AGENDA
IRVINE RANCH WATER DISTRICT
ENGINEERING AND OPERATIONS COMMITTEE MEETING
TUESDAY, MARCH 18, 2025

This meeting will be held in-person at the District's headquarters located at 15600 Sand Canyon Avenue, Irvine, California. The meeting will also be broadcasted via Webex for those wanting to observe the meeting virtually.

To observe this meeting virtually, please join online using the link and information below:

Via Web: https://irwd.webex.com/irwd/j.php?MTID=m2b76d44c0c2a14a171b3103619028038
Meeting Number (Access Code): 2489 679 9047
Meeting password: XBcdKM2tm77

PLEASE NOTE: Webex observers of the meeting will be placed into the Webex lobby when the Board enters closed session. Participants who remain in the "lobby" will automatically be returned to the open session of the Board once the closed session has concluded. Observers joining the meeting while the Board is in closed session will receive a notice that the meeting has been locked. They will be able to observe the meeting once the closed session has concluded.

CALL TO ORDER 1:30 p.m.

ATTENDANCE
Committee Chair: Daniel Ferons _____
Committee Member: John Withers _____

ALSO PRESENT

Paul Cook	_____	Kevin Burton	_____	Wendy Chambers	_____
Neveen Adly	_____	Paul Weghorst	_____	Steve Choi	_____
Jim Colston	_____	Jason Manning	_____	Jose Zepeda	_____
Eric Akiyoshi	_____	Malcolm Cortez	_____	Jacob Moeder	_____
Harry Cho	_____	Alex Murphy	_____	_____	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

PUBLIC COMMENT NOTICE

If you wish to address the Committee on any item, please submit a request to speak via the "chat" feature available when joining the meeting virtually. Remarks are limited to three minutes per speaker on each subject. Public comments are limited to three minutes per speaker on each subject. You may also submit a public comment in advance of the meeting by emailing comments@irwd.com before 8:00 a.m. on Tuesday, March 18, 2025.

COMMUNICATIONS

1. Notes: Burton
2. Public Comments
3. Determine the need to discuss and/or take action on item(s) introduced that came to the attention of the District subsequent to the agenda being posted and determine which items may be approved without discussion.

ACTION

4. MANNING PUMP STATION REPLACEMENT CONSULTANT SELECTION – MAI / MURPHY / CORTEZ / BURTON

   Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with Lee & Ro, Inc. in the amount of $299,700 for engineering design services for the Manning Pump Station Replacement, Project 13191.

5. CHARGE READY PARTICIPATION AGREEMENTS AND PURCHASE OF ELECTRIC VEHICLE CHARGING STATIONS – HUANG / SANCHEZ / WEGHORST

   Recommendation: That the Board authorize the General Manager to execute the Charge Ready Infrastructure and Rebate Participation Agreement and the Charge Ready Transport Program Participation Agreement with Southern California Edison subject to non-substantive changes approved by legal counsel and authorize the General Manager to execute agreements for the purchase and installation of the required Charge Point electric vehicle chargers.

6. LONG-TERM CAPITAL PROGRAM AND CAPITAL BUDGET FOR FISCAL YEARS 2025-26 AND 2026-27 – ROBINSON / AKIYOSHI / BURTON

   Recommendation: That the Committee provide comments on the Long-Term Capital Program and Capital Budget for Fiscal Years 2025-26 and 2026-27 prior to Board adoption on March 24, 2025.

OTHER BUSINESS

7. Directors' Comments
8. Adjournment

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Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the above-named Committee in connection with a matter subject to discussion or consideration at an open meeting of the Committee are available for public inspection in the District's office, 15600 Sand Canyon Avenue, Irvine, California ("District Office"). If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available from the District Secretary of the District Office at the same time as they are distributed to Committee Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available electronically via the Webex meeting noted. Upon request, the District will provide for written agenda materials in appropriate alternative formats, and reasonable disability-related modification or accommodation to enable individuals with disabilities to participate in and provide comments at public meetings. Please submit a request, including your name, phone number and/or email address, and a description of the modification, accommodation, or alternative format requested at least two days before the meeting. Requests should be emailed to comments@irwd.com. Requests made by mail must be received at least two days before the meeting. Requests will be granted whenever possible and resolved in favor of accessibility.

March 18, 2025
Prepared by: N. Mai / A. Murphy / M. Cortez
Submitted by: K. Burton
Approved by: Paul A. Cook

ENGINEERING AND OPERATIONS COMMITTEE

MANNING PUMP STATION REPLACEMENT CONSULTANT SELECTION

SUMMARY:

The Manning Pump Station Replacement project will demolish the decommissioned Manning Water Treatment Plant and replace the existing Manning Pump Station. Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with Lee & Ro, Inc. in the amount of $299,700 for engineering design services for the Manning Pump Station Replacement.

BACKGROUND:

The Santiago Canyon Pump Station Improvements project is currently under construction to replace four existing pump stations in Silverado, Williams, and Modjeska Canyons. IRWD's contractor started work at the Williams Pump Station, then proceeded on to Shaw Pump Station. The work at Manning Pump Station was to follow Shaw, with Read Pump Station planned as the last site in the sequence of construction. During the construction phase it was decided to permanently decommission the Manning Water Treatment Plant due to its age and cost of operation. The facilities at the Manning site include the water treatment plant and the existing pump station, both constructed by the former Santiago County Water District. The decommissioning of the treatment plant meant it could be demolished and thus allow better utilization of the confined site, as well as improve site access and maintenance. The planned pump station improvements at Manning were therefore removed from the scope of construction work via contract change order, and the mechanical and electrical equipment that was procured by the contractor has been turned over to the District and is being stored. The new site layout and pump station redesign will incorporate these procured components and materials. The layout of the current site condition is provided as Exhibit "A".

Consultant Selection:

Staff requested a proposal for the redesign of the Manning Pump Station from Lee & Ro, Inc. Being the engineer of record for the Santiago Canyon Pump Station Improvements that is under construction, Lee & Ro already has familiarity with the existing site conditions, the intricate details of the pump station process, and the procured components and materials. Lee & Ro's proposal detailed an approach that showed a good understanding of the effort to reevaluate the new site conditions and to design the new facility using the materials and equipment already procured for Santiago Canyon Pump Station Improvements project. Lee & Ro's proposal is provided as Exhibit "B". Based on Lee & Ro's unique knowledge and experience, staff recommends the selection of Lee & Ro, Inc. to provide design services for this project.

FISCAL IMPACTS:

Project 13191 is included in the Fiscal Year 2025-26 Capital Budget. The current budget and Expenditure Authorization are sufficient for this work.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA). In conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, the appropriate environmental document will be prepared when "meaningful information" becomes available.

RECOMMENDATION:

That the Board authorize the General Manager to execute a Professional Services Agreement with Lee & Ro, Inc. in the amount of $299,700 for engineering design services for the Manning Pump Station Replacement, Project 13191.

LIST OF EXHIBITS:

Exhibit “A” – Site Map
Exhibit “B” – Lee & Ro’s Proposal

Exhibit "A"

IRWD - MANNING PLANT

0 25 50 100 Feet

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Irvine Ranch Water District

PROPOSAL FOR

Engineering Design Services for the Manning Pump Station Replacement

February 6, 2025

Proposal by:

LEE+RO

WATER INFRASTRUCTURE ENGINEERS

1199 S. Fullerton Rd.,
City of Industry, CA 91748
626-912-3391 lee-ro.com

LEE+RO
WATER INFRASTRUCTURE ENGINEERS

Celebrating 40 years
as partners in possibility.

10085 Carroll Canyon Rd., Suite 210
San Diego, CA 92131

858-332-4287
lee-ro.com

February 6, 2025

Mr. Nhan Mai, PE
Irvine Ranch Water District
Engineering Department
15600 Sand Canyon Ave,
Irvine, Ca 92618

RE: Engineering Design Services for the Manning Pump Station Replacement

Dear Mr. Mai:

The Irvine Ranch Water District (IRWD) is one of LEE + RO's most valued and important clients. We are excited for the opportunity to continue and expand our relationship with IRWD. LEE + RO has successfully delivered numerous pump station projects in the past, specializing in condition assessment, preliminary and final design, and construction support services.

LEE + RO's team is committed to meeting the project's fast delivery schedule. Our team is staffed with multi-disciplinary engineers that allows for quick coordination and decision making for projects such as this. The team will be led by **Amritendu Maji, PE,** who will be **Project Manager** and has over 25 years of experience. The undersigned, who is a licensed "Civil" and "Electrical" Engineer with over 20 years of hands-on pump station experience will also provide technical guidance to the team. Through previous engagements with IRWD, we is familiar with your standards, expectations, culture, and desired methods of communication and collaboration.

Our team has worked on several IRWD pump stations over the years, and clearly understands IRWD's processes, goals, and standards. We had designed the replacement to the Manning Pump Station, which was used as the basis for ordering the pumps and other equipment that IRWD has mentioned in the RFP. We have carefully evaluated the project concerns and have developed approach and ideas for a speedy delivery as detailed in this proposal. Our team will allow for a smooth project and District peace of mind.

Our seasoned team of engineers and quality control staff will ensure constructability is built into the plans. This will allow for an economical and a well-coordinated construction process.

LEE + RO sincerely appreciates the opportunity to be of service to the District. If you have any questions or concerns, please do not hesitate to contact me or Amritendu Maji at Amritendu.Maji@lee-ro.com.

Respectfully Submitted

LEE + RO, Inc.

Eric Lovering, PE
Chief Engineer & Principal-in-Charge
Eric.Lovering@lee-ro.com
(858) 332-4284

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APPENDICES

1. SCOPE

LEE + RO acknowledges and does not take any exceptions to the Scope of Work (SOW) identified in the RFP. Our understanding and approach to accomplishing the work is detailed herein.

A. UNDERSTANDING:

The Irvine Ranch Water District (District) seeks to redesign the Manning Pump Station to better utilize the site due to the planned removal of the existing Manning Water Treatment Plant currently co-located on site. LEE + RO previously designed the current PR01398 Santiago Canyon Pump Station Improvements Project, which included the Manning Pump Station and three (3) other pump stations located within Santiago Canyons: Shaw, Read, and Williams PSs. This familiarity with Manning Pump Station and the District's standards will provide efficiency and cost savings to the District. With the redesign requested to maximize the current site, LEE + RO proposes the same core team to lead the project and ensure its success. It is understood that portions of the previous Manning Pump Station improvements design have already been completed, including the installation of the new generator fuel tank, retaining wall, and surge tanks, and that the District has taken possession of the equipment and materials procured by the Contractor that was intended for Manning Pump Station. Having the same design team will allow LEE + RO to pick this project back up and hit the ground running.

Based on this, the District is seeking preliminary design services to evaluate optimal new site and mechanical layout alternatives, confirm the proposed improvement's system hydraulic needs due to the decommissioning of the Manning Water Treatment Plant, and provide the final design of the preferred layout. To that end, LEE + RO has already embarked on a few layout options for the District's consideration, incorporating our intimate understanding of the current site and improved maintenance and operation considerations. As discussed, the familiarity gained and lessons learned from that project will provide better value and cost savings to the District and facilitate the designs for the Manning Pump Station Replacement.

The figure below **(Figure 1-1)** reflects the current layout, which will be reevaluated for redesign.

Figure 1-1: Existing Site Layout

Our Team's extensive knowledge and experience in water infrastructure and pipeline projects will provide the District with quality system analysis, established in-house QA/QC protocols, and a fast design process executed by our experienced team, which routinely works on these projects. Our approachable team and wealth of knowledge base will facilitate identifying key issues early, resulting in overall design efficiency to meet the Project's tight schedule. Our team is committed to excellence, integrity, and timely project delivery.

L+R will provide Engineering Design Services as outlined in the District's RFP. The services will consist of the following milestones:

- ***Technical Memorandum and 30% Concept Design***
- ***60% Design Submittal***
- ***90% Design Submittal***
- ***100% Design Submittal***
- ***Final Bid Set Submittal***

B. GENERAL APPROACH

LEE + RO's approach to each project is tailored to our clients' established goals, objectives, and schedules. Our work plans are detailed and specific to each project's requirements. In preparing this proposal, we have thoroughly reviewed the RFP and solicited proposals from teaming partners to develop a comprehensive proposal herein. We have assessed the challenges, vetted ideas internally, developed preliminary solutions, and developed our understanding, approach, scope, fees, and schedule for this project's design.

LEE + RO offers our services to provide the District with a meticulously vetted evaluation and thorough design execution for integrating the Manning Pump Station Replacement. The cornerstone for this Project will begin with the preparation of a technical memorandum, which will allow for the preliminary evaluation of hydraulic and site layout components to be fully vetted and discussed with the District. The approved determinations will then form the basis to facilitate the final design phase.

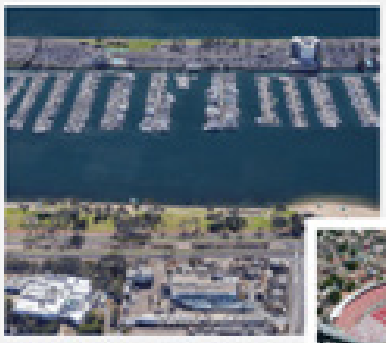
Although LEE + RO has already extensively reviewed and understands the Manning Pump Station, LEE + RO will have our industry-leading pump experts reevaluate and coordinate integrating the new system with the District's standard guidelines. LEE + RO is known throughout Southern California as a pump and lift station subject matter expert and brings significant experience in pump station projects, including multiple past and current projects for the District; please refer to our Project Experience in Section 3, highlighting our pump station design track record of projects. We present the same management team proposed for this project, **Amritendu Maji and Eric Lovering**. They recently completed a high-profile project and issued a white paper based on their experience, shown below. Our team of subject matter experts encompass an array of services that will ensure the success of this project for the District's peace of mind.

– CITY OF SAN DIEGO, CA –

Mitigating a Potential Catastrophic Sewage Spill

Sewer Pump Station No. 2
Electrical + I&C: Power Reliability and Surge Protection
Author: Eric Lovering, PE, Vice President + Chief Engineer

BACKGROUND



The City of San Diego's (City) Public Utilities Department's (PUD) Pump Station No. 2 (PS2) is the largest pump station in the City's wastewater system and handles close to 80% of the sewage flow generated by 3.3 million residents who live in the greater metropolitan service area.

