



**King County**

# **Wastewater Treatment Division Update and 2018 Priorities**

**MWPAAC Meeting  
January 24, 2018**

- 
- **2017 Accomplishments**
  - **Look Ahead:**
    - 2018
    - Capital Projects

A photograph of a calm body of water, likely a lake or a wide river, reflecting the surrounding environment. The water is a deep blue, and the reflection shows a dense forest of tall, thin trees with green foliage. The sky is a pale, hazy blue. In the foreground, some dark, thin branches or reeds are visible, partially obscuring the water's surface. The overall atmosphere is peaceful and natural.

## **2017 Accomplishments**



## West Point Restoration



## West Point Monitoring

Image from the Seattle Times



**South Park Response**

# Fremont Siphon – 220 MGD



# Murray CSO/ 1 million gallon storage facility



# Ship Canal Water Quality Project



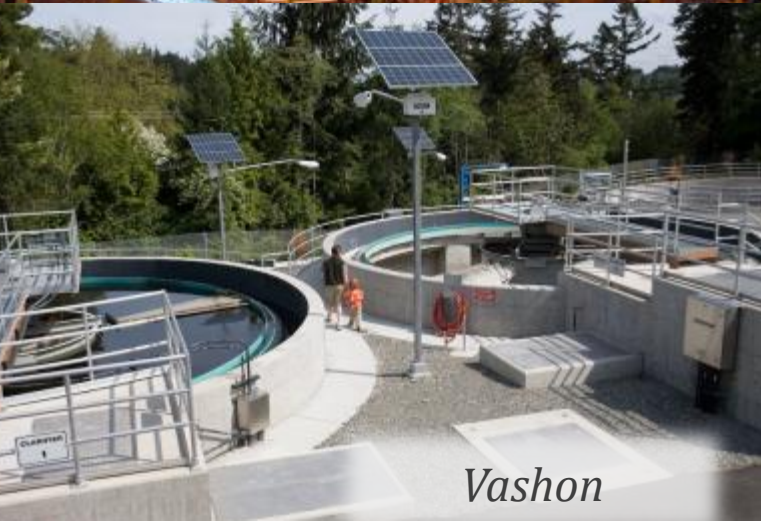
# Awards

- WTD: Utility of the Future for Biosolids Recycling
- Vashon Treatment Plant, NACWA Peak Performance Platinum Award (for 2016)
- South Plant, NACWA Peak Performance Platinum Award (for 2016)
- West Point, NACWA Peak Performance Platinum Award (for 2016)
- Brightwater, NACWA Peak Performance Silver Award (for 2016)
- Carnation, NACWA Peak Performance Gold Award (for 2016)
- Fremont Siphon Project, Best Public Project over \$10M, NW Construction Consumer Council
- Barton CSO Control Project, Outstanding Civil Engineering Achievement Water Resources, American Society of Civil Engineers - Seattle Section
- WTD: Outstanding Leadership & Support by an Org, Pacific Northwest Section of the American Water Work Association
- South Plant, Outstanding Wastewater Treatment Plant Award (2016), Ecology
- Brightwater Reclaimed Water Treatment Plant, Outstanding Wastewater Treatment Plant Award (2016), Ecology
- Carnation, Outstanding Wastewater Treatment Plant Award (2016), Ecology
- Jeff Lundt received the *Heart & Soul Award - Outstanding Service & Exceptional Devotion to Activities* from the Pacific Northwest Section of the American Water Work Association

