Great things are happening at the West Point Treatment Plant

Since May 2017, West Point has been meeting strict environmental standards and doing its part to protect water quality for our growing region. We’ve already moved forward with a number of improvements and upgrades to protect facilities, strengthen operations and emphasize employee safety.

ACTIONS

SAFEGUARDING THE ENVIRONMENT – PREPARING FOR THE FUTURE

Water quality & habitat health near West Point remained consistent in 2017 with prior years.

Data from increased monitoring was shared with scientists to further knowledge of Puget Sound.

West Point Currently Serves 700,000 people and growing!

West Point treats the largest volume of stormwater and wastewater in our regional sewer system yet it sits on the smallest footprint.

West Point treats sewage and stormwater from Seattle and its northern suburbs – about 100 million gallons a day, and up to 440 million gallons during heavy rains.

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**NEW OR REFURBISHED EQUIPMENT**

- New insulation installed in a 1-mile tunnel
- **149** electric motors
- **127** pumps
- **25** electrical transformers
- **125** electrical panels
- **2,000+** light fixtures
- **1,200** outlets and switches
- **3** equipment control systems

**UPGRADES COMPLETED**

- New float switches that are tested weekly
- Redundant power feeds with automatic transfer switches
- New backup hydraulic power unit

**NEW SAFETY & TRAINING POLICIES – PROTECTING WORKERS AND EQUIPMENT**

- New alarm management system prioritizes critical alarms
- Upgraded training program with dedicated resources
- On-shift training and scenario specific drills
- Life-Safety Management Program
- Limiting access to tunnels during high flows
- Emergency bypass use has clear protocols and required staff training.

**PERFORMANCE AND COST FOR REPAIRS**

- The plant handled **10** peak-flow events (over 400 million gallons per day) since April 2017
- Repair cost estimates have nearly halved from original estimates: **$25M** to **$49M** to **$57M**