The station is situated along San Diego's high-profile, picturesque, famed San Diego Bay and west of the San Diego International Airport. PS2 is capable of pumping up to 432 million gallons per day (mgd) of peak wet weather flow. This critical facility is central to the successful operation of the City's entire wastewater system; therefore, the power reliability of PS2 is of utmost importance to the City.

As a large-scale water infrastructure project, PS2 requires a total of 18,000 horsepower (hp) to convey 432 mgd of sewage to the Point Loma Wastewater Treatment Plant. To put this into perspective, PS2 has enough pumping capacity to fill a sports stadium up to the roofline with sewage in a single day!

In 2020, PS2's intake was an average daily flow of approximately 160 mgd. PS2 receives gravity flows from the 96-inch North Metro Interceptor, which serves the northern San Diego region, and the 108-inch South Metro Interceptor, which serves the southern communities of San Diego. Wastewater is collected in PS2's wet well and is then pumped into two parallel 87-inch diameter force mains to the Point Loma Wastewater Treatment Plant. These two force mains were built in 1963 and were not designed to handle a hydraulic surge event.

SITUATION

Preventing a Hydraulic Surge Event
Hydraulic surges (aka "water hammer") can occur if there is a sudden and total loss of pumping power. This sudden stopping of all the pumps can create a damaging pressure wave. Condition assessments of the City's force mains showed that these pipelines are susceptible to rupture from a hydraulic surge, which could lead to a catastrophic sewage spill into famed San Diego Bay. Not only would a sewage spill cause irreparable harm to the environment and the City's public image, but the cost of a spill could be as high as $50 to $100 million, depending on the duration and severity of the event.

We have had the privilege to work on some of the most challenging job opportunities for various clients and bring their jobs to successful fruition. Whether it was complicated groundwater issues, liquefiable soils, complex shoring near adjacent structures, blending architectural design into the community, SCADA security, or complex hydraulic analysis, LEE + RO is able to bring forward practical, constructable solutions and present them to our clients in a clear straightforward manner. Our team is confident in optimizing the layout and redesigning the new Manning Pump Station for the District.

We have already begun the preliminary design layouts using the equipment installed and would like to continue that momentum with the potential award of this project to our team.

C. TECHNICAL APPROACH & PROJECT CHALLENGES

Our team has critically reviewed the available documents disclosed in the RFP and discussed the project with various engineers who have already developed an initial design herein. Since LEE + RO primarily focuses on pump and lift station design, we can digest the information available and prioritize the engineering work to be done. This technical approach is further summarized per discipline below. Presented below are also the initial key challenges that we have identified for this project, which will require further evaluation by the District staff during the technical memorandum phase. These key challenges have been identified for the sake of the completeness of our review and to complement the preliminary analysis in the following pages.

1. DEMOLITION OF MANNING WATER TREATMENT PLANT:

As part of LEE + RO's due diligence, our team has reviewed the existing as-builts provided in the RFP and previous design considerations and identified demolition plans. Various conduits intended to be spliced and rerouted will now be de-energized and removed, allowing for a blank new site canvas for the Manning PS redesign. Removal of the existing tanks and treatment facilities will allow for the optimal placement of the pump station mechanical piping and increase driveability and maneuverability within the fence line.

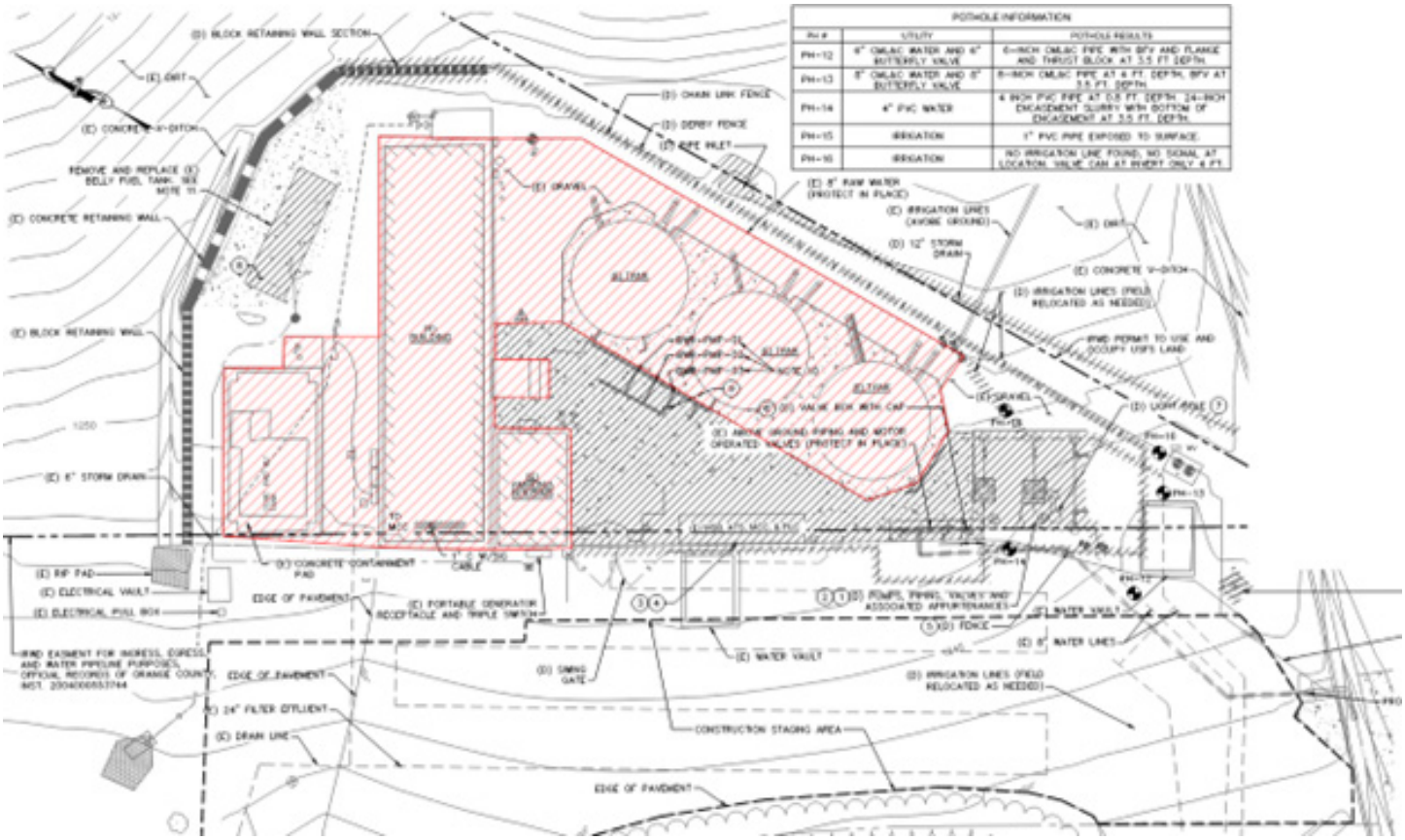


Figure 1- 2: Preliminary Demolition Update

It is understood that new equipment has already been installed as part of the ongoing PR01398 Santiago Canyon Pump Station Improvements Project not yet reflected above. This figure is intended to showcase our understanding of the current site constraints that will now be removed.

2. RESEARCH AND INVESTIGATION

Although an in-depth review and investigation of the site have already been performed as recently as 2021 for the design of the retaining wall and site grading, LEE + RO will perform additional topographic surveying to capture the most current site updates as part of the previous project's improvements by the Contractor. Topographic survey services will be performed by The Prizm Group, which has performed the previous surveys for the site. The survey will establish horizontal and vertical controls and identify specific dimensions and locations of existing infrastructure as the basis to move the design forward. These tasks, in concert with our team's thorough investigation of field conditions of the existing site, will form the basis for the final project plans and specifications.

Additionally, up to three (3) new potholes will be considered for this project to identify any potential utility conflicts and physical features within the project area. These potholes will be performed to identify and clear utilities that may conflict with the proposed layouts and for any necessary design adjustments. Below is an example flow schematic of LEE + RO's typical utility investigation protocol.

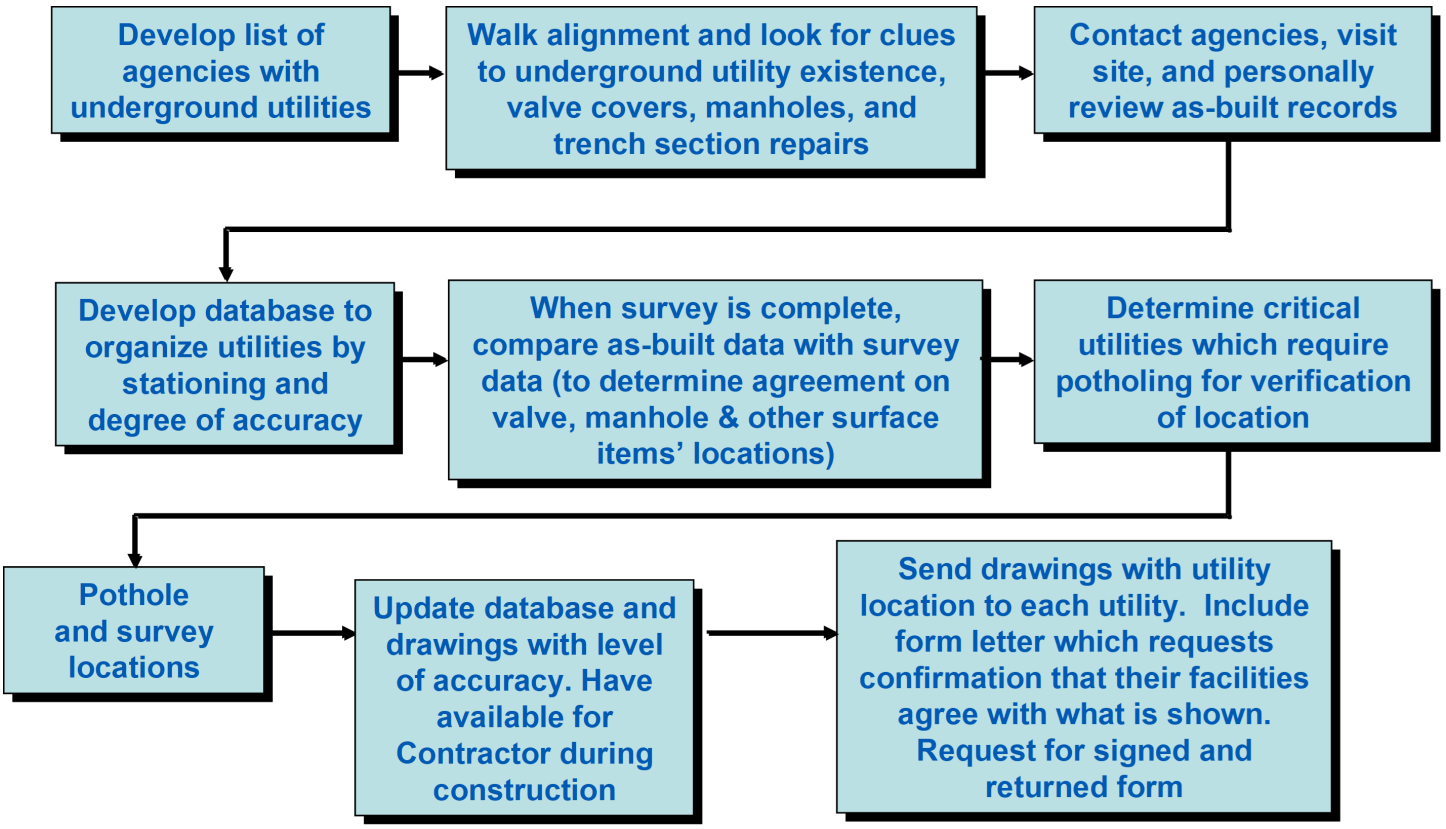


Figure 1-3: Typical Utility Investigation Protocol

The existing geotechnical investigation reports will be reviewed for general subsurface soil conditions, soil classifications, relative compaction, and soil stability requirements to be incorporated into our preliminary design layouts. These findings will be reevaluated to confirm whether additional soil investigations are required. However, a preliminary review by our structural staff has determined the previous findings remain valid. A thorough review and confirmation will be performed upon award of the project. The findings will be incorporated into our design for sub-grade and backfill recommendations and trenching and shoring requirements. Our structural experts will also incorporate the findings to accurately evaluate potential siting locations and anticipated earthwork construction costs for the site layout selected. Costs will consider the subsurface material and anticipated work required to accommodate the design solution.

3. PRELIMINARY SITE LAYOUT ALTERNATIVES:

Evaluation and design of each pump station replacement will require careful civil design and mechanical analysis. LEE + RO will build on the existing site layout to provide optimal design layout alternatives. As mentioned, LEE + RO has already identified potential layout options for the District's consideration. These layout alternatives reflect options for maintaining the newly installed equipment and relocation options for better site management if the District desires. Based on the District's objectives, LEE + RO has developed the following preliminary layout alternatives to accomplish this project.

