



Monterey County Water Resources Agency

Recycled Water Projects Update

November 20th, 2025

CSIP Condition Assessment Project & Master Plan



- **Work began in November 2024 for a Phased Condition Assessment for the CSIP system**
- **Phase 1 (Complete)**
 - Prioritizing and evaluating the critical infrastructure
 - Planning for thorough & strategic in-field condition assessments
 - Maintenance plan, repairs, and record review; database, asset management and documentation creation assistance
- **Phase 2A (Amendment completed & kickoff began Oct 21st)**
 - Finalization of inspection plans for implementation with accurate cost estimates for field activities for Ph 2B
 - Support for addressing data gaps from Ph 1
- **Phase 2B (To contract once 2A is complete)**
 - Funding dependent field condition assessments of priority WRA CSIP assets
- **Condition Assessments critical to support the CSIP Master Plan effort which can not proceed**

Salinas Valley Reclamation Project- 21kV Switchgear

21kV Switchgear Replacement Design Project

- 21kV switchgear is the main electrical gear that provides electrical power to SVRP
 - If switchgear goes down or fails, SVRP will be inoperable for an unknown amount of time
 - Estimates for replacement have ranged from 3-10 million
- M1W leading the project to develop the replacement plans and finalize the cost for project implementation
- Now in contract and 60% Design has been completed
 - Current project plan is estimated to cost 5-7 million over 3 years
- Contractor will take design to 100% but will hold off on preparing Request for Bids until project funding is secured
 - 100% designs estimated to be completed near the end of November 2025

CSIP Hydraulic Model & Optimization Project

Hydraulic Modelling Project for Pipeline and Distribution System

- Updated to a new modeling format and added calibration efforts to improve on the old system model
- With the revised Model, usage scenarios were modeled to determine system capacities and flow limits
 - Technical Memorandum has been finalized with results and summary
- Optimization projects were reviewed to address the system limitations
 - Three Capital Improvement projects proposed and initial designs have been completed
 - In-system storage tanks for source/volume supply for high demand periods- Est. Cost 33 Million
 - Second pond outlet pipeline to provide a secondary river crossing- Est. Cost 25 Million
 - Check valve in CSIP line FF0 loop to assist in Espinosa Booster Station optimization- Est. Cost \$640,000

Recycled Water Usage Permit Migration & Title 22 Engineering Report

- Existing CSIP RW Usage permit (WDR 97-52) from RWQCB was reviewed by Control Board staff and a migration to a new General Water Order for Recycled water usage is required
- Draft Revised T22 Engineering Report and Notice of Intent submitted to RWQCB in May
- Division of Drinking Water (DDW) has completed reviewing
- RWQCB currently reviewing documents
- Comments will be submitted back to Agency and pathway to new order will be laid out with revisions, additions, etc.



RW Usage Permit Migration & Title 22 Engineering Report- cont.

- **Addressing updates in RW usage requirements since CSIP commencement ~ 30yr ago**
 - Installing new compliant labels and signs throughout usage area and on turnouts/ RW access points
 - Creating RW User Handbook for compliance and trainings for users
 - Drafting an updated CSIP Ordinance to comply with updated requirements and regulations



