$5,024	\$2,781
Estimated LID Assessment per ERU	\$9,098	\$9,098	\$8,617
Average Side Sewer	\$3,800	\$3,800	\$3,800
<hr/> Total Estimated Connection Cost per ERU:	<hr/> \$21,154	<hr/> \$17,921	<hr/> \$15,198

## Estimated Monthly Sewer Rate Per ERU

Operations & Maintenance	\$40.00
Billing, State Tax, Admin.	\$10.00
Emergency/Replacement Reserve	\$10.00
	<hr/> \$60.00

## CONTACT INFORMATION

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