# Plant Operations – Awards



*Carnation*



*Vashon*

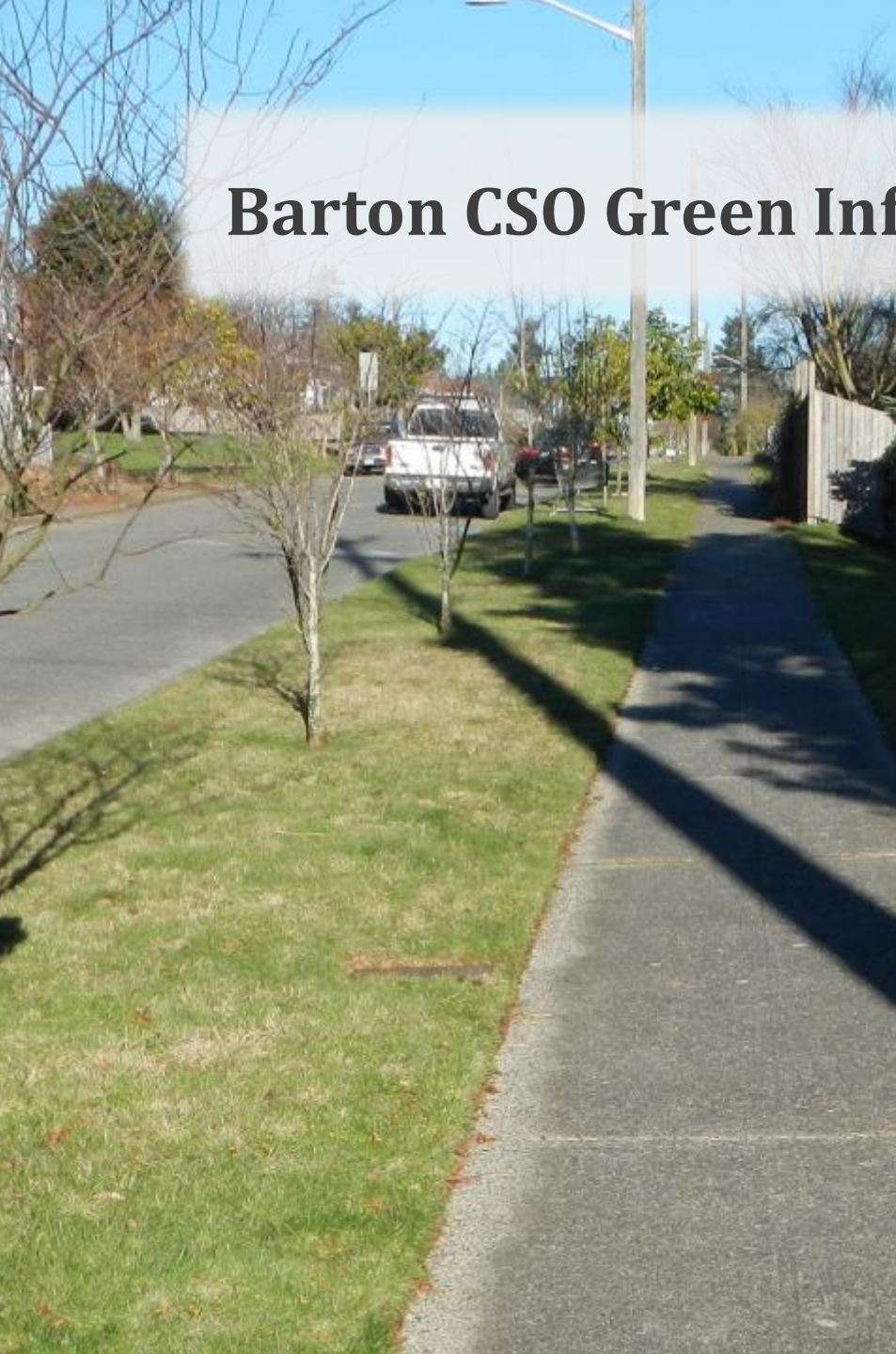


*Brightwater*



*South Plant*

# Barton CSO Green Infrastructure



# Puget Sound Energy Grant



# Operator-in-Training Academy



# Finance & Administration



# Finance & Administration



# Pollution Control & Environmental Cleanup



# Education, Community Outreach & Equity



# Resource Recovery & Sustainability



A photograph of a calm body of water, likely a lake or a wide river. The water is a deep blue, reflecting the sky and the surrounding trees. The reflections are slightly blurred, giving a sense of depth. On the left side, there are some bare, thin branches of trees reaching into the frame. The overall atmosphere is peaceful and natural.

