

City of Beaumont

Salt Mitigation and RW Project Update

May 3, 2022



Strength through History & Innovation

Construction Update – December 2018



Construction Update – Current



Construction Update – Current



Construction Update – Current



Outstanding Items

- Sludge piping - replacement of existing WAS pipes
- Ground cover and erosion control
- Minor road modifications for sludge trucks
- Minor centrifuge modifications
- Brineline vents to relieve airlocking at siphon

Project Schedule

- Construction complete - October 2022
- Regional Board Discharge Permitting – June 2022 (est.)
- Department of Drinking Water RW Permit – Dec. 2022 (est.)

Waste Discharge Requirements & Master Recycling Permit

- Reviewing draft permit
- Scheduled for adoption at June 2022 Board Mtg.
- Interim TDS limit until end of 2022 to account for RO system being offline
- TDS makeup compliance timeline changed from January 2025 to January 2027
 - Assumes RO back online by September 2022
 - Run 4 or 5 RO units until 2027
 - This potentially max out City ownership in IEBL and OCSD
- TIN makeup compliance changed from January 2025 to January 2027
- Groundwater recharge using RW or FAT will require a permit amendment

Department of Drinking Water – Permit to Produce RW

- UV Validation study complete in October 2021
- Final inspection by DDW following completion of construction
- RW Permit to produce recycled water issued following final inspection – December 2022 (est.)

Department of Drinking Water – Permit to Distribute RW

- BCVWD is the approved purveyor of recycled water in Beaumont
- Unaware that the permitting process has begun
- Estimated timeline for permitting is 18-24 months after inception

Max Benefit Agreement

City of Beaumont Requirements

- Reduce salts (TDS) and Nitrogen (TIN) in the WWTP effluent
- Remove excess TDS and TIN discharged since permit inception in 2015
- Produce and distribute recycled water over the groundwater basin

BCVWD Requirements

- Distribute recycled water over the groundwater basin

Questions & Discussion

