

Public Utilities Department
Pure Water Program

Phase 2 Refinements Update

Metro JPA Technical Advisory Committee
February 19, 2020





Phase 2 Studies

- Phase 2 – Total 83 mgd Purified Water by end 2035
- 2012 Recycled Water Study
- 2018 – 2019 Alternatives Conceptual Level-Analysis
 - High Level Assessment of Alternatives
 - Collaborative Effort with Metro TAC
 - Narrowed Alternatives for Further Refinement
- 2020 Phase 2 Alternatives Refinement
 - Develop Alternatives Definition, Feasibility and Cost
 - Collaborative Effort with Metro TAC

Alternatives include

Combinations of:

- CA Water Reclamation Plant
 - Point Loma WIP
 - Harbor Drive
- CAPure Water Facility
 - Harbor Drive
 - Mission Valley
- Options With and Without:
 - Waiver / Secondary Equivalency
 - Padre Dam 11.5 mgd ECAWP part of a “regional” 83 mgd solution
 - Brine / Treated Centrate Bypass PLWWTP directly to Point Loma Ocean Outfall





Phase 2 Alternatives Being Considered

Alternative	Options
1 – CAWRP at Harbor Drive (CAPWF at Mission Valley or co-located at Harbor Drive)	With and without Waiver / Secondary Equivalency With and without Regional Pure Water Production With and without Brine/Treated Centrate Bypass to PLOO
3 – CAWRP at PLWTP (CAPWF at Harbor Drive)	With and without Waiver With and without Regional Pure Water Production All Options with Brine/Treated Centrate Bypass to PLOO



Phase 2 Refinement Schedule

Activity	Date
Task Order NTP	December 2019
Special Studies	January 2020 – April 2020
Alternative Refinement	April 2020 – May 2020
Metro TACupdate	May 2020
Alternative Evaluation (Cost and Qualitative)	June 2020 – September 2020
Metro TACupdate	October 2020
Technical Memo Preparation	October 2020 – January 2021
Final Technical Memorandum	February 2021

