

# King County's KIRKLAND PUMP STATION and SEWER UPGRADE PROJECT

## Upgrades to King County's Kirkland Pump Station are Finished

Upgrades to King County's 40-year-old Kirkland Pump Station are now complete ahead of schedule. This three year, \$20 million construction project increases capacity and ensures safe, reliable wastewater operations for the City of Kirkland's growing population.

As part of the King County Kirkland Pump Station and Sewer Upgrade Project, King County:

- ✓ Increased pumping capacity from 6 million gallons per day (mgd) to a peak capacity of 9.4 mgd to accommodate future growth.
- ✓ Replaced aging equipment to comply with seismic codes, operate quietly and efficiently, and employ state-of-the-art odor control.
- ✓ Upgraded equipment including new pumps, modernized control instrumentation and electrical equipment, and a new standby generator.
- ✓ Installed a new sewer force main to accommodate increased flows, connecting the pump station to the major pipeline on Railroad Avenue.

### How does the pump station work?

Wastewater pump stations play an important role in our county's wastewater system. In Kirkland, wastewater from residences and businesses flows through the sewer system to the King County Kirkland Pump Station. The pumps send the wastewater to the South Treatment Plant in Renton where the water goes through several levels of treatment before being sent to Puget Sound.

### How does this project fit into downtown Kirkland?

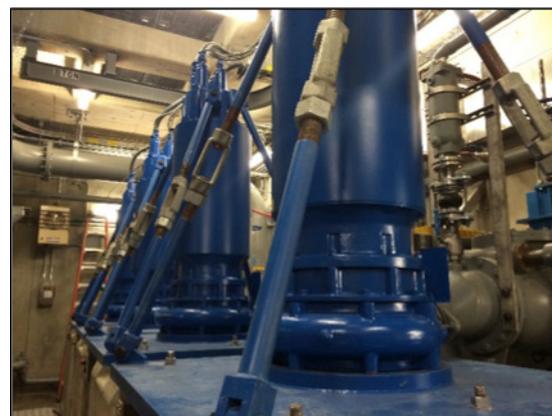
King County worked closely with the City of Kirkland on the design of the new pump station that will blend in with future improvements planned for Park Lane. The pump station frontage now includes landscaping, porous pavement, and rain gardens to match the flexible street design planned by the City of Kirkland.

### *Thank you for your patience during construction!*

Additional information is also available on the project website at [www.kingcounty.gov/environment/wtd/Construction/East/Kirkland.aspx](http://www.kingcounty.gov/environment/wtd/Construction/East/Kirkland.aspx)



*King County's Kirkland Pump Station recently finished ahead of schedule.*



*Upgraded pumps will help King County's Kirkland Pump Station meet the additional capacity needs of Kirkland's growing population.*



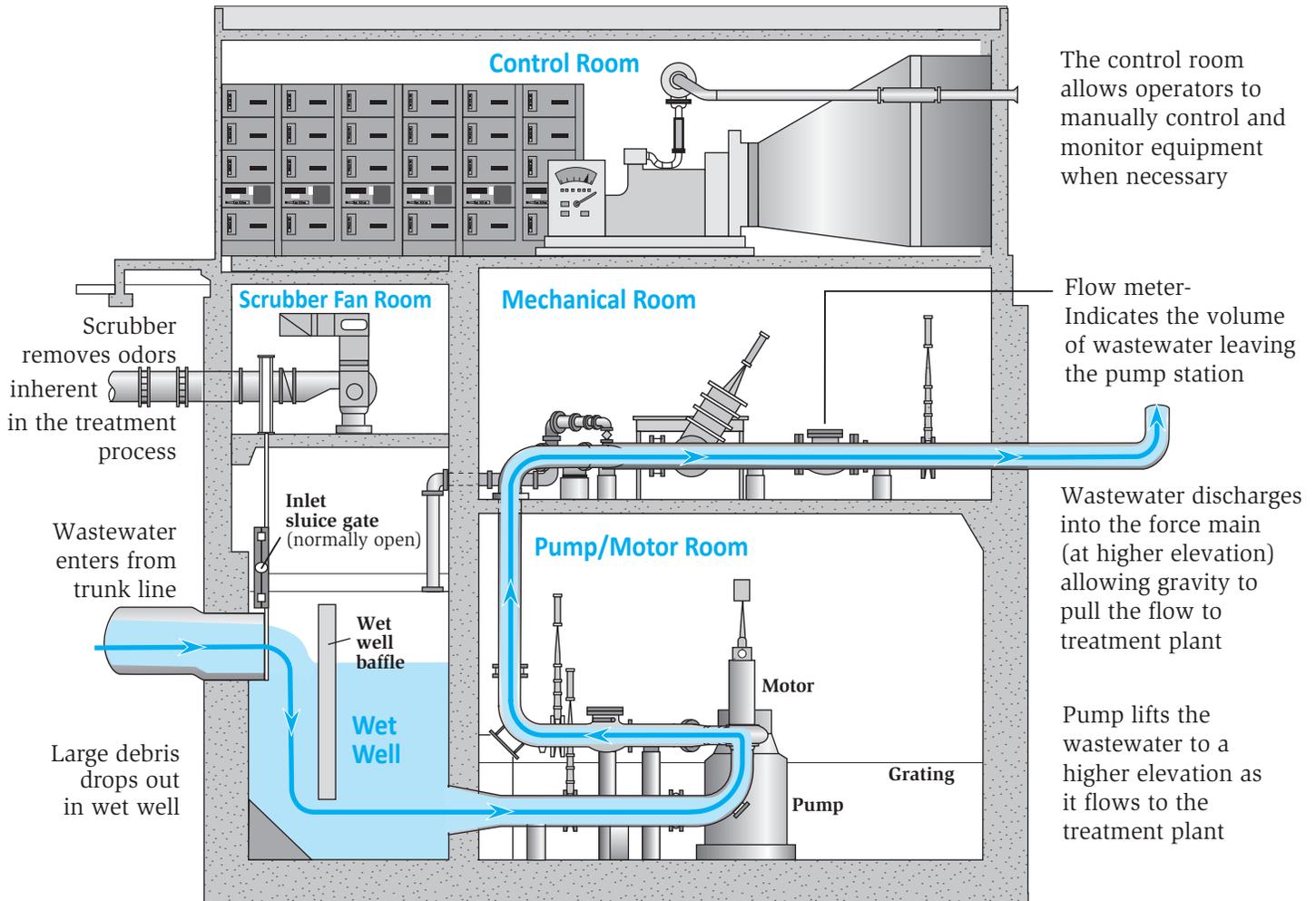
*A new generator will ensure the pump station is operational even during storms and power outages.*



**King County**

Department of Natural Resources and Parks  
Wastewater Treatment Division

# How does a pump station work?



The pump station receives wastewater (raw sewage) from the local sewer districts, which in turn collect it from local homes, businesses and industry. Wastewater enters the station through the influent, or incoming, sewer and drops to the wet well. It is pumped up and out of the station via the pump/motor room before being discharged through a force main (a large diameter pipe that conveys wastewater under pressure to the treatment plant). The movement of wastewater creates odors, which are captured and scrubbed before air from the station wet well is released to the atmosphere. If there are problems with a station, telemetry systems alert operators at the main treatment plant. There, operators check the alarms via computer and notify crews to respond to the situation.

## For more information contact:

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