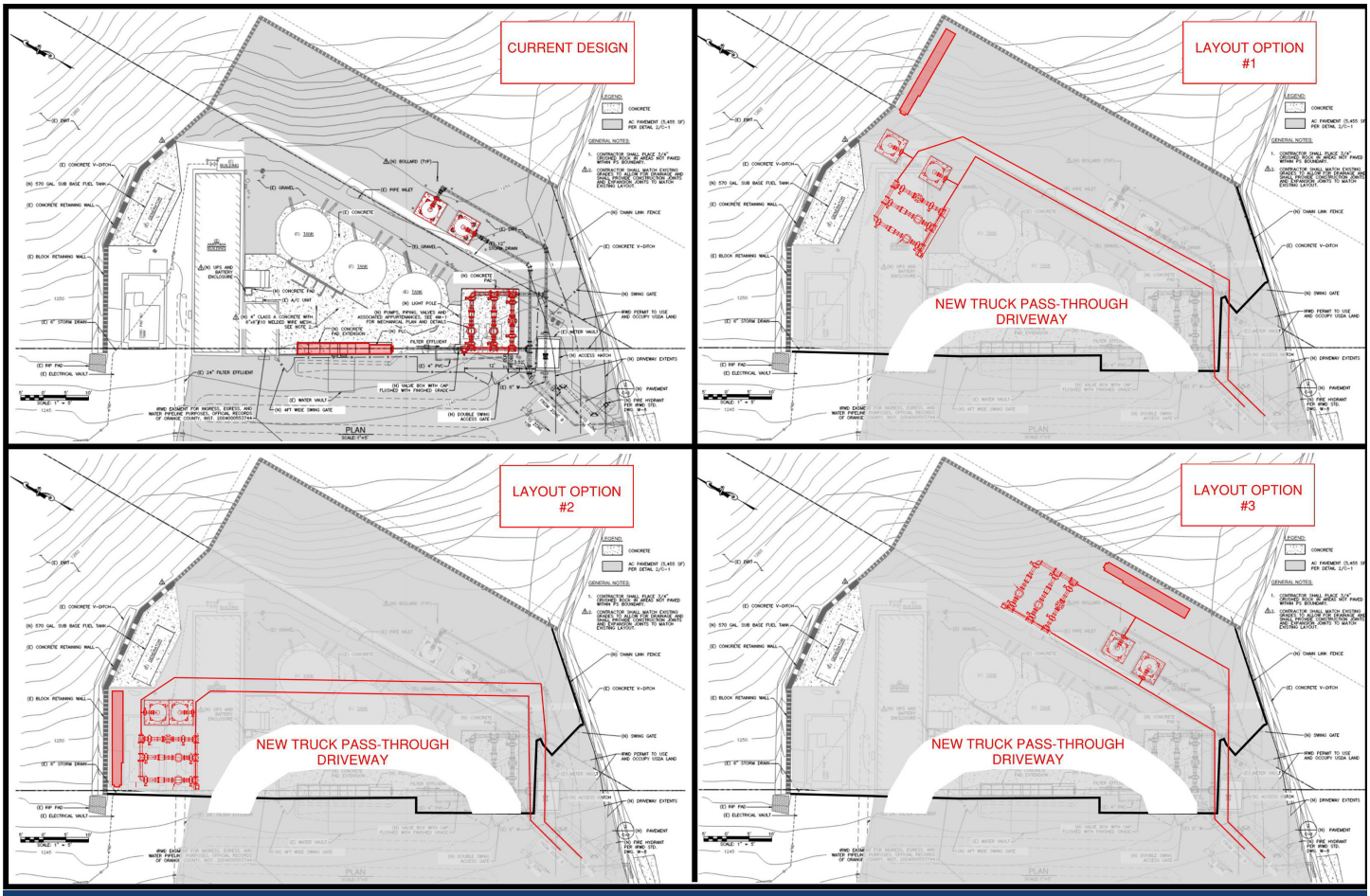


Figure 1 - 4: Preliminary Layout Alternatives Summary

These preliminary layouts provide proof of concept solutions for meeting the District's desired goals. Thes preliminary options include the installation of a new truck ingress and egress passthrough. Additionally, the layouts presented herein currently focus on new locations for the pump station piping to allow for the existing station to remain operational while substantial completion of the new location is constructed. This effort is presented to mitigate and minimize the need for temporary bypassing during testing and cutover to the new system. Once selected for this project, our team will further refine each selection in detail which will be re-evaluated, refined, and vetted thoroughly at the start of the project upon an in-depth review with District staff. LEE + RO strives to find optimal solutions for our clients. Innovative solutions are actively reviewed by our in-house experts for their feasibility with our projects. The options presented here are an effort to demonstrate LEE + RO's understanding of the project and provide examples of proven designs.

Moreover, our experienced staff will evaluate the constructability and cost associated with each alternative for the District's preferred selection. The civil designs for each alternative will include considerations for excavation, drainage, site constraints, and vehicle maneuverability. Additional site layout considerations will include site accessibility and ease of maintenance for operations staff to perform future pump maintenance safely. However, for purposes of this analysis a major factor for the design decisions herein will be the challenges for construction identified below.

4. CHALLENGES IDENTIFIED

LEE + RO has reviewed the proposed project location and performed value engineering and constructability review for the best project outcome. While the work appears relatively straightforward, there are significant challenges to anticipate and address pre-emptively. LEE + RO has identified key challenges for this project. The anticipated construction challenges for this Project are identified in **LEE + RO's Approach to Project Challenges Matrix** below, along with our anticipated approaches to resolve them. These challenges include:

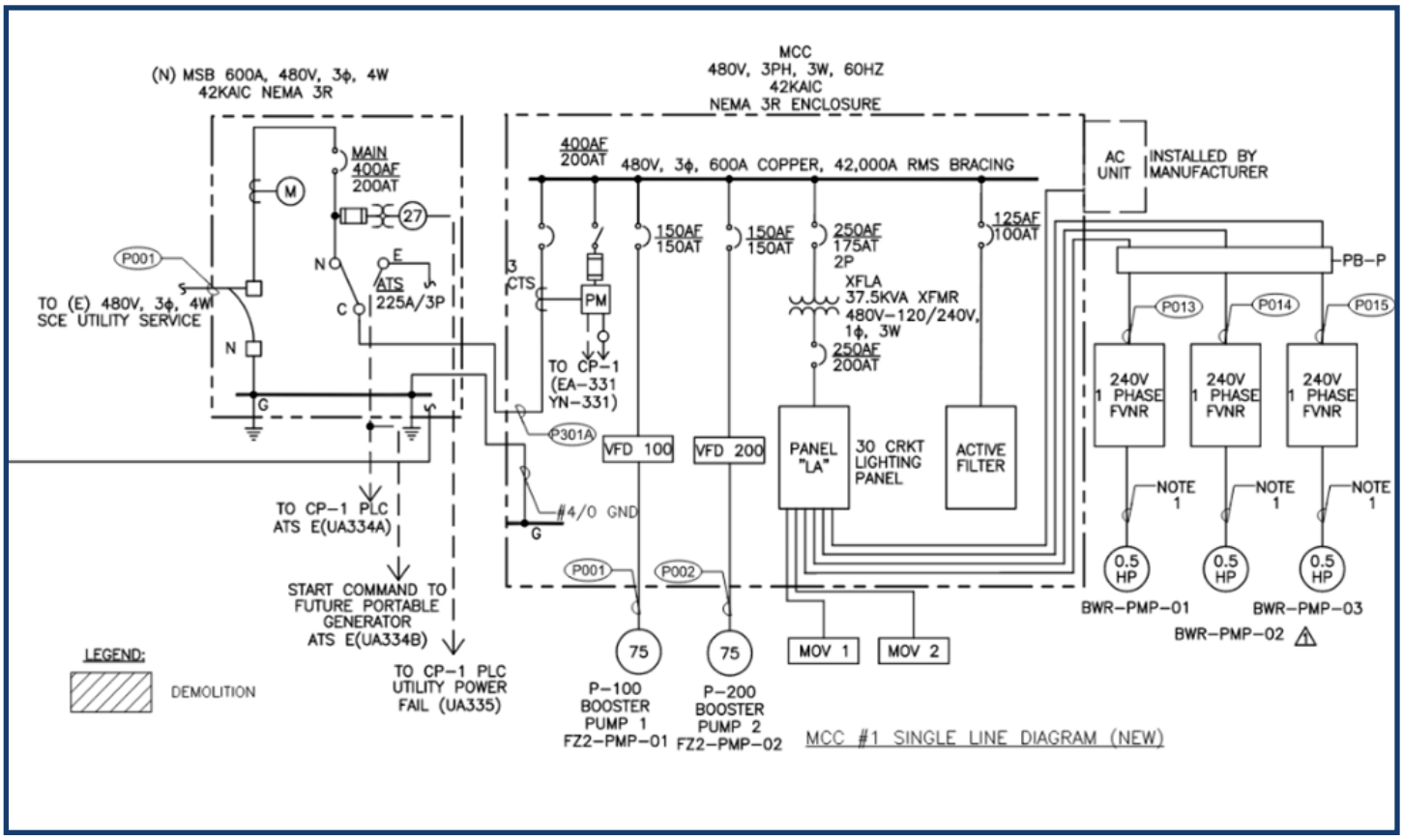
LEE + RO'S Approach to Project Challenges Matrix 1-1

PROJECT CHALLENGES	LEE + RO APPROACH
Existing Tie-In Locations	• While the removal of the Manning Water Treatment Plant provides a blank canvas, existing utility tie-in locations constrain the layout possibilities. Rerouting of existing lines may become cost-prohibitive. • However, strategic tie-in locations will be vetted to provide the most efficient use of the site. As such, current LEE +RO layouts recommend maintaining existing tie-in locations until further discussions with the District are held. • If agreeable to the District, LEE+RO will provide alternate design tie-in locations during the preliminary design phase.
Site Optimization	• Due to the new expanse of footprint available, location of the PS equipment will require strategic layout designs to maximize the accessibility and ease of maintenance for operations staff while simultaneously meeting District staff design preferences. • LEE+RO recommends early communication of preliminary layout alternatives to steer the design towards options desirable to the District. However, this approach would require several iterations to confirm removal of options determined less desirable. These options will be reflected in the Technical Memorandum. • Additionally, new pump station location options will be identified to mitigate bypass efforts required. However, this would increase excavation costs since it would likely new pipe routing of existing water lines, and more importantly, require additional trenching efforts compared to maintaining current piping.
Accurate Utility Location	• Review of existing as-built drawings and information of previous projects within the area to identify potential conflicts or critical tie-in locations. • Strategic potholes along the proposed layouts to locate potentials for conflict. • Perform a detailed site walk of the project area to confirm and determine existing conditions.

By proactively addressing these challenges and employing effective strategies, the proposed pump station replacement can be executed successfully, resulting in an improved and reliable system.

5. ELECTRICAL AND INSTRUMENTATION & CONTROL

LEE + RO utilizes in-house staff for Electrical and Instrumentation and Control (I&C) design. Our electrical and I&C engineers will work closely with our civil and mechanical team to develop the necessary controls to integrate the new system in accordance with the District's new standards. Our electrical engineers will provide a design that will ensure the new layout including pump control panels interface with the District's existing SCADA system and programmable logic control (PLC).



Site Power Analysis: Our in-house electrical staff will build on the previous single-line diagram and perform the necessary analysis to reconfirm anticipated load calculations and perform a short-circuit/coordination study as part of LEE + RO's due diligence and safe design. Our team will conduct a detailed assessment of power requirements for the proposed alternative improvements along with relocation options for the SCE service meter. Determination of additional improvements, such as the location for a new buried service or aerial drop option, will be evaluated. Furthermore, the existing emergency generator will be re-evaluated to confirm if it is sufficiently sized to provide emergency backup. Recommendations for replacing the emergency generator shall include variable frequency drives in a NEMA 4X enclosure. Coordination with Southern California Edison (SCE) will begin immediately upon determining the preferred layout to mitigate design delays.

LEE + RO routinely works with SCE to support our clients' needs. This familiarity and experience will help reduce design time spent on coordination efforts and preparation of service request forms and ensure a successful project.

Electrical Documentation: Every year, LEE + RO's Electrical and I&C Department produces hundreds of drawings encompassing many electrical and I&C work types. Typical project technical documentation includes specification writing, development of control strategies, input/output PLC or Remote I/O lists, instrumentation set points and requirements, and HMI documentation. Our staff is familiar with relevant industry standards for electrical design, including IEC, IEEE, NEMA, and ANSI.

1. SCOPE

The District has developed a detailed scope of work and lists of deliverables for the project, which LEE + RO acknowledges in its entirety. This section expands on some of the scope of work items and describes our methodology for completing the various tasks.

Task 1 – Project Management

LEE + RO will conduct project management activities to ensure scope, schedule, and budget adherence. These efforts will promote efficient communication between LEE + RO, IRWD, and others as required and implement an effective quality assurance/quality control (QA/QC) program.

A. **Preparation of Project Status Reports:** LEE + RO will prepare bi-weekly and monthly status reports. Each bi-weekly status report shall be emailed to IRWD's Project Manager on Monday and shall consist of a summarized list detailing the activities completed in the previous weeks, the activities planned for the upcoming week, action items, and critical decisions that need to be made. Each monthly status report shall be submitted along with the billing invoice for that month and shall provide additional detail, summarizing the work completed and work status relative to budget and schedule. LEE + RO shall also update the project schedule monthly for inclusion in the monthly status report.

B. **Meetings:** LEE + RO will organize, attend, and conduct meetings as required. This will include tasks to prepare and submit meeting agendas for IRWD's review and concurrence at least five days before the meeting. Additionally, LEE + RO will prepare draft and final minutes for all meetings and workshops and submit them to IRWD within one week of the meeting.

   For budgeting purposes, it is understood that LEE + RO will incorporate the following in-person meetings at a minimum.

Meeting/Workshop	Description
Design Kickoff	One (1) one-hour meeting
Manning Pump Station Site Visit	One (1) four-hour meeting
Present Preliminary Design (Site) Layout	One (1) one-hour meeting
Present the 60% design and record IRWD's comments	One (1) two-hour meeting
Present the 90% design, discuss IRWD's comments, and discuss how the comments were addressed	One (1) two-hour meeting
Present the 100% design, discuss IRWD's comments, and discuss how the comments were addressed	One (1) one-hour meeting

C. **Quality Assurance/Quality Control:** LEE + RO will develop and implement our proven QA/QC measures throughout the project to ensure ongoing and consistent quality control throughout all phases.

   Deliverables: None – however, all pertinent

Task 2 Preliminary Design

LEE + RO will perform the following subtasks in the 30% design phase. The primary goal of this task will be to identify the final recommended site layout. These subtasks will be documented and compiled into a Technical Memorandum, and site layout as summarized below.

A. **Site Survey:** LEE + RO shall provide a topographic survey of the Manning Pump Station site and prepare an overall base map including one-foot contours, specific dimensions and locations of existing utilities, and the location of potholes so that utility information may be incorporated into the design plans and serve as the basis for the project's design.

B. **Right-of-Way:** The existing property lines are shown on the record drawings. LEE + RO will Identify any permanent easements and temporary construction easements required for the construction of the project, if required. IRWD will provide any legal descriptions if required. LEE + RO will incorporate the right-of-way, property lines, and easement line information into the conceptual and design drawings.

C. **Utility Review:** LEE + RO will perform additional utility research to locate utilities or other physical features, including all IRWD utilities, any utilities owned by other agencies, and up to three (3) potholes.

D. **Geotechnical Investigation:** LEE + RO will review the site's existing geotechnical reports and investigations. This review will include the geotechnical investigation from the Santiago Canyons Generator Project included in Exhibit "C" and soils reports from the Manning Pump Station Generator Project included in Exhibit "D". Based on the review of the existing report, LEE + RO will use the previous soils analyses in the design or determine if an additional soils investigation is required.