CSIP Seawater Intrusion Map & Well Status

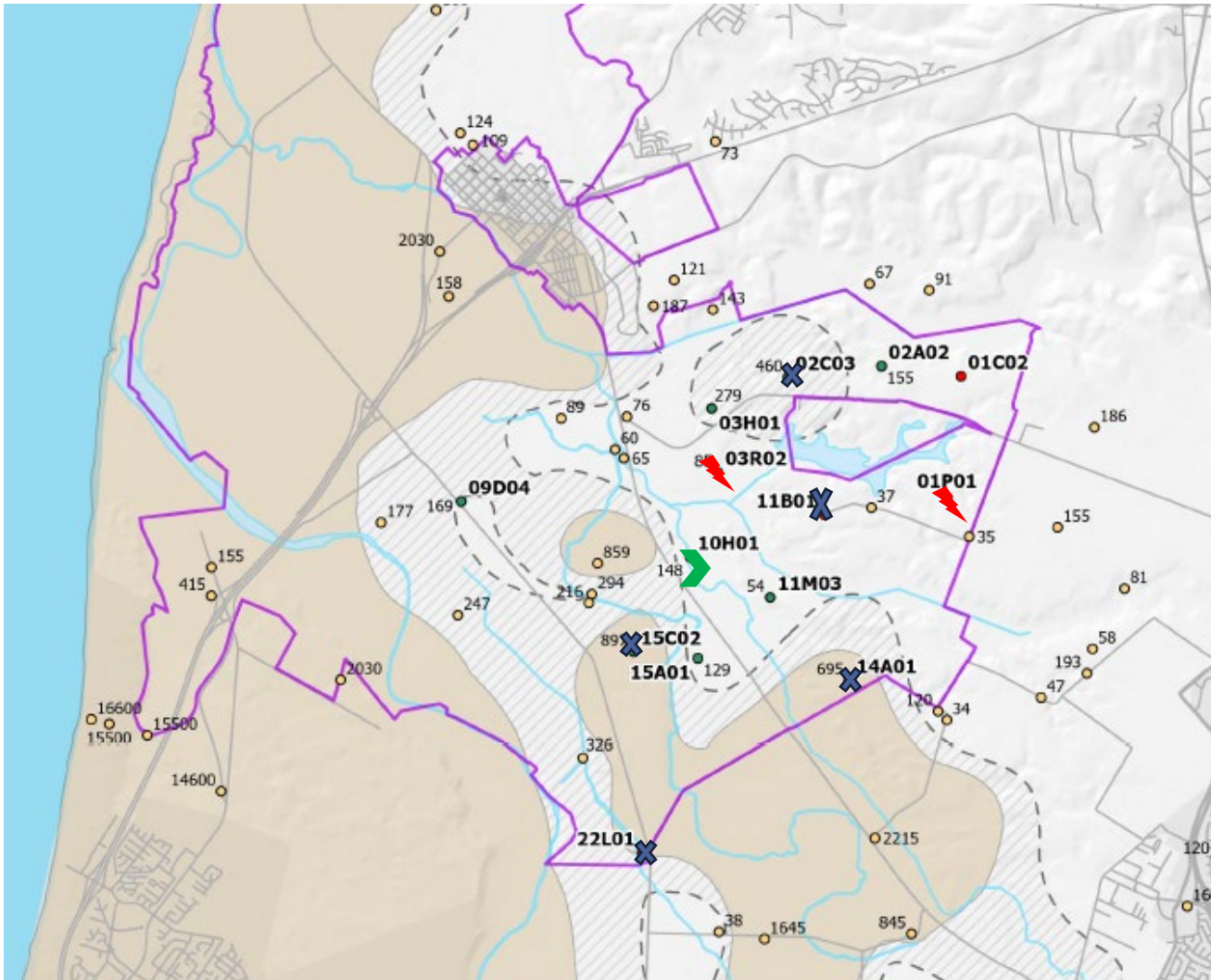
X Destroyed

➤ Offline-TBR

 Offline-TBD

CSIP Supplemental Wells:

- 6 Operational
- 2 Destroyed recently
- 2 Offline for issues (TBD -To Be Determined)
- 1 Offline for repairs (TBR- To Be Repaired)
- 11 wells destroyed in past years