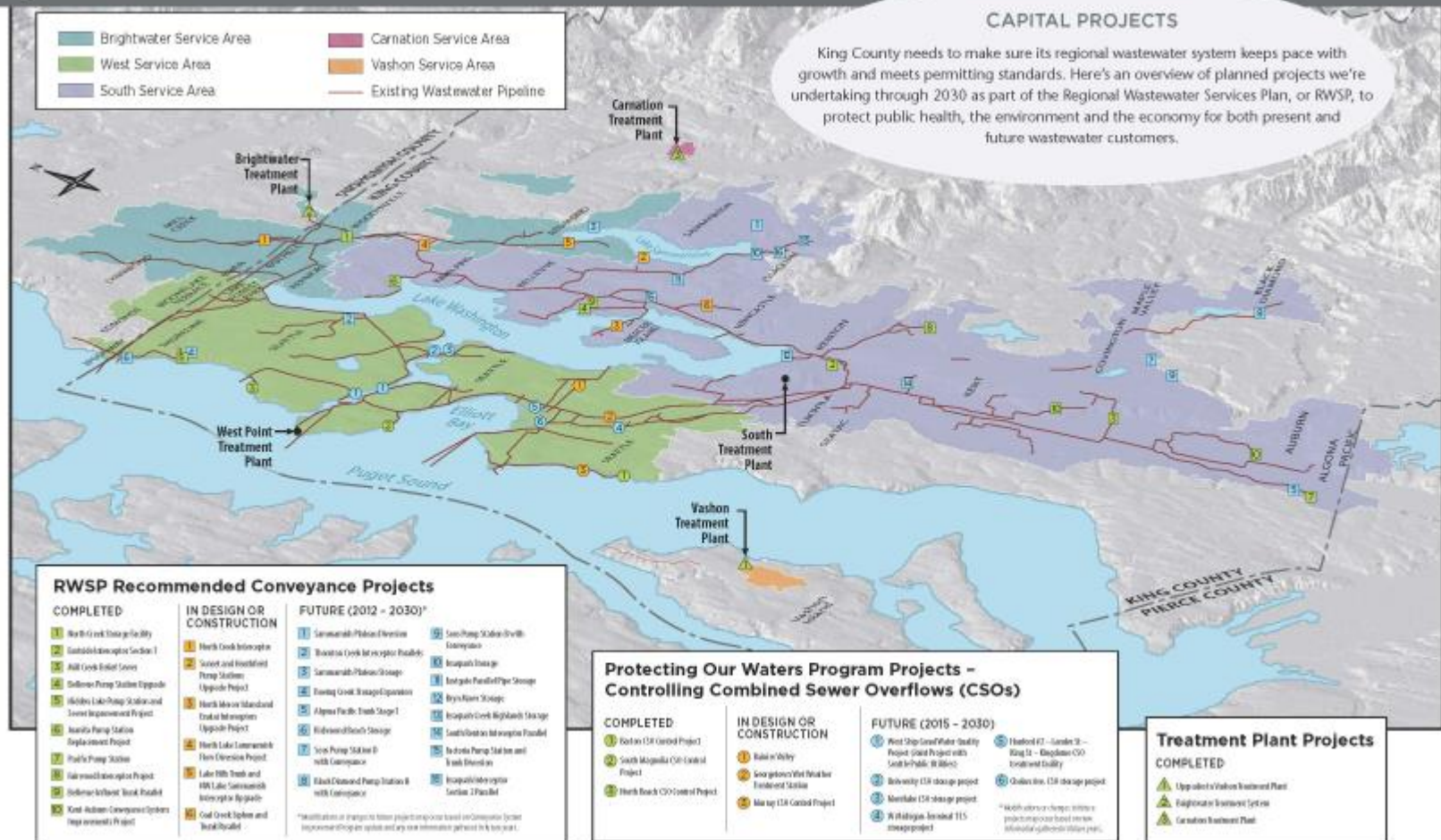
**Look Ahead - 2018**

## Safe & Respectful Workplace



# Strengthening Partnerships

## System Investments



## System Planning

# Strengthening Partnerships


## Proposed Regional Wastewater Contract Provisions Summary – December 14, 2016

Issue	Goal of Guiding Principle	Existing Contract Provision(s)	New Contract Provisions Summary	Benefit(s) of This Change
<b>Governance</b>	Develop a governance structure that establishes more of a partnership approach between King County and component agencies on wastewater issues. The new Operating Board structure is intended to: provide a stronger voice for contract agencies; provide more clarity and transparency, including clearly defined roles on specific issues; create a more efficient way for the County to engage, consult with and partner with contract agencies; and create a mechanism for flexibility to deal collaboratively and transparently with future unplanned or unexpected issues.	None	Establishes a new Operating Board and commits jurisdictions to work together on state legislation that would enable the Operating Board to replace MWPAAC. Operating Board roles would be clearly defined and specific roles articulated for each issue. No change to Regional Water Quality Committee (RWQC) and its focus on policy issues. New contract would also specify how Operating Board members are selected and how voting occurs.	Contract Agencies benefit by having more clarity and transparency in the governance process, and have a stronger voice in how King County operates the County wastewater treatment system. King County benefits by having a clearer and more efficient process for engaging with customers and contract agency partners. Both Contract Agencies and King County benefit from a more partnership oriented approach.



*MWPAAC/Operating Board*

# Capital Program/ Portfolio Management

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- A group of people are seated around a large conference table in a meeting room. In the foreground, a man with grey hair and glasses, wearing a blue and white checkered shirt, is gesturing with both hands while speaking. Other participants are visible in the background, some looking towards the speaker and others looking at their laptops. The room features a whiteboard on the left, a large black screen on the right, and a clock on the wall. A laptop and a coffee cup are on the table in the immediate foreground.
- Asset Management
  - Resource Recovery
  - Regulatory
  - Operational Enhancements
  - Capacity Improvements
  - Resiliency



**Life/Safety Management**

A photograph of a calm body of water, likely a lake or a wide river, reflecting the surrounding environment. The water is a deep blue, and the reflection shows a dense forest of tall, thin trees with green foliage, mirrored by a bright, hazy sky. The reflection is slightly blurred, giving it a dreamy quality. In the foreground, some dark, thin branches of trees or shrubs are visible, partially obscuring the water's surface. The overall mood is peaceful and natural.

## **Look ahead – Capital Projects**



**Georgetown Wet Weather Station**



**North Creek Interceptor**



**North Mercer Island/Enatai**



## Lake Hills Trunk

## Other projects

- Pipeline Repair -- South Magnolia CSO project.
- Rainier Valley Wet Weather Storage Facility completion & restoration
- Survey and geotechnical work -- Coal Creek Sewer Upgrade



*Lake Hills/East Lake Sammamish geotechnical Work*

A serene landscape photograph featuring a calm lake in the foreground, reflecting the warm, orange and yellow hues of a sunset sky. In the middle ground, a dark silhouette of a forested ridge is visible, with mist or low clouds settling in the valleys. The background consists of jagged mountain peaks under a sky filled with soft, horizontal cloud layers. Pine branches with needles are silhouetted against the sky in the upper left and lower left corners. A semi-transparent white rectangular box is positioned in the upper right quadrant, containing the text "And more to come...".

**And more to come...**