



PROJECT PROFILE: MBR FACILITY AT PORT GAMBLE

MELANIE MANKAMYER ELECTED TO WASWD BOARD

50th ANNIVERSARY CELEBRATION WELL ATTENDED

HAPPY HOLIDAYS!



Aerial view of project site during construction.

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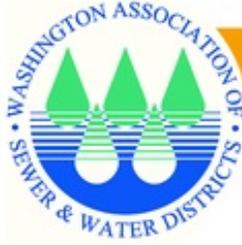
Olympic Property Group (OPG), a real estate development subsidiary of Pope Resources that serves residents and businesses in the Port Gamble area on the Kitsap Peninsula, was interested in upgrading their aging wastewater treatment facility and decommissioning a controversial outfall located in Hood Canal. Also, there is substantial community interest in using reclaimed water within this region. Our team, led by Senior Engineer and Wilson Engineering partner Jeff Christner, designed a new wastewater treatment facility to achieve these goals.

The new Port Gamble treatment facility is a flat plate membrane bioreactor (MBR) treatment process that produces a Class A Reclaimed Water level of treated wastewater (permeate). The

permeate is used for on-site water needs of the plant, which include mechanical screen spray wash, dilution water for chemical feed, wash down stations, and landscape irrigation. Excess treated effluent is discharged into a new drainfield. The treated effluent will also be available for off-site reuse when opportunities arise.

The wastewater treatment facility began operating in April 2017. Washington State Department of Health granted a permit as a Large Onsite Sewer System (LOSS). This facility completely replaced the previous wastewater treatment plant, which discharged treated wastewater to Hood Canal via an outfall permitted through the NPDES permit program. The LOSS provided for decommissioning of the existing treatment plant and eliminated the discharge of treated wastewater to Hood Canal. This allowed for the opening of adjacent geoduck clam harvest areas that were restricted by the existing outfall.

Since OPG is a private organization, the LOSS was transferred to Public Utility District No. 1 of Kitsap County (KPUD) for ownership and operation. KPUD views the ownership and management of the Port Gamble LOSS as an opportunity to expand their programs in water resource management and water reuse planning in Kitsap County.



8 Benefits of Washington State Sewer and Water Districts

There are 182 Sewer and Water Districts throughout the State of Washington, each governed by locally elected officials.

These districts provide cost-effective sewer and water services—ranging from the state's largest population centers, to the smallest rural communities.

The Washington Association of Sewer & Water Districts retained Eastern Washington University's Institute for Public Policy and Economic Analysis to conduct a study measuring the impacts of these locally governed districts.

The top eight benefits are at right; a sample of county-specific benefits are provided on the back.

Washington Association of Sewer & Water Districts

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1 Nearly a Quarter of State Water Service

Special Purpose Water Districts provide clean, affordable water to 19% of the state's population (22% on a public water system).

2 One Fifth of State Sewer Service

Special Purpose Sewer Districts provide environmentally cost-effective sewer transmission and/or treatment to 14% of the state's population (21% connected to sewer system and treatment plant).

3 \$595 Million Service With No Property Tax

State Sewer and Water Districts collectively operate a \$595 million dollar annual enterprise without imposing any property taxes.

4 \$135 Million Invested in Infrastructure

State Sewer and Water Districts collectively invest over \$135 million annually on capital improvement projects that ensure reliable service.

5 \$55 Million Contracted With Small Business

State Sewer and Water Districts throughout the state spend \$55 million annually contracting with small business.

6 \$17 Million in Support of State Investments

State Sewer and Water Districts help support critical state investments by paying \$17 million annually in B&O and Utility Excise taxes.

7 \$5 Million in Support of Local Governments

State Sewer and Water Districts help local governments collect utility taxes to fund local governmental services—currently in excess of \$5 million annually.

8 Gainful Employment

State Sewer and Water Districts directly support 1,345 jobs with an average annual salary of \$68,500.



MELANIE MANKAMYER ELECTED TO WASWD BOARD

Please join us in congratulating Melanie Mankamy, P.E., Senior Project Engineer and partner at Wilson Engineering, for being elected to the Washington Association of Sewer and Water Districts' Board of Directors. During the Fall Conference in Wenatchee, Melanie was chosen by her peers to represent Associate Members of the Association on the board. She has been active in supporting Section III meetings of the Association for several years as well as representing our company at Association conferences. Melanie has also provided civil engineering services to many clients located in the Section III area of Washington state and beyond for over 20 years.



50th ANNIVERSARY CELEBRATION WELL ATTENDED

Our celebration marking 50 years of providing engineering and survey services took place on September 17, 2017 at the Squalicum Boathouse located at Zuanich Point Park in Bellingham, Washington. Nearly 100 guests enjoyed a catered BBQ lunch and beverages, live music performed by talented local musician Walt Burkett, outdoor games, and of course the delicious cake pictured above. We were honored to welcome our company's founder Jim Wilson, P.E., former owner and principal Margaret Curtis, P.E., and many longstanding business associates and clients. Despite blustery autumn weather blowing in from Bellingham Bay a great time was had at the Boathouse, with a cozy fireplace adding to the ambiance. Cheers to the next 50 years!

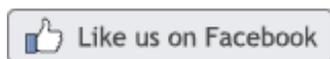


Photo: Anthony Cavender

HAPPY HOLIDAYS!

On behalf of all 30 staff at Wilson Engineering we wish you Happy Holidays. It has been a busy year of growth and transition here, including the development and upcoming rollout of a fresh look for our company website and logo, celebrating our 50th anniversary, a few staff changes, and working on some intriguing projects. We are grateful for the support of our business associates throughout the Pacific Northwest and look forward to serving our clients well in 2018. May the New Year offer rewarding opportunities for personal and professional growth to each of you.

STAY CONNECTED



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For more information about Wilson Engineering's services, please contact us by phone at 360.733.6100 or email at info@wilsonengineering.com.

Wilson Engineering, LLC has been providing engineering and survey services to the Pacific Northwest since 1967.