E. **Conceptual Layout:** LEE + RO will develop at least three (3) conceptual site layouts for the Manning Pump Station and site improvements with the demolition of the existing Manning Water Treatment Plant. The conceptual site layout will identify easement lines, property lines, access roads, vegetation, fencing and walls, generator, pumps and piping, proposed pump and piping, site improvements, and any temporary systems required during construction. It is understood that the new pump station should ideally be located on the District's exclusive easement to allow construction of the new pump station while maintaining the existing pump station in operation until the new pump station is commissioned.

   The conceptual site layouts by LEE + RO will evaluate the following elements in part or combination:

   - Replace Manning Pump Station, including all electrical, mechanical, above-ground, and below-ground piping and appurtenances within the District's exclusive easement;
   - Relocate SCE Service Meter;
   - Relocate or protect in place the newly installed generator;
   - Relocate or protect in place the newly installed surge tanks and
   - Ingress and egress of District vehicles.

F. **Mechanical**: LEE + RO will review the pump and piping equipment procured for the replacement of the Manning Pump Station. The design will incorporate the acquired equipment and any additional equipment, fittings, piping, and appurtenances that were not procured as part of PR 01398.

G. **Electrical:** LEE + RO will review and verify the electrical improvements in PR 01398 and determine whether they remain sufficient based on the proposed pumps and improvements for MPS. Our team will determine whether additional improvements to the electrical service are needed, including the location of a new buried service or aerial drop option. This task will include an evaluation of the existing emergency generators to confirm if they are sufficiently sized to provide emergency backup power for all proposed equipment and improvements. Recommendations for replacing the emergency generators will be provided as necessary. Improvements will include variable frequency drives in a NEMA 4X climate-controlled enclosure.

K. **Instrumentation and Communications:** LEE + RO will review the procured instrumentation, communications equipment, and programmable logic control (PLC) for MPS. The design will incorporate the procured equipment and any additional equipment, instruments, materials, and wiring not procured as part of PR 01398. A new 40-foot aluminum tower for communications shall also be designed to improve communications at MPS. It is understood that a third-party programmer retained by IRWD will provide SCADA programming for the PLCs. LEE + RO will develop a preliminary process and instrumentation diagram for MPS per IRWD's P&ID Tagging Convention. A preliminary IO list shall be developed for proposed and existing equipment to be added or modified.

L. **Permits:** LEE + RO will identify all required permits and controlling agencies, the required fees, and anticipated permit processing times, e.g., the County of Orange, Orange County Fire Authority, the United States Department of Agriculture, and any other affected utility agencies.

M. **CEQA Documentation**: This project is subject to the California Environmental Quality Act (CEQA), and IRWD will prepare and file the CEQA document. LEE + RO will provide IRWD with data regarding construction activities that will impact the environment so that IRWD can complete and file the final CEQA document. It is understood that LEE + RO will budget $4,000 for this task as requested.

N. **Project Schedule:** LEE + RO will provide a preliminary construction project schedule that identifies critical paths and other extended lead items.

O. **Estimates of Probable Construction Costs:** LEE + RO will provide a preliminary estimate of probable construction costs.

P. **Team Meetings:** LEE + RO will schedule and lead meetings with the District to ensure that all design, operational, and maintenance issues are addressed. Additionally, LEE + RO will prepare and provide the meeting minutes and action items. This will assist in determining that all technical issues are addressed and that the project stays on schedule.

Q. **Technical Memorandum:** LEE + RO will summarize and compile the work described above into a Technical Memorandum. The technical memorandum will, at a minimum, summarize the results of the subtasks identified above along with additional design criteria identified by LEE + RO during the preliminary design phase.

Task 3 Final Design

Upon Acceptance of the technical Memorandum and 30% submittal, LEE + RO will prepare the Contract Documents for final design. In the final design phase, LEE + RO will address the items discussed below:

A. **Project Manual:** LEE + RO will prepare a Project Manual in standard IRWD format for the Contract Documents. IRWD's front-end documents will be utilized, and LEE + RO will assess IRWD's documents to determine any needed supplemental special provisions that should be added to comply with IRWD's general provisions and front-end requirements. The Project Manual will describe the allowable shutdown durations and sequencing associated with connections and tie-ins to existing IRWD facilities. The Project Manual will also include the IRWD General Technical Specifications, modifications, and project-specific technical specifications.

B. **Construction Plans:** LEE + RO will prepare detailed construction drawings for each set of Contract Documents in the latest version of AutoCAD, using the latest National CAD Standard (NCS) layering standards and drawing organization. The plans provided by LEE + RO will utilize IRWD's standard border template. Separate sheets with sheet index/location map/legend, general notes, index map, construction notes, phasing, and detail connections will be included. Construction (key) notes on all construction drawings will be used (construction callouts on the plans should be avoided). Existing IRWD utilities shall be identified on the plan view by as-built plan set number with the pipeline material, flow direction as appropriate, and IRWD pressure zone labeled. The index map will include a sheet legend, final alignment, valve locations, surrounding streets, and significant project site locations. Construction plans will be prepared using the NAVD 88 and NAD 83 survey standards.

C. **Electrical/Instrumentation:** LEE + RO will prepare an operational scheme including P&IDs, single line diagrams, control equipment list, control loop descriptions, and method of integrating the proposed facilities into IRWD's existing SCADA system. Before this process, LEE + RO will meet with IRWD electrical/automation staff to incorporate IRWD's standard operations, programming, and tagging requirements into the design. LEE + RO will follow IRWD's P&ID Tagging Convention. LEE + RO will also develop and provide the operational scheme and functional descriptions (in plain English) for District review and approval. The LEE + RO team will coordinate obtaining power and telemetry at the project site. LEE + RO will obtain SCE's approval for the proposed electrical services at the site.

D. **Project Schedule:** LEE + RO will maintain and consistently update the project schedule, including milestones for design and detailed construction activities. The schedule will include all critical factors impacting the project schedule, including IRWD review times,

implementation, permitting, and coordination activities to ensure that the project is completed per the proposed schedule. The schedule shall be prepared in Microsoft Project. It is understood that a preliminary schedule outlining the preliminary and final design phase activities will be included in the proposal.

E. **Opinion of Probable Construction Cost:** LEE + RO will prepare a detailed and itemized opinion of probable construction cost for the proposed facilities, which shall be updated and submitted with each design deliverables described below.

F. **Design Deliverables:** It is understood that the Construction Plans and Project Manual will be transmitted via email to IRWD's Project Manager for review. LEE + RO will present each submittal with IRWD in a meeting within seven calendar days of a deliverable. Deliverables shall be made as follows:

1. ***60% Design Submittal:*** LEE + RO will provide a 60% Construction Plan set developing the recommended site layout. Show civil/site, mechanical, electrical, and instrumentation and controls plans. Show mechanical, piping, and electrical equipment layouts, civil and structural improvements, preliminary profiles, and existing utilities at a minimum. LEE + RO will provide a complete Project Manual Table of Contents.

2. ***90% Design Submittal:*** LEE + RO will provide a 90% Construction Plan set incorporating IRWD's comments from the 60% Design Submittal. Plans shall include all sheets, plans, sections, details, schematics, and diagrams for each discipline in a high level of detail. LEE + RO will provide a complete set of the Project Manual with all Specification Sections including the appendix. LEE + RO will also respond to the District's 60% Design Submittal review comments.

3. ***100% Design Submittal:*** LEE + RO will provide a 100% Construction Plan set and Project Manual with the Engineer of Record stamp and signature. The 100% Design Submittal will incorporate IRWD's comments from the 90% Design Submittal and QA/QC's by LEE + RO staff for completeness and free of clerical and CAD errors. LEE + RO will also respond to the District's 90% Design Submittal review comments.

4. ***Final Design Submittal:*** LEE + RO will provide a draft Final Design set to be backchecked for reconciliation of all previous comments before adding the Executive Director's signature on the cover sheet of the Construction Plan and Project Manual. Once the submittal is reviewed and minor comments addressed by LEE + RO, the Final Design Submittal shall be submitted to be signed by IRWD. Once signed by the Executive Director, LEE + RO will provide AutoCAD files for the Construction Plan set, Microsoft Word files used in the preparation of the Project Manual, and a set of project design calculations (including, but not limited to, mechanical, civil, structural, electrical, pipe thickness and restraint).

H. **Addenda Preparation and Pre-Bid Meeting:** During the bidding period, LEE + RO will provide information and clarification of bid documents to prospective bidders. This will include the preparation of up to three (3) addenda, including revisions to the design plans and specifications and assistance with addressing bidder questions. At a minimum, addenda preparation activities shall include:

1. ***Plan Revisions:*** LEE + RO will budget 40 hours of appropriate staff time for plan revisions to the construction drawings.

2. ***Specification Revisions:*** LEE + RO will budget 25 hours of appropriate staff time for revisions or additions to the project specifications.

3. ***Bidder Questions:*** LEE + RO will budget 40 hours of appropriate staff time to address and respond to bidder questions.

4. ***Pre-Bid Meeting:*** LEE + RO will attend a two-hour pre-bid meeting during the bidding period. It is understood this may include a site visit with potential bidding contractors.

2. TEAM

The proposed project team organization is shown below in **Exhibit 2-1** and identifies the roles and responsibilities of each of the key team members, as well as those of our subconsultant team members. A brief synopsis of key team members' experience follows. Detailed resumes for LEE + RO team members are included in **Appendix A**

Exhibit 2-1
Organizational Chart

TEAM AVAILABILITY

KEY PERSONNEL	ROLE	% OF TIME COMMITTED ON PROJECT	OFFICE LOCATION
Amritendu Maji, PE	Project Manager	20%	City of Industry
David Tiscareno, EIT	Project Design	50%	City of Industry
Jordan Lim, PE	Electrical/I&C Engineer	40%	City of Industry
Adam Betsworth, PE	Civil Engineer	40%	City of Industry
James Gingrich, PE	Structural Engineer	10%	City of Industry
David Grossman, EIT	QA/QC	10%	City of Industry
Eric Lovering, PE	Principal in Charge / Technical Advisor	15%	San Diego

LICENSE/CERTIFICATION
Civil Engineer, CA #87036

EDUCATION
MS, Engineering Mechanics
University of Arizona

MS, Civil Engineering,
University of Southern
Illinois

BS, Civil Engineering,
Jadavpur University

Amritendu Maji, PE | Project Manager

Amritendu Maji is a California-registered civil engineer and project manager with over 25 years of progressive experience in the planning, design, construction, and administration of public works projects. He has been responsible for preparing plans and specifications, construction cost estimates, bid documents, and permit applications for site development, roadways, water & wastewater conveyance, and distribution facilities, including pipelines, pump stations and reservoirs, and stormwater and flood control facilities. He has considerable experience in hydraulics and hydraulic modeling, as well as the preparation of feasibility studies and technical reports. He has provided constructability review and QA/QC of technical reports, plans & specifications, construction cost estimates, and other bid documents. He has provided construction administration and support services, including construction site visits, conducting progress meetings, review of shop drawings, responding to RFIs, analysis & preparation of change orders, start-up & commissioning, and review & approval of contractors' pay requests and project closeout. He also has considerable experience in the preparation of permits, including the Federal Section 404 (Clean Water Act) for work in wetlands, Section 408 (Rivers and Harbors Act) for federally constructed structures like levees and floodwalls, and permits from the State Transportation and Development offices for work in and around State and Federal Highways, etc.

Amritendu's Relevant Experience Includes:

- Orange Heights Zone 5 to 6 Domestic Water and Zone C+ to D Recycled Water Booster Pump Station Project, Irvine Ranch Water District
- Santiago Canyon Pump Station Improvements Project, Irvine Ranch Water District
- Prado Booster Station Upgrade Project, City of Colton
- Saddleback Pump Station Auxiliary Pump and Engine Replacement, Moulton Niguel Water District, Mission Viejo

LICENSE/CERTIFICATION
Engineer-In-Training
#169413

NASSCO PACP AND MACP,
#U-614-06021725

EDUCATION
BS, Civil Engineering,
California State Polytechnic
University, Pomona

David Tiscareno, EIT/PACP/MACP | Project Design

David is a Civil Engineer in Training specializing in water and wastewater projects, including pump station, pipeline, treatment plant, and reservoir projects. David has gained valuable experience over the last 8 years working on numerous small to large water and wastewater projects covering planning, design, and construction administration for design. His project experience includes the development of specifications and providing design support, preparation of hydraulic calculations, permit preparation, and coordination. Aside from design support experience, David has provided construction administration support, including assistance with RFPs, RFIs, submittals, and change orders. David is also a GIS expert. He holds NASSCO Pipeline Assessment Certification Program (PACP) and Manhole Assessment Certification Program (MACP) certifications. His construction management and inspection services project experience and responsibilities have included construction inspection, quality control, owner representation, field documentation, progress payment reviews, and permit coordination.

David's Relevant Experience Includes:

- Booster Pump Station 3501 Replacement, Coachella Valley Water District, Desert Hot Springs
- Santiago Canyon Pump Stations Improvements, Irvine Ranch Water District
- Potable Water Steel Reservoir Seismic Retrofits Project, Moulton Niguel Water District, Laguna Niguel
- Prado Booster Station Upgrade Project, City of Colton

Jordan Lim, PE | Electrical & I&C Engineer

Jordan is a California-registered Electrical Engineer with 5 years of experience specializing in water and wastewater infrastructure projects, including pump stations, pipelines, treatment plants, and reservoir projects. Jordan has gained valuable experience working on numerous small to large water and wastewater projects covering planning, design, and construction administration. His project experience includes providing engineering and design support, development of specifications, development of control schematics, P&IDs, electrical analysis to conduct conductor pull and derating calculations, permit preparation, and discipline coordination. Jordan is skilled in engineering software, including AutoCAD, MicroStation, ETAP, and PullPlanner. Aside from his design support experience, Jordan has provided construction administration support, including assistance with RFPs, RFIs, submittals and change order requests.

Jordan's Relevant Experience Includes:

- Santiago Canyon Pump Station Improvements, Irvine Ranch Water District
- Saddleback Pump Station Auxiliary Pump and Engine Replacement and Portable Generator Connection Project, Moulton Niguel Water District, Aliso Viejo
- Prado Booster Station Upgrade Project, City of Colton
- Final Design for the Matthews/Romoland Booster Station, Eastern Municipal Water District.

