

# **Water Operations and System Maintenance Division Overview**

**Water System Advisory Committee meeting  
January 21, 2015**

# Water Operations & System Maintenance



**The Water Operations Division installs, operates, maintains and repairs the City of Seattle water transmission and distribution systems. We perform this work 24/7/365 to protect public health and provide continuous fire flow pressure to protect public safety .**

# Water System

- **SPU serves more than 1.3 million customers daily both retail and wholesale**
- **130 million gallons used per day on average**
- **104,000 acres in two protected watersheds, three wells**
- **1900 miles of transmission & distribution pipes**
- **6 underground reservoirs**
- **400 million gallons of treated water storage**
- **18,000 fire hydrants**
- **60,000 valves**

# Water Operations & System Maintenance

The WO Division has 135 staff. The division is divided into 4 functional areas. These areas perform the operations and maintenance (O&M) functions as well as Capital Improvements Projects (CIP) for the water system.

- **Transmission - Gisela Sanabria (25 staff)**
- **All City Distribution – Dave Guarin (36 staff)**
- **North Distribution - Lin Ruchty (37 staff)**
- **South Distribution – Sean Corr (35 staff)**

# Transmission



Woodinville 2013

## Transmission Section

- Lake Young's & Tolt River Watersheds & Reservoirs
- Transmission Pipelines & Appurtenances
- Transmission right of ways
- Dam Maintenance/Safety
- Transmission Locating

# All City Distribution



## All City Distribution

- All City Hydrant Crews
- First Response Crews (FRC)
- All City Valve Crews
- Metering Maintenance Crews
- All City Utility Locators
- All City Vector Crew

# North Distribution



University Bridge 2007

## North Distribution

- North Unscheduled Crews (leaks)
- North New Taps Crews
- North Special Projects Crews
- North Saw Cutting Crew
- North Vector Crew

# South Distribution

## South Distribution

- South Unscheduled Crews (leaks)
- South New Tap Crews
- South Special Projects Crews
- South Saw Cutting Crew



**South Transfer Station 8" water main**





**University Village water main break - 2013**

# Questions?

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**Water Line of Business Branch**

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