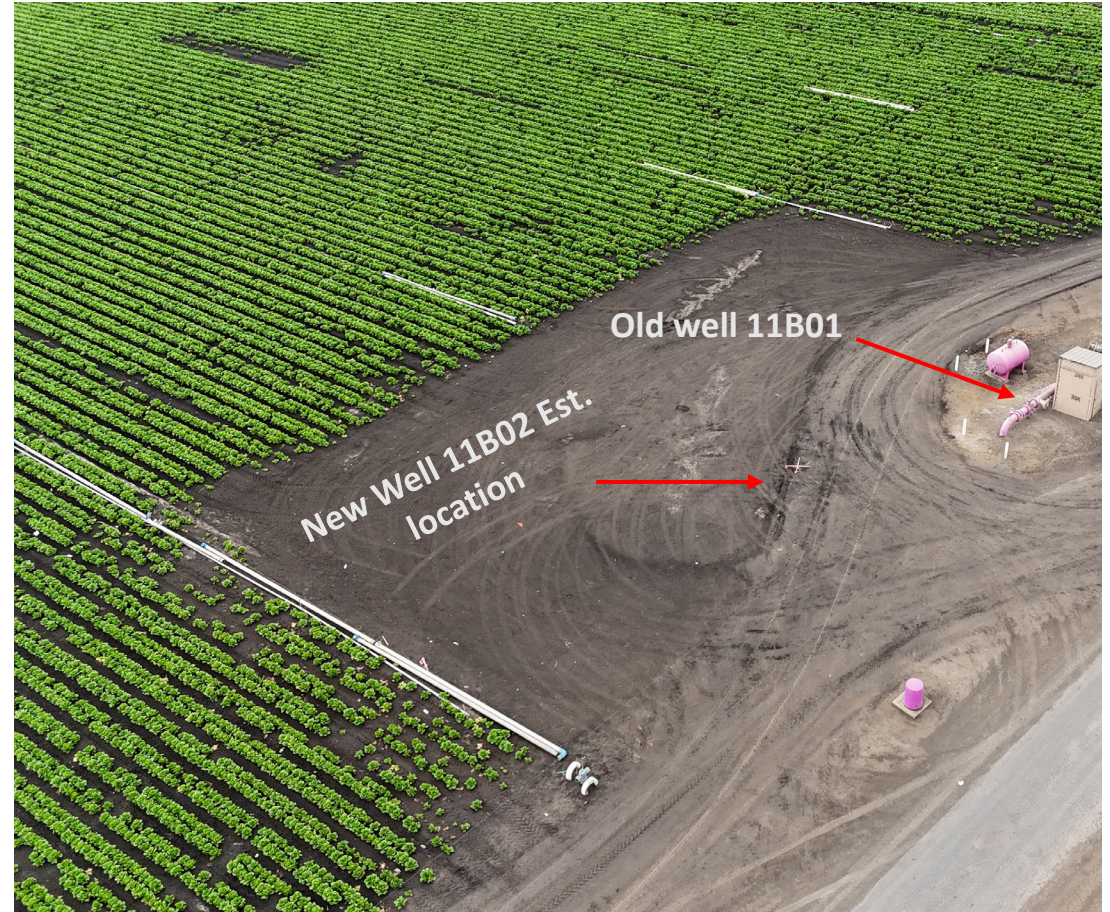


Important Notes:

- WQ values on map are the average of two WQ samples taken in June and August
- Well 02C03 average for year is 460mg/L but last sample taken had a value of 502mg/L
- Tan outline is projected exceedance of 500mg/L of Cl threshold
- Dashed outline is 250mg/L of Cl