LICENSE/CERTIFICATION
Electrical Engineer
CA#E24462

EDUCATION
BS, Electrical Engineering,
California State University,
Fullerton

Adam Betsworth, PE | Civil Engineer

As a licensed professional engineer, Adam Betsworth has over 19 years of municipal civil, infrastructure, engineering, design, and construction experience in water and wastewater conveyance systems, as well as land development experience. He's worked with AutoCAD for more than 21 years and is an expert with Civil 3D. Adam's municipal work includes but is not limited to: potable and recycled water pipelines, wastewater treatment plants, lift stations, trunk sewers, potable and recycled water reservoirs, and booster pump stations. His work in land development covered commercial grading plans, street plans, sewer, water, recycled, and transmission lines, storm drain plans, channels, traffic control plans, tract maps, legal descriptions, and writing complex exhibits and reports. Adam has supervised and trained employees in various tasks and the use of Civil 3D. He has calculated and resolved complex mathematical/engineering problems and formulas to meet project specifications. He has presented project designs to clients, from concept to 3D model designs using Civil 3D in conjunction with product samples and presentation material.

Adam's Relevant Experience Includes:

- Orange Heights Zone 5 to 6 Domestic Water and Zone C+ to D Recycled Water Booster Pump Station Project, Irvine Ranch Water District
- Santiago Canyon Pump Station Improvements, Irvine Ranch Water District
- Catala Pump Station and Pipelines Planning & PDR, Santa Clarita Valley Water Agency
- Final Design for the Matthews/Romoland Booster Station, Eastern Municipal Water District

LICENSE/CERTIFICATION
Civil Engineer, CA #C73790

EDUCATION
BS, Civil Engineering,
California State Polytechnic
University, Pomona

LICENSE/CERTIFICATION
Civil Engineer, CA #C34701

Structural Engineer, CA #S3023

EDUCATION
Graduate Courses, Structural Dynamics, California State University, Los Angeles

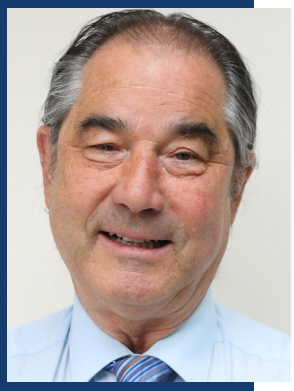
BS, Civil Engineering, California State Polytechnic University, Pomona

James Gingrich, PE,SE | Structural Engineer

James Gingrich is a California-registered structural engineer with over 32 years of structural analysis, engineering, design, constructability analysis, value engineering, project coordination, and construction management experience. He has been the structural project manager, QA/QC reviewer, and lead structural engineer for planning, investigation and condition assessment, preparation of preliminary & final design, seismic analysis and upgrading, and construction phase engineering services for a wide variety of concrete and steel structures for water conveyance and pumping facilities, water storage, treatment, and distribution facility projects for Metropolitan Water District (MWD) of Southern California. His experience and expertise include rehabilitation & retrofit engineering & designs for existing facilities. His representative experience includes lead designer for the Lake Matthew Outlet Facilities, Colorado River Aqueduct Pumping Plant Seismic Upgrades, and Oxidation Retrofit (Ozone Disinfection) Projects for MWD's Mills Jensen, Weymouth, Skinner, and Diemer Water Treatment Plants.

James's Experience:

- Booster Pump Station 3501 Replacement, Coachella Valley Water District.
- Hyperion Secondary Effluent Pumping Station (HSEPS) Expansion Project, Hyperion Treatment Plant (HTP), West Basin Municipal Water District (WBMWD), Carson.
- Seal Beach Pump Station Replacement, Orange County Sanitation District.
- Pump Station 2 (PS 2) Reliability Improvements, City of San Diego.



LICENSE/CERTIFICATION
Civil Engineer, CA # C42190

EDUCATION
BS. Environmental Engineering, Humboldt State University

David Grossman, PE | QA/QC

David Grossman is a California Registered Civil Engineer with 42 years' experience in water and wastewater municipal engineering. While employed by the City of San Diego for 27 years, his experience included planning, design, construction inspection, and engineering support for facility operations on a wide range of municipal water and sewer projects. With this experience he participated for numerous years on the City Water and Sewer Design Guide Committees. These design guides were developed with extensive input from senior operations and maintenance supervisors to compile best industry practices for the planning, design, construction, and safe operability of new City facilities. Key experience on sewer projects include preparing numerous trunk sewer and pump station planning reports including studies on the realignment of sewer utilities for Petco Stadium construction and the Mission Bay Sewer Interceptor System, and he served as project manager responsible for the development of the City's pioneering all digital platform for the inspection, assessment and prioritization of sewer main conditional defects and capacity problems. This background and attention to QA/QC detail assures that all planning and design criteria established by client agencies will be carefully implemented on projects.

David's Relevant Experience Includes:

- Final Design for the Matthews/Romoland Booster Station, Eastern Municipal Water District.
- Turtle Rock Zone 3 Reservoir Chloramine Booster Station, Irvine Ranch Water District.
- Pump Station 2 (PS2) Power Reliability Upgrade and Power Generation Project, City of San Diego.
- Seal Beach Pump Station Replacement, Orange County Sanitation District.

LICENSE/CERTIFICATION
Civil Engineer, CA #C70807

Electrical Engineer, CA #E18727

EDUCATION
BS, Aeronautical Engineering, University of California, Davis

Eric Lovering, PE | Principal - In - Charge

Eric Lovering has over 20 years of process mechanical/electrical/ instrumentation & controls (I&C) system engineering and project management experience with water and wastewater treatment plants, pump stations, industrial facilities, and standby power generation. He maintains two California PE licenses – "Civil" and "Electrical." Eric's core competencies include pump station hydraulics and pump selection, mechanical equipment, piping systems, and electrical & control systems engineering. His project experience includes system analysis, alternative studies, vendor selection, engineering, design, construction, PLC programming, start-up & commissioning, troubleshooting, and O&M consultation. Eric has hands-on experience with pumping equipment, diesel and gas-driven generators, variable frequency drives (VFDs), motor control centers, low-voltage and medium-voltage power distribution, and I&C systems. Eric's multidisciplinary experience makes him an effective project manager and multidiscipline engineering team leader. His communication skills keep clients well informed, and he effectively identifies critical path items that are required to drive the projects to successful completion. Eric is LEE + RO's Chief Engineer, and he often serves in the role of project lead technical advisor.

Eric's Relevant Experience Includes:

- Orange Heights Zone 5 to 6 Domestic Water and Zone C+ to D Recycled Water Booster Pump Station Project, Irvine Ranch Water District
- IIC East Zone A to B Booster Pump Station Upgrades, Irvine Ranch Water District
- Hidden Canyon Zone 3 to 4 Domestic Water and Zone B to C Recycled Water Booster Pump Station, Irvine Ranch Water District
- Turtle Rock Zone B+ Recycled Water System Upgrading Project, Irvine Ranch Water District

SUBCONSULTANT

Underground Solutions, Inc., | Potholing

Underground Solutions, Inc. (USI) has been in the locating and vacuum excavation utility potholing service business since 2003. USI and their team of highly qualified operators and management are committed to perform fast, safe and accurate utility locating services. Their high velocity use of air-driven excavation delivers the power to cut precise holes into the earth without damaging the utility being located. Their "dry" system provides a more economical and environmentally friendly method of excavation.

The Prizm Group | Site Survey

The Prizm Group (TPG) | Surveying TPG was formed in 1998 with the corporate office in Norco, California. The background of the principal included design engineering and surveying of public works projects throughout Southern California. TPG provides surveying services to civil engineering companies and public agencies. By providing services to such entities TPG has participated in numerous projects for both private and public agencies, including cities and water districts such as Rancho California Water District, the cities of Corona, Azusa, Indio and Eastern Municipal Water District. TPG is regular subconsultant on LEE + RO projects.

3. EXPERIENCE

LEE+RO's representative and relevant projects are introduced below. Following these project descriptions, we have included a matrix **(Exhibit 3-1)** that lists many of our other domestic potable water and recycled water pump stations projects.

Client References for Projects with Similar Services and Projects Elements

Project Description

Santiago Hills II Zone 5 to 6 Domestic Water and Zone C+ to D Recycled Water Booster Pump Station Project | Irvine Ranch Water District

LEE + RO to design the Santiago Hills II Domestic and Recycled Water Pump Station for a new 398-acre medium- and high-density residential development. In addition to designing the pump line up to meet IRWD's hydraulic demands, a key design feature was working with IRWD to develop the best way to layout the multiple facilities to be housed at Santiago Hills II; to transform the facility from a pump station site into a "campus." The domestic water pump station consists of four (4) 15 HP and two (2) 100 HP variable frequency drive pumps including standby pumps with combined total capacity 1,500 gpm and the recycled water pump station consists of four (4) 15HP variable frequency drive pumps with a combined total capacity of 1,300 gpm. Both stations have 5hp jockey pumps. The scope of work included hydraulic analysis and modeling, and PDR phase engineering services. This job was postponed after the issuance of the Preliminary Design Report. The project included perimeter wall and access, masonry building, mechanical equipment, and yard piping, and instrumentation and controls.

Client Reference:
Irvine Ranch Water District
Joel Nash, Project Manager
(949) 453-5869, nash@irwd.com

Cost: N/A - N/A – the project was postponed after issuance of PDR

Date Services Provided: June 2016

Santiago Canyon Pump Station Improvements | Irvine Ranch Water District

This project will increase pumping capacity at Manning, Read, Shaw, and Williams Pump Stations to meet the Tier 1 fire flows in their respective service zones to provide improved reliability and upgrade the facilities to current District standards. LEE + RO updated the existing hydraulic model for the Santiago Canyon area consisting of several pressure zones and ran the model for existing, interim, and buildout conditions for average day, max day plus fire flow, and peak hour scenarios. Global fire flow analyses were performed with and without the proposed pump station and future pipeline improvements. The model results were used not only to confirm and select the proposed pumps and pressure-reducing valves at the four pump stations, but also to confirm the master-planned pipeline improvements.

Client Reference:
Irvine Ranch Water District
Alex Murphy, Project Manager
(949) 453-5863, murphy@irwd.com

Cost: $4 Million

Date Services Provided: May 2019

IIC East Zone A to B Booster Pump Station Upgrades | Irvine Ranch Water District

LEE + RO provided preliminary design, final design, bid phase and engineering services during construction for this $2 million recycled water pump station upgrades project. The old existing IIC East Zone A to B Recycled Water Pump Station was equipped with four (4) vertical turbine pumps (three duty and one standby), with one spare pump can available to receive a future fifth pump. This upgrades project added additional pumping capacity (to 10,700 gpm) with a 5th pump and included all new pump motors, a new 1200A electrical utility service, new main switchboard, and new MCC, two new VFDs and three new soft starters, new instrumentation and controls, new 7.5 ton ac cooling unit, new LED lighting, new PLC controls, and networking equipment. A hydraulic transient analysis was performed to ensure that the Zone A and B pipelines had adequate surge protection during a pump power failure and/or startup of the booster pump station. Based on the surge study, installation of surge mitigation equipment was not necessary

Client Reference:
Irvine Ranch Water District
Scott Toland Now at Eastern Municipal Water Dist.
(951) 928-3766 X 4471, @ EMWD, tolands@emwd.org

Cost: $2 Million

Date Services Provided: May 2017

Project Description

Hidden Canyon Zone 3 to 4 Domestic Water & Zone B to C Recycled Water Booster Pump Station | Irvine Ranch Water District

LEE + RO provided engineering design services for this combined domestic water/fire flow and recycled water pump station facility for a new 255-acre medium- and high-density residential development. The $2.3 million domestic water pump station consists of four (4) 15 HP VFD driven vertical turbine pumps and two (2) 100 HP constant speed pumps, including standby pumps with a combined total capacity of 2,170 gpm and the $1.9 million recycled water pump station consists of four (4) 15 HP variable frequency drive pumps with a combined total capacity of 475 gpm.

Determining the most efficient site layout for this Domestic Water – Fire Flow – Recycled Water pump station required close coordination with IRWD's Engineering and Operations staff. The scope of work included hydraulic analysis and modeling, PDR, final design, and bid & construction phase engineering services. The project elements included a CMU masonry building, CMU perimeter walls with gated vehicular access, mechanical equipment and yard piping, and instrumentation and controls. The final design included the preparation of a Project Manual describing sequencing associated with connections and tie-ins to existing facilities, utility research, permit coordination, and all civil, structural, mechanical, HVAC, and architectural elements.

Client Reference:
Irvine Ranch Water District
Scott Toland (now at Eastern Municipal Water District)
(951) 928-3766 X 4471, @ EMWD, tolands@emwd.org

Cost: $4.2 Million

Date Services Provided: March 2014

Turtle Rock Zone 3 Reservoir Chloramine Booster Station | Irvine Ranch Water District

The Turtle Rock Zone 3 Reservoir (TR Z3 Res) is located at 13½ Minaret Drive in Irvine and supplies water to the surrounding Turtle Rock neighborhood and the Zone 3 to 4 Pump Station (TR Z4 PS) which serves the uppermost portion of the neighborhood. IRWD has experienced degraded water quality at the TR Z3 Res due to nitrification caused by the loss of chlorine residual, excess free ammonia and low water supply turnover. Currently, IRWD doses chlorine and ammonia at the Turtle Rock Zone 1 to 3 Pump Station to reduce nitrification in the system but this process is susceptible to chemical precipitation in the pipe where the chemical is injected and has required multiple replacements of the injection pipe. This project will install a chloramine booster station at TR Z3 Res similar to chloramine booster stations that are in service at multiple reservoirs throughout IRWD's potable system to address and avoid the nitrification and in-pipe chemical precipitation issues

Client Reference:
Irvine Ranch Water District
Alex Murphy, Project Manager
(949) 453-5863, murphy@irwd.com

Cost: $3.9 Million

Date Services Provided: March 2021

Michelson Water Recycling Plant Unit Substation T-1 Replacement | Irvine Ranch Water District

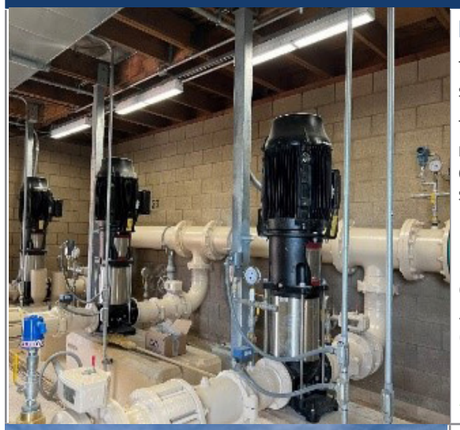
Unit Substation T-1 is comprised of two 5kV load breaks, a 1000kVA transformer, and multiple 480V distribution sections. The existing equipment shall be replaced in kind and at the same location to accommodate the existing conduits and conductors. The F1 and F2 feeders will be interrupted during construction, which will affect downstream Unit Substations T-2, T-9, T-3, and T-10 and/ the recently installed battery energy storage system (BESS). The 5kV power to the downstream unit substations and BESS shall be maintained during construction. Substation T-1 also distributes 480V power to DSB-200 and MCC-301, which provides power to critical treatment processes. The 480V power shall be maintained during the construction process without the extended use of temporary generators. A primary component of the Project will be the development of a construction phasing plan to ensure continuous, uninterrupted operation of MWRP during the construction period.

