

Presented for UCI CEE on December 1, 2021

by

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ORANGE COUNTY WATER DISTRICT (OCWD)

- Formed in 1933 by California Legislature
 - -Manage the OC Groundwater Basin
 - -Protect rights to Santa Ana River water
- Provide groundwater
 - -19 municipal and special water districts
 - -2.5 million customers in north & central OC



• Basin provides 77% of the water supply for north & central OC











Seawater Barrier (36 well sites)

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Recharge **Basins** in **Anaheim**

Highly Treated Wastewater

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Microfiltration (MF)





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Ultraviolet Light (UV) Reverse Osmosis (RO) with Hydrogen Peroxide





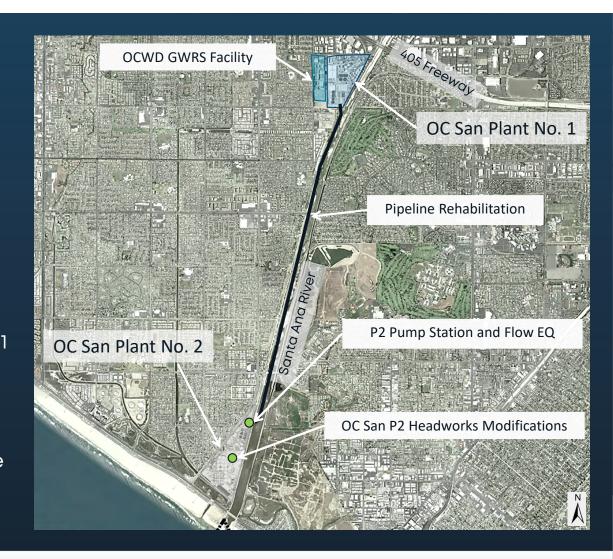
Brine Sent to OC San

Current GWRS Facility:

- Produces <u>100 MGD</u> of purified water
- Influent is from OCSD Plant No. 1
- Designed to accommodate a final expansion

Expanded GWRS Final Expansion Facility:

- Will produce <u>130 MGD</u> of purified water
- Influent will be from OC San Plant No. 1 and OC San Plant No. 2 (Huntington Beach)
- Includes Conveyance Facilities from OC Sab Plant No. 2
- Includes segregated non-reclaimable influent flows



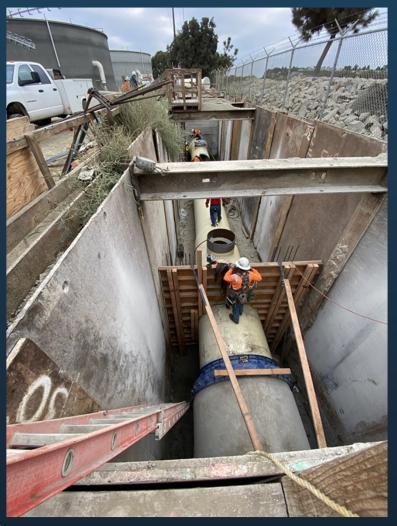




Construction Phase of the GWRSFE Project











Questions?

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