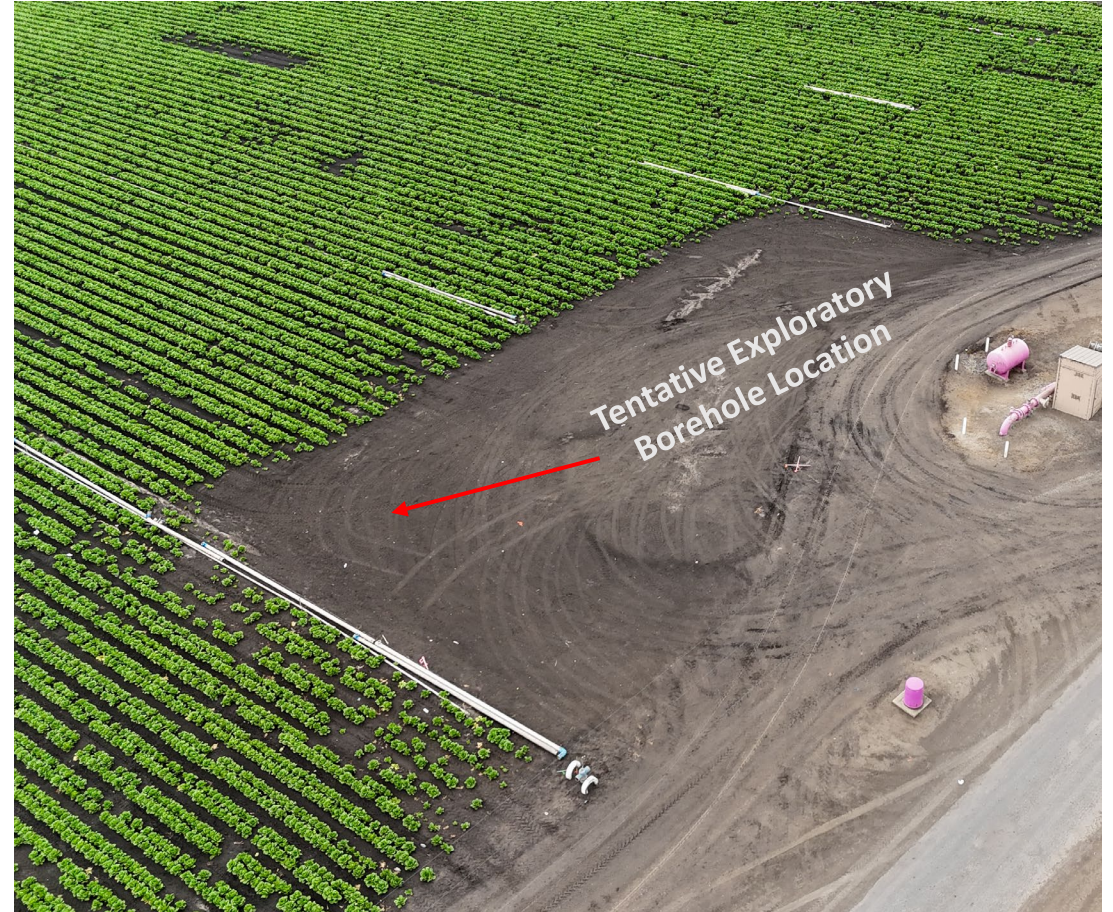
CSIP Supplemental Well Replacement Project

- **Replacement Well 11B02**
- Partially Federal Grant funded project to replace a structurally compromised well in the CSIP Distribution system
 - Currently evaluating funding solutions for difference of total project cost to grant reimbursement amount (currently \$600k difference)
- Federal Funding Status:
 - Environmental Impact Analysis underway for NEPA
 - Finalizing Tribal Consultation Process to comply with AB52 requirements
 - Grant agreement to follow once CEQA/NEPA complete



CSIP Well Replacement Project Support

- Data collection effort for 11B02 Final Well Design- Completed in October
- Onboarded Hydrogeologist consultant tasked:
 - Complete an exploratory borehole at the site
 - Collect geophysical and geological data from borehole surveys and cutting analysis
 - Assist Agency in Final Well Design ahead of Replacement Well Project with data analysis complete
 - Currently evaluating collected data to revise and finalize Well Design
- Benefits:
 - Expedited final well project
 - Materials will be preordered and delivered for construction
 - Cost savings with less standby time and smooth transitions in steps, less stops
 - Remove uncertainties in final well project such as completed depth, perforated intervals, and final cost



Conclusion

- Questions?