Client Reference:
Irvine Ranch Water District
Joel Nash, Project Manager
(949) 453-5569, @irwd.com

Cost: $3 Million

Date Services Provided: 2018

Project Description



Prado Booster Pump Station Upgrade Project | City of Colton

The City of Colton owns, operates, and maintains the Prado Booster Station. The existing potable water booster pump station housed two 75 HP horizontal split case centrifugal pumps with room for a third pump. The station also included electrical switchgear, motor starters, meter and main breakers, RTU, outdoor transformer, instrumentation and controls, propeller meter, and exposed piping.

The objective of this project was to provide redundancy by installing a new three-pump lineup and improve efficiency by installing variable frequency drives (VFDs) on each pump motor. The project elements included three new vertical pumps and motors with new Variable Frequency Drives (VFD); new piping, valving, instrumentation, and appurtenances; removing and replacing the existing MCC; all new electrical conduits and conductors; complete instrumentation and controls design; SCADA design for booster station remote monitoring system; new emergency generator transfer switch sized for new pump station electrical loads; new portable emergency generator connection; new station lighting; new HVAC system, pump station security system upgrades; replacement of skylights with functional roof hatches for pump/ motor removal. This project was completed in 2022 and is currently in service.

Client Reference:
City of Colton
Jess Soto, Project Manager
(909) 370-5065, jsoto@colton.ca.gov

Cost: $1.8 Million

Date Services Provided: August 2021

Booster Pump Station 3501 Replacement | Coachella Valley Water District

CVWD Booster Pump Station 3501 is located in Desert Hot Springs, CA. The station had reached the end of its useful life and the District had experienced capacity and supply issues in the high zone and desired a new pumping facility that would provide service through the year 2030.

The existing site included two above-ground steel reservoirs, six (6) vertical turbine pumps of various sizes that supply water to the Sky Valley Pressure Zone, a portable emergency generator, a surge tank, and connections to an existing lower pressure zone. The new $3.3 million booster pump station project included four (4) new 200 hp vertical turbine pumps with reduced voltage soft starts, instrumentation and controls, a new 1,200A electrical service and utility transformer, a new electrical building with HVAC to house the new switchboard, ATS, MCC and electrical panels and SCADA panel, a new chemical storage building, a new air compressor for the surge tank, a new 750kW stationary diesel-fueled emergency generator and load bank. New fill and drain piping (yard piping) were provided for the existing reservoirs to optimize the site layout and operations. New seismic valves were installed at the reservoir connections. The existing pump station remained online throughout the construction process and was not demolished until the new booster pump station was commissioned and fully operational.

Client Reference:
Coachella Valley Water District
Jesse Aguilar, Project Manager
(760) 398-2661 ext. 2511, jaguilar@cvwd.org

Cost: 3.3 Million

Date Services Provided: December 2017

Miramar Pump Station Rehabilitation and Upgrading Project | San Diego County Water Authority

LEE + RO provided engineering services for the rehabilitation and upgrade of the pump station's facilities to ensure that the pump station was fully operational - delivering up to 40 MGD to member agencies during emergency water disruptions, such as those caused by earthquakes. The station was placed into operation in 1979 and much of the pump station's 2.3 kV electrical system was obsolete and no longer supported by the original manufacturers. This upgrade project included a comprehensive condition assessment report, hydraulic and surge analysis, and structural seismic analysis. The scope of work for this $4.1 million project included civil, structural, mechanical, electrical and instrumentation & controls engineering for replacement of pumps, seismic reinforcement, forced air ventilation, conversion to a 4.16kV electrical distribution system and replacement of all electrical equipment, addition of automatic pump controls, and SCADA integration. The site is adjacent to a residential neighborhood, thus requiring special considerations for noise abatement designs and new perimeter fencing. The project also included a new flow control facility. The flow control facility consists of two triple offset isolation butterfly valves, a venturi meter, and a motorized cone valve to deliver metered water to the Miramar Treatment Plant clear wells.

Client Reference:
San Diego County Water Authority
Gary Olvera, Project Manager
(858) 522-6600, golvera@sdcwa.org

Cost: 4.1 Million

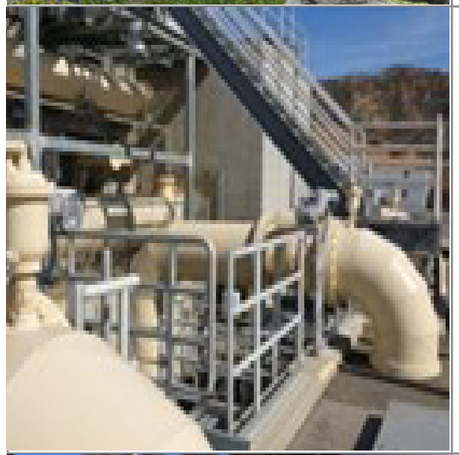
Date Services Provided: November 2015

Project Description

Catala Pump Station and Pipelines Planning & PDR | Santa Clarita Valley Water Agency

LEE + RO is providing engineering services for the evaluation of alternative siting locations and pipe routing along with final recommendations, preparation of a preliminary design report (PDR) and 30% preliminary design plans for the selected solution. Santa Clarita Valley Water Agency (SCV Water) seeks to construct a new potable water pump station including associated suction and force main piping to supply the Catala Pressure Zone from the Bouquet Pressure Zone. This Project is the highest priority supply project recommended in Santa Clarita Water Division's 2013 Water Master Plan to provide adequate capacity for expansion and future growth, increase operational flexibility, and increase system reliability. The suction pipeline will connect to an existing water main south of the intersection of Bouquet Canyon Road and Newhall Ranch Road. The discharge pipeline will connect to an existing Mesa Tank supply line further north on Bouquet Canyon Road.

Client Reference:
Santa Clarita Valley Water Agency
Jason Yim, Principal Engineer
(661) 513-1277, jyim@scvwa.org
Cost: 15 Million
Date Services Provided: January 2023



Earl Schmidt Filtration Plant Improvement, Washwater Return and Sludge System Improvements | Santa Clarita Valley Water Agency

SCVWA owns and operates the 56 MGD capacity Earl Schmidt Filtration Plant (ESFP) that treats State Project Water (SPW) from Castaic Lake. The main ESFP processes consist of an ozone injection system, ten contact clarifiers, ten filters, and two storage reservoirs. The flash mixing pumps mix water and coagulants and convey it to the contact clarifiers, followed by filtration through filters. Filtered water is disinfected with chlorine and flows by gravity to storage reservoirs before distribution. The washwater (WW) from the clarifiers and filters is stored in WW basins and pumped to the WW treatment facilities. Treated WW is returned to the head of the plant, and the collected solids are treated in a gravity sludge thickener, and, finally, in drying beds. The WW return system consists of two WW basins (400,000 gallons each), a chemical injection and inline mixer system, and two packaged treatment units (PTUs). There is one sludge thickener and two sludge drying beds. The supernatant in WW basins is pumped to the PTUs, and the settled sludge is conveyed to the sludge thickeners and drying beds.

The California Department of Public Health (DPH) Cryptosporidium Action Plan (CAP) includes a 2 nephelometric turbidity units (NTU) recycled water turbidity limit and also regulates the total recycle water flow to be less than 10% of the plant flow. The existing ESFP WW return system meets the 10% of recycle flow requirement; however, the current WW system limitations prevent maximizing the WW recycle flow up to 10 percent. In addition, the current washwater return system cannot consistently reduce turbidity in the return line to less than 2 NTU. LEE + RO evaluated the WW return and sludge handling system and identified the necessary washwater return system improvements to cost-effectively achieve full compliance with the DPH requirements.

The project includes the construction of two new 620,000-gallon capacity WW basins with automatic sludge scraper system and floating decanters, a WW basin effluent wet well, upsizing of various conveyance piping, a new sludge thickener, new sludge drying bed, electrical, and various site improvements. The total construction cost is $18 million. Construction is ongoing and will be completed in March 2024.

Client Reference:
Santa Clarita Valley Water Agency
Jason Yim, Principal Engineer
(661) 513-1277, jyim@scvwa.org
Cost: 18 Million
Date Services Provided: June 2015

Saddleback Pump Station Auxiliary Pump and Engine Replacement | Moulton Niguel Water District

The pump at the auxiliary pump station (Aux PS) at Moulton Niguel Water District's (District) Saddleback Pump Station and Reservoir facility is currently driven by a propane-fueled engine through a right-angled gear drive. The District desires to replace the existing engine a with new diesel-fueled engine, upgrade the gear drive with a new gear drive and upgrade the existing vertical t urbine pump to a new vertical turbine pump capable of delivering 4,740 gpm at a discharge head of 313 feet of Total Dynamic Head (TDH). The work will also include modifications to the existing building, piping and electrical system including site work. Also, a new portable generator connection will be provided at the Saddleback Pump Station building. The District is using the Preliminary Design Technical Memorandum (PDTM) prepared by LEE + RO as the basis of design for this project. The PDTM recommended this alternative and the pumping capacity. In addition to the pump, gear and engine replacements, additional work includes evaluation of existing engine structural foundation supports, evaluation of existing building structure for the installation of a roll up door to aid with future maintenance work, and piping modifications to tie in the recirculation line at the Aux PS to the reservoir.

Client Reference:
Moulton Niguel Water District
Bryan Hong, Senior Engineer
(949) 281-8269, bhong@mnwd.com
Cost: $149,953
Date Services Provided: May 2019

Pump Station 2 (PS2) Reliability and Force Main Surge Protection Upgrades | City of San Diego, CA

PS2, San Diego's largest pump station, was constructed in 1963, and conveys all wastewater flows from the San Diego Metro Wastewater System through two 87-inch diameter force mains and Point Loma Tunnel to the Point Loma Wastewater Treatment Plant (PLWTP). PS2 has a design capacity of 432 mgd and houses a total of eight (8) pumps: six are driven by 2,250 HP electric motors, and two others are driven by 2,500 HP natural gas engines. PS2 currently has three feeds from SDG&E. However, the present setup does not meet the EPA Class I Reliability Criteria and major sewage spills could occur at PS2. LEE + RO evaluated many alternatives employing turbines and/or engine generators. The project also included force main hydraulic study and mitigation of hydraulic surge on the dual force mains to the PLWTP. The selected alternative in the final design includes: (1) replace two engine driven pumps with two 2,250 HP motors driven through new VFDs, (2) install two natural gas engine generators rated at 3,000 kW each, which will be available to pumps at all times for force main surge protection during multiple pump operation, and (3) install two 4,000 kW diesel engine emergency generators. The project includes an 8,000 sq. ft. and 45 ft. high building to house the generators, cooling systems, electrical , and cranes. The existing raw sewage shell and tube exchangers will be modified and retained as a part of the engine cooling system.

Client Reference:
City of San Diego, CA
Ivan Hoffman, Project Manager
(619) 533-5196, ihoffman@sandiego.gov
Cost: 56 Million
Date Services Provided: May 2016

