



CITY OF EDMONDS
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Treatment Plant Operations

- The City owns and operates a conventional Activated Sludge Wastewater Treatment Plant (WWTP) with a capacity of 11.8 MGD. We provide treatment services to 80% of Edmonds residents, all of Mountlake Terrace, all of Olympic View Water and wastewater District, and much of Shoreline.
- Due to the regional nature of the Treatment Plant, other agencies pay a proportionate share of both operating and capital expenditures. City of Edmonds pays approximately 50% of both O&M and capital expenses. The city's WWTP staff of 19 cover operations between 14 – 24 hours each day, depending on weather and biosolid volumes.
- Wastewater treatment is heavily regulated by USEPA and the State Dept. of Ecology. All operators need to obtain and maintain certifications to be able to work at the facility. We have completed 7 major energy savings projects over the last decade and are right now beginning start-up of our new gasifier system for biosolids treatment.





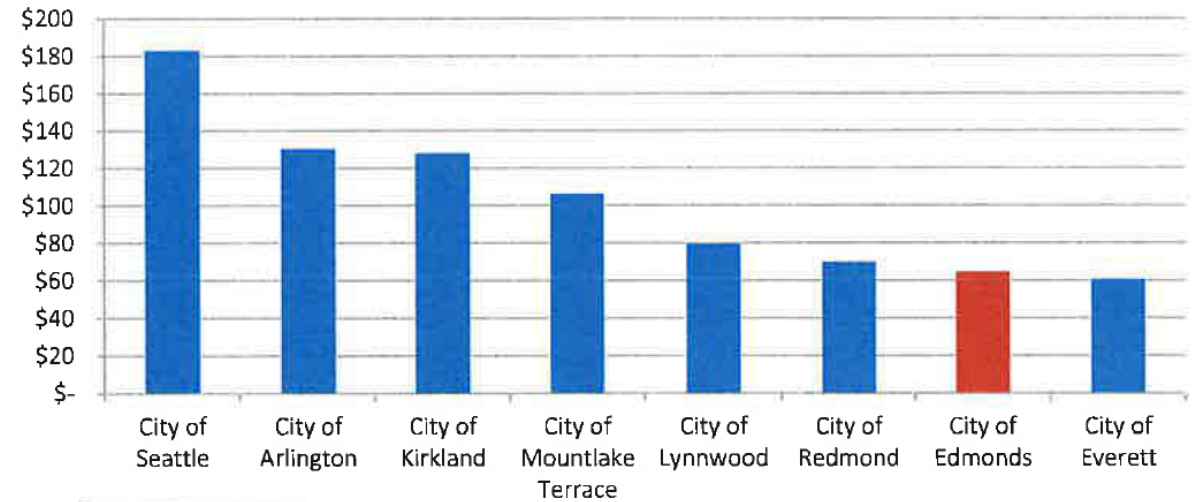
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- Retail Sewer Rates will rise for all classes of customers by 10.5% in 2025 and 10% in 2026
- Rates still remain competitive with peer agencies
- DP submitted for (1) additional Operator position with addition of the gasifier



Comparative Sewer Rates (1)



(1) Residential rate. Assumes 10 ccf of water consumption per month, where rates include a variable component dependent on water consumption volume. Includes utility taxes where charged.



Approximate Financial Impacts

20 year term, levelized debt service, 2.39% Interest Rate	
Project Cost	\$26,121,250
Edmonds share @ 50.787%	\$13,266,000
Debt Service Reserves	\$899,348
Issuance Costs	\$220,920
Total Bonds	\$14,386,268
Insurance	\$0
Average Annual Debt Service	\$898,203 +10% UT = \$988,023
2020 Projected Rate Revenue (approved 2020 budget)	\$12,873,846
New Rate Revenue Needed/Projected 2020 Rate Revenue	\$988,073/\$12,873,846 = 7.67%



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These projects have been completed in partnership with:



AMERESCO
Green • Clean • Sustainable

Washington State Department of
Enterprise Services

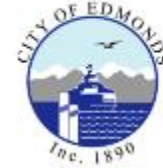
Approximate Financial Impacts:

- The Project team estimates savings of \$341,247/yr. in O&M
- Edmonds share of that varies but averages approx. 47% or \$160,386
- **Net** Edmonds cost increase = \$988,073 - \$160,386 = \$827,687 or **6.43%**
- Single Family Residential would increase from \$45.84/mo. to \$48.78/mo. or \$2.95/mo.



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Approximate Financial Impacts

- Capital Project Cost Sharing formula based on purchased capacity:
 - Edmonds 50.787 % or \$13,266,000
 - MTLK 23.174 % or \$6,053,000
 - Shoreline 9.488 % or \$2,478,000
 - OVWSD 16.551 % or \$4,323,000
- Total Carbon Recovery Project cost \$26,121,040
- Operation and Maintenance costs split each year based on total flow to the WWTP



Status of Carbon Recovery Project

- Construction 95% + Complete
- Plant recently completed commissioning – November
- Will be starting a 6-month O&M contract with Eco remedy, LLC at the end of February for transition to city operation
- Discussions on-going with the Department of Enterprise Systems and Ameresco for closing out the project
- Recent and growing federal and state interest in further regulating PFAS makes the gasification technology choice an even better decision



Additional Wastewater Treatment Issues

- Nutrient Removal (nitrogen) – Ecology is continuing to develop and implement new requirements for removal of nitrogen from the discharges of all municipal WWTPs on Puget Sound. The City has tried one pilot project already to accomplish this. Mixed results. We will be developing a plan this year to pilot a different technology. Ultimately, we believe this new requirement will cost approx. \$10MM +/-
- Our 30+ YO plant has been well cared for but has many systems that are aging-out. Motors, pumps, VFDs, etc. Capital needs will not decrease any time soon

A blurred city street scene with a blue overlay and a white diagonal line. The scene shows a street with buildings, cars, and a person walking. The text "Questions?" is overlaid in the center-right.

Questions?