Exhibit 3-1 - Water & Recycled Water Pump Station Engineering

Station Name and Location	Client (Owner)	New (N) Project or Upgrading (U)	Station Capacity (GPM)	No. of Pumps Incl. Standby	Pump Capacity, Ea. (GPM)	TDH (Feet))	Motor HP, EACH	Var. Freq. Drives (VFDs)	Const. Cost ($ Million)	Project Status
POTABLE WATER PUMP STATIONS										
Orange Heights Zone 5 to 6 Pump Station	Irvine Ranch Water District	N	1,500	6	150/1250	200	15/100	Yes	$2.0	PDR
Turtle Rock Pump Station, Irvine	Irvine Ranch Water District	N	4,800	4	1,600	280	150	No	$1.5	In Service
Santiago Hills Zone 5 to 6 Pump Station	Irvine Ranch Water District	N	2,000	6	150/1250	200	20/100	Yes	$2.2	In Service
Foothill Ranch “Zone 6A” Pump Station, Irvine	Irvine Ranch Water District	U	2,100	4	1,250	212	100	Yes	$0.8	In Service
Hidden Canyon Zone 3 to 4 Booster Pump Station	Irvine Ranch Water District	N	2,170	5	140/1750	175	15/100	Yes	$2.3	In Service
Booster Pump Station 3501	Coachella Valley Water District	N	4,400	5	1,100	385	125	Yes	$3.3	In Service
Coastal “Zone 4” Pump Station, Newport Beach	South Orange County Wastewater Authority	N	6,050	5	2,000	450	300	Yes	$5.0	In Service
Earl Schmidt Water Pump Station, Santa Clarita	Castaic Lake Water Agency	U	29,250	4	9,750	100	350	No	$2.0	In Service
Miramar Pump Station, San Diego	San Diego County Water Authority	U	36,000	3	18,000	120	600	No	$4.1	In Service
San Vicente Booster Pump Station, Santa Monica	City of Santa Monica	U	7,500	6	1,500	250	150	Yes	$2.1	In Service
Yorba Linda Blvd. Booster Pump Station, Yorba Linda	Yorba Linda Water District	N	4,300	3	2,700 / 1250	250	150 / 60	No	$2.5	In Service
Planning Area 18 Zone 3 to 4 Booster Pump Station	Irvine Ranch Water District	N	2,170	5	140/1750	175	15/100	Yes	$2.4	In Service
Sand Canyon Pump Station, Santa Clarita	Castaic Lake Water Agency	U	33,000	6	6,625	350	900	Yes	$4.5	In Service
Plant 1 Booster Pump Station, Fountain Valley	Orange County Sanitation District	U	3,400	3	2,200	185	125	Yes	$1.1	In Service
Plant 2 Booster Pump Station, Huntington Beach	Orange County Sanitation District	N	4,000	3	2,500	185	150	Yes	$1.5	In Service
Westmoor Pump Station, Sunnyvale	City of Sunnyvale	U	1,500	2	750	60	100	No	$0.9	In Service
Hamilton Pump Station, Sunnyvale	City of Sunnyvale	U	1,800	2	900	80	75	Yes	$0.9	In Service
Serra Pump Station, Sunnyvale	City of Sunnyvale	U	1,500	2	750	60	100	No	$0.9	In Service
Arbor Ridge Pump Station, Walnut	Walnut Valley Water District	U	2,300	3	1,250	140	60	No	$0.5	In Service
Nob Hill Pump Station, Concord	Contra Costa Water District	U	4,400	2	2,200	160	100	No	$0.5	In Service
Kirker Pass Pump Station, Concord	Contra Costa Water District	U	3,000	3	1,000	180	60	No	$0.2	In Service
Seminary Pump Station, Concord	Contra Costa Water District	U	4,400	2	2,200	215	150	No	$0.8	In Service
Gregory Gardens PS, Pleasant Hill	Contra Costa Water District	U	450	3	150	80	60	No	$0.3	In Service
Port Costa Pump Station, Port Costa	Contra Costa Water District	U	60	2	30	60	2	No	$0.1	In Service
Edward Hills Zone 1 Booster Pump Station	City of Huntington Beach	U	7,500	4	2,500	160	150	Yes	$0.8	In Service
Edward Hills Zone 2 Booster Pump Station	City of Huntington Beach	U	2,500	3	1,250	50	50	Yes	$0.9	In Service
LA Zoo High-Head Pump Station, Los Angeles	City of LA, Dept. of Water & Power	U	1,800	3	900	700	300	No	$1.6	In Service
Water Pump Station, Soledad	City of Soledad	U	6,600	3	2,200	200	100	Yes	$0.6	In Service
Prado Booster Station Upgrade Project	City of Colton	U	900	3	450	322	60	Yes	$1.1	In Service
RECYCLED WATER PUMP STATIONS										
IIC East Zone A to B Recycled Water Pump Station	Irvine Ranch Water District	U	10,700	5	2,000	210	150	Yes	$2.0	In Service
Orange Heights Zone C+ to D Recycled Water Pump Station	Irvine Ranch Water District	N	1,300	4	500	185	20	Yes	$1.9	PDR
Hidden Canyon Zone B to C Recycled Water BPS	Irvine Ranch Water District	N	475	4	120	185	15	Yes	$1.9	In Service
Coastal “Zone D” Pump Station, Newport Beach	Irvine Ranch Water District	N	7,500	5	2,500	450	350	Yes	$3.5	In Service
San Joaquin Flow Control/Pumping Facility, Irvine	Irvine Ranch Water District	N	8,250	3	4,125	60	75	Yes	$2.6	In Service
Turtle Rock “Zone B+” Recycled Water Pump Station, Irvine	Irvine Ranch Water District	U	5,250	5	1330 (3)	320	150 (3)	Yes	$1.2	In Service
Hyperion Effluent Pump Station	West Basin Municipal Water District	U	58,000	6	11,620	210	400/800	Yes	$11.5	In Service
High Lift Pump Station, Pomona	Forest Lawn / Cal Poly Pomona	N	4,000	5	1,600	261	100 / 50	Yes	$1.3	In Service
Low Pressure Pump Station, Palm Desert	Coachella Valley Water District	N	15,000	4	3,750	230	300	Yes	$2.0	In Service
High Pressure Pump Station, Palm Desert	Coachella Valley Water District	N	15,000	4	3,000	392	400	Yes	$2.7	In Service
Recycled Water Pump Station, Riverside	City of Riverside	N	7,800	3	2,600	290	250	Yes	$2.8	In Service
PA18 Zone B to C Booster Pump Stations	Irvine Ranch Water District	N	475	4	120	185	15	Yes	$1.5	In Service
Santiago Hills Zone C+ to D Pump Station	Irvine Ranch Water District	N	1,500	4	500	185	20	Yes	$1.5	In Service

4. SCHEDULE

Proposed Schedule for Engineering Design Services for Manning Pump Station				
Irvine Ranch Water District (IRWD)				
Task	**Start Date**	**Finish Date**	**Duration (Calendar Days)**	**Comments**
Request for Proposal	1/23/2025	2/6/2025	14	
Proposals Due	2/6/2025	2/6/2025	0	
Review of Proposals by IRWD	2/6/2025	2/24/2025	18	
NTP for Design	2/24/2025	2/24/2025	0	
Draft PDR/TM (30% Submittal)	2/25/2025	4/15/2025	49	
Review by IRWD	4/16/2025	4/30/2025	14	
Final TM Submittal	5/1/2025	5/15/2025	14	60% starts same time as preparation of Final TM.
60% Design Submittal	5/1/2025	6/12/2025	42	
Review by IRWD	6/13/2025	6/27/2025	14	
90% Design Submittal	6/28/2025	7/26/2025	28	
Review by IRWD	7/27/2025	8/10/2025	14	
100% Design Submittal	8/11/2025	9/1/2025	21	
Review by IRWD	9/2/2025	9/16/2025	14	
Final Design Submittal	9/17/2025	10/1/2025	14	
Bid Opening	10/2/2025	11/13/2025	42	

5. BUDGET

Separate Sealed Envelope

Per the RFP's requirements, the budget has been provided in a Separate Sealed Envelope.

6. JOINT VENTURE

LEE + RO is submitting this proposal as a prime, and not as a Joint Venture. Our subconsultants are introduced in **Section 2**.

7. CONFLICT OF INTEREST

No Conflict of Interest

LEE + RO has no existing or potential conflicts of interest that might impair or undermine our ability to serve the Irvine Ranch Water District.

8. CONTRACT

No Exceptions

LEE + RO has carefully reviewed the District's sample professional services agreement and take no exceptions.

9. INSURANCE

LEE + RO has reviewed the insurance requirements and ensures we can meet the terms set forth in the Services Agreement provided in Section 5 in the RFP. LEE + RO will provide insurance certificates, in which the District will be named as an additional insured, after notification of award of contract. A list of our current insurance certificates is provided in the matrix below.

Insurance Certificate Matrix

Type	Carrier	Effective Date	Expiration Date	Per Occurrence	Aggregate	Policy No.
Commercial General	Sentinel Insurance Co.	11/01/2024	11/01/2025	$2,000,000	$4,000,000	20SBWEG2776
Automobile	Hartford Insurance Co.	11/01/2024	11/01/2025	$1,000,000	$1,000,000	20UEGZH5830
Workers Comp	Hartford Insurance Co.	11/01/2024	11/01/2025	$1,000,000	Each	20WEBAB8B8V
Umbrella	Sentinel Insurance Co.	11/01/2024	11/01/2025	$5,000,000	$5,000,000	20SBWEG2776
Professional Liability	Travelers Casualty and Surety Co of America	10/17/2024	10/17/2025	$5,000,000	$5,000,000	107510841

10. PUBLIC WORK REQUIREMENT

DIR Registrations

LEE + RO and all our subconsultants are registered with the Department of Industrial Relations.

Company	DIR#
LEE + RO	1000015613

LEE+RO
WATER INFRASTRUCTURE ENGINEERS

Celebrating 40 years
as partners in possibility.

1199 South Fullerton Road
City of Industry, CA 91748

626-912-3391
lee-ro.com

February 21, 2025

Mr. Nhan Mai, PE
Irvine Ranch Water District
Engineering Department
15600 Sand Canyon Ave,
Irvine, Ca 92618

Re: Engineering Design Services for the Manning Pump Station Replacement

LEE + RO, Inc. is pleased to submit this fee proposal for Engineering Design Services for Manning Pump Station Replacement. The total fees for this project is **$299,700**. We have also enclosed the breakdown of our fee in detail and our current billing rate schedule, and Other Direct Costs are enclosed with this letter.

LEE + RO sincerely appreciates the opportunity to be of service to the District. If you have any questions or concerns, please do not hesitate to contact me or Amritendu Maji at Amritendu.Maji@lee-ro.com.

Respectfully Submitted

LEE + RO, Inc.

Eric Lovering, PE
Chief Engineer & Principal-in-Charge
Eric.lovering@lee-ro.com
(858) 332-4284

Exhibit 1: Fee Proposal

Engineering Design Services for the Manning Pump Station Replacement for IRWD

Labor Category: E9 Chief Engineer; E8 Managing Engineer; E6 Supervising Engineer; E5 Senior Engineer; E4 Engineer; E2 Assistant Engineer; T4 Senior Designer; T2 Associate Designer; A1 Administrative Assistant/Word Processor	E9	E8	E5	E4	E2	T4	A1	Total Hours	Total Labor	Other Direct Costs	Sub-Consultant Fees	TOTAL
Project Tasks	**$353**	**$317**	**$213**	**$197**	**$131**	**$161**	**$95**					
Task 1: Project Management												
A. Project Status Reports and Billing (Assume 8 Billing Cycles, 32 Weeks)		32		32			16	80	$17,968			$17,968
B. Meetings (3-1 Hr, 2-2 Hr, 1-4 Hr, 3 Hr Travel Time for Ea.) incl. Agenda and Minutes Preparation		29	21	35	27			112	$24,098	$600		$24,698
C. QA/QC	10	10		40				60	$14,580			$14,580
Subtotal Task 1, Project Management	**10**	**71**	**21**	**107**	**27**	**0**	**16**	**252**	**$56,646**	**$600**	**$0**	**$57,246**
Task 2: Preliminary Design												
A. Site Survey				2	2	4		8	$1,300		$7,833	$9,133
B. Right-of-Way		1		8	2			11	$2,155			$2,155
C. Utility Review Including Potholing (Assume 3 Potholes)				6	4			10	$1,706	$500	$4,683	$6,889
D. Geotechnical Investigation (Desktop Review of Existing Geotechnical Data)		4	4					8	$2,120			$2,120
E. Conceptual Layout		4	4	60	16	40		124	$22,476	$500		$22,976
F. Mechanical	2	4		16	16			38	$7,222			$7,222
G. Electrical	2	1	12	2	16			33	$6,069			$6,069
K. Instrumentation and Communications	2	1	12	2	16			33	$6,069			$6,069
L. Permits		1		8	8			17	$2,941			$2,941
M. CEQA								0	$0	$4,000		$4,000
N. Project Schedule		2	2	2	4			10	$1,978			$1,978
O. Estimates of Probable Construction Costs		1	2	4	16			23	$3,627			$3,627
P. Team Meetings (Assume 4-1 hr Meetings, incl. Agenda and Minutes)		6	4	8				18	$4,330			$4,330
R. Technical Memorandum	2	4	6	30	24	16	8	90	$15,642	$200		$15,842
Subtotal Task 3, Preliminary Engineering	**8**	**29**	**46**	**148**	**124**	**60**	**8**	**423**	**$77,635**	**$5,200**	**$12,516**	**$95,351**
Task 3: Final Design												
3.1 60% Design Submittal												
3.1.1 General and Demolition Plans		2		8	8	24		42	$7,122	$100		$7,222
3.1.2 Civil and Structural Plans		4	8	30	16	24		82	$14,842			$14,842
3.1.3 Mechanical Plans		4		16	12	16		48	$8,568			$8,568
3.1.4 Electrical and I&C Plans	8	1	16	2	24	16		67	$12,663			$12,663
3.1.5 Specifications (TOC Only)		1	1	1	1			4	$858			$858
3.1.6 Construction Cost Estimate		1	2	4	6			13	$2,317			$2,317
3.2 90% Design Submittal												
3.2.1 General and Demolition Plans		2		4	8	8		22	$3,758	$100		$3,858
3.2.2 Civil and Structural Plans		2	8	16	12	16		54	$9,638			$9,638
3.2.3 Mechanical Plans		4		16	12	16		48	$8,568			$8,568
3.2.4 Electrical and I&C Plans	4	1	12	2	12	16		47	$8,827			$8,827
3.2.5 Specifications		1	4	4	8		4	21	$3,385			$3,385
3.2.6 Construction Cost Estimate		1		2	8			11	$1,759			$1,759
3.2.7 Respond to 60% Submittal Comments		1	2	4	4			11	$2,055			$2,055
3.3 100% Design Submittal												
3.3.1 General and Demolition Plans		2		4	4	12		22	$3,878	$100		$3,978
3.3.2 Civil and Structural Plans		2	6	8	8	12		36	$6,468			$6,468
3.3.3 Mechanical Plans		2		8	8	12		30	$5,190			$5,190
3.3.4 Electrical and I&C Plans	2	1	6	2	8	12		31	$5,675			$5,675
3.3.5 Specifications		1	2	4	8		4	19	$2,959			$2,959
3.3.6 Construction Cost Estimate		1		2	4			7	$1,235			$1,235
3.3.7 Respond to 90% Submittal Comments		1	2	4	4			11	$2,055			$2,055
3.3.8 Submit Bid Package		1	1	4	4	24	24	58	$7,986	$200		$8,186
3.5 Bidding Services												
3.5.1 Plan Revisions		2	4	16	4	16		42	$7,738	$100		$7,838
3.5.2 Specifications Revisions		2	2	8	8		5	25	$4,159	$100		$4,259
3.4.3 Address Bidder Questions	2	8	8	16	6			40	$8,884			$8,884
3.4.4 Attend Prebid Meeting Incl. Site Visit		8	8	8				24	$5,816	$200		$6,016
Subtotal Task 3, Final Design	**16**	**56**	**92**	**193**	**197**	**224**	**37**	**815**	**$146,403**	**$700**	**$0**	**$147,103**
TOTAL NOT-TO-EXCEED	**34**	**156**	**159**	**448**	**348**	**284**	**61**	**1,490**	**$280,684**	**$6,500**	**$12,516**	**$299,700**

Exhibit 2: Billing Rate Schedule

**(Billing rates are effective From November 1, 2024 to October 31, 2025.
Billing rates are subject to an annual increase on November 1st of every year)**

PERSONNEL CLASSIFICATION			BILLING RATES ($/HOUR)
ENGINEERS			
Engineer 9	E9	Chief Engineer	$353
Engineer 8	E8	Managing Engineer	$317
Engineer 7	E7	Supervising Engineer	$284
Engineer 6	E6	Principal Engineer	$252
Engineer 5	E5	Senior Engineer	$213
Engineer 4	E4	Engineer	$197
Engineer 3	E3	Associate Engineer	$177
Engineer 2	E2	Assistant Engineer	$131
Engineer 1	E1	Junior Engineer	$109
CAD / DESIGNERS			
Designer 6	T6	Principal Designer	$235
Designer 5	T5	Senior Designer	$180
Designer 4	T4	Designer	$163
Designer 3	T3	Associate Designer	$152
Designer 2	T2	Assistant Designer	$121
Designer 1	T1	Junior Designer	$104
FIELD PROFESSIONALS			
Field Professional 5	F5	Senior Resident Engineer	$213
Field Professional 4	F4	Resident Engineer	$197
Field Professional 3	F3	Senior Inspector	$177
Field Professional 2	F2	Inspector	$151
Field Professional 1	F1	Assistant Inspector	$109
ADMINISTRATIVE			
Administrative 4	A4	Senior Contract Manager	$153
Administrative 3	A3	Contract Manager	$144
Administrative 2	A2	Senior Word Processor	$114
Administrative 1	A1	Word Processor / Admin. Assistant	$95

Exhibit 3: Other Direct Costs

(Effective From November 1, 2024 to October 31, 2025)

Automobile Mileage	IRS Published Rate
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Subconsultant Mark-up	Subconsultant Invoice Amount Plus 5%
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Overnight Mailing, Air Fare, Project-Specific Software, Equipment Rental, etc.	At Cost

March 18, 2025
Prepared by: R. Huang
Submitted by: F. Sanchez / P. Weghorst
Approved by: Paul A. Cook

ENGINEERING AND OPERATIONS COMMITTEE

CHARGE READY PARTICIPATION AGREEMENTS AND PURCHASE OF ELECTRIC VEHICLE CHARGING STATIONS

SUMMARY:

In compliance with California Air Resources Board (CARB) regulations, IRWD is beginning to convert its fleet to electric vehicles (EVs). Two Southern California Edison (SCE) Charge Ready Programs are available to provide necessary electric vehicle charging infrastructure at no cost to IRWD. To participate in the programs, IRWD must execute a Charge Ready Infrastructure and Rebate Participation Agreement and a Charge Ready Transport Participation Agreement (the Participation Agreements). Staff recommends that the Board authorize the General Manager to execute the Participation Agreements with SCE, subject to non-substantive changes, and to execute agreements for the purchase and installation of Charge Point EV chargers.

BACKGROUND:

CARB regulations require that IRWD begin converting its fleet vehicles to EVs. Fleet electrification will necessitate the installation of on-site EV chargers and associated infrastructure. Two SCE Charge Ready Programs will facilitate the design and installation of $1.275 million in EV charger infrastructure (e.g., transformers, panels, meters, conduit, and wiring) at no cost to the District. By participating in the programs, IRWD will be responsible for purchasing and installing the EV chargers. The conceptual plans for EV charger infrastructure at IRWD's Sand Canyon Headquarters and the Michelson Water Recycling Plant (MWRP) are provided as Exhibit "A" and Exhibit "B", respectively.

SCE Charge Ready Participation Agreements:

Staff has coordinated with SCE on participating in the two Charge Ready Programs. The Charge Ready Charging Infrastructure and Rebate Program will provide free infrastructure for 23 dual-port conventional EV chargers and one conventional single-port EV charger at IRWD's Sand Canyon Headquarters. The Charge Ready Transport Program will provide free infrastructure for high-capacity 19 dual-port EV chargers at MWRP, which will serve IRWD's medium and heavy-duty fleet. To participate in these programs, SCE requires IRWD to execute the Charge Ready Charging Infrastructure and Rebate Participation Agreement, which is provided as Exhibit "C" and the Charge Ready Transport Program Participation Agreement that is provided as Exhibit "D". IRWD General Counsel has reviewed both agreements.

EV Charger and Installation Costs:

SCE will require that IRWD purchase the 43 EV chargers within 45 days of executing the Participation Agreements. Staff contacted the three SCE approved EV charger vendors which

can provide the specific charger capacity required at the IRWD facilities. One vendor was not responsive. Of the other two, ChargePoint was 20% less expensive than Blink Charging. In addition, IRWD already has ChargePoint EV chargers at Sand Canyon and MWRP. IRWD also uses the ChargePoint network management software. Staff recommends the purchase and installation of the ChargePoint chargers in compliance with the two Charge Ready Programs.

FISCAL IMPACTS:

The cost of the purchase and installation of the EV Charges are $510,000 and $210,000, respectively. Considering the cost of staff time, legal fees, and contingencies, the total cost of participation in the Charge Ready programs will be $993,300 to be funded by Projects 12971, 13006, and 13007, which are included in the Fiscal Year 2025-26 Capital Budget in the amount of $331,100 each.

ENVIRONMENTAL COMPLIANCE:

Participation in the Charge Ready programs is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15061 (b) (3). The activity is covered by the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA.

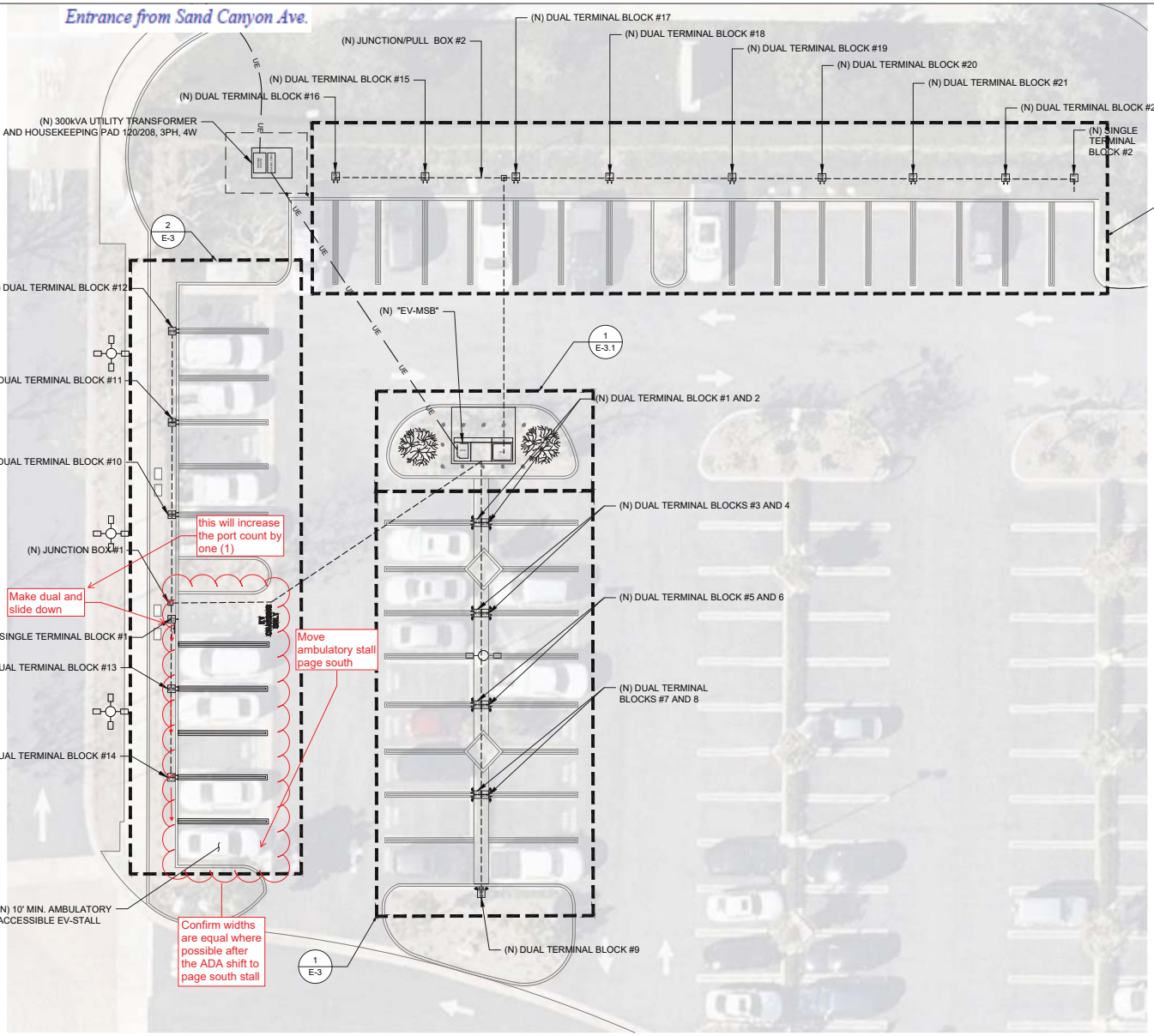
RECOMMENDATION:

That the Board authorize the General Manager to execute the Charge Ready Infrastructure and Rebate Participation Agreement and the Charge Ready Transport Program Participation Agreement with Southern California Edison subject to non-substantive changes approved by legal counsel and authorize the General Manager to execute agreements for the purchase and installation of the required Charge Point electric vehicle chargers.

LIST OF EXHIBITS:

Exhibit “A” – SCE Conceptual Plan for Sand Canyon EV Charger Infrastructure
Exhibit “B” – SCE Conceptual Plan for MWRP EV Charger Infrastructure
Exhibit “C” – Charge Ready Infrastructure and Rebate Participation Agreement
Exhibit “D” – Charge Ready Transport Program Participation Agreement

Exhibit "A"
Conceptual Plan for Sand Canyon Headquarters



SITE PLAN 0 10 20 Feet

NOTES:

1. UTILITY DISTRIBUTION INFRASTRUCTURE TO BE BUILT BY OTHERS AND SHOWN ONLY FOR PROJECT CLARITY AND COORDINATION
2. IMPACTED EXISTING PARKING = 47 TOTAL SPACES
3. PROPOSED CHARGING= 46 TOTAL
4. EVCE LAYOUT BASED ON USED OF SINGLE AND DUAL PORTS
5. ALL PARKING SPACES ARE EXISTING. FIELD TO VERIFY EXACT DIMENSION PRIOR TO CONSTRUCTION
6. FIELD VERIFY ALL EQUIPMENT LOCATION TO MAKE SURE APPROPRIATE SPACE IS AVAILABLE
7. FIELD VERIFY ALL EXISTING UTILITY LOCATIONS FOR EASEMENT REQUIREMENT

LEGEND:

- DUAL PORT EVSE
- SINGLE PORT EVSE
- MAIN SWITCHBOARD "EV-MSB"
- UTILITY TRANSFORMER INSTALLED BY OTHERS
- PROPOSED NON EXPOSED ELECTRICAL CONDUIT
- UE — SCE ELECTRICAL SERVICE SUPPLY TO METER, BY T&D
- BOLLARD PROPOSED ELECTRICAL CONDUIT

NOT FOR CONSTRUCTION

PROJECT SITE

IRVINE RANCH WATER DISTRICT
15600 SAND CANYON AVENUE
IRVINE, CA 92618
PROJECT ID 00001768600

PROJECT DEVELOPER

SOUTHERN CALIFORNIA EDISON CO.
CHARGE READY PROGRAM
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770
TEL: (800) 655-4555

BRYTEMOVE ENERGY
12 MORGAN
IRVINE, CA 92618
TEL: (714) 908-5266
www.brytemove.com

REVISION

MARK	DATE	DESCRIPTION
V1	05/20/2023	CD30
V2	09/12/2023	CD30
V2	06/10/2024	CD30

DRAWN BY:	DLH
CHECKED BY:	RW
SCALE:	AS SHOWN
DATE:	06/10/24

SHEET TITLE

SITE PLAN

SHEET NUMBER

E-1.1

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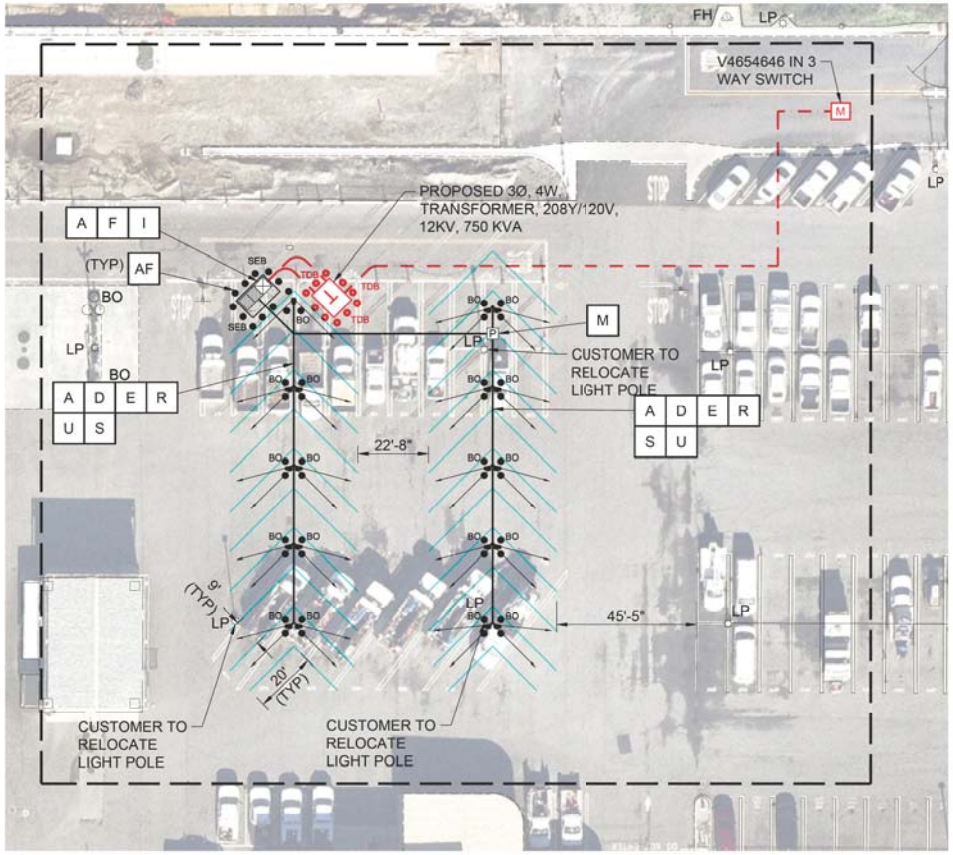
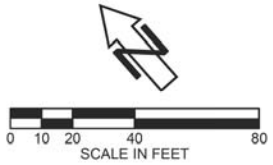
Exhibit "B"
Conceptual Plan for MWRP



MWRP Fleet Parking Area



SYMBOL LEGEND:

○BO	EXISTING BOLLARD
☼LP	EXISTING LIGHT POLE
	EXISTING SIGN
●BO	PROPOSED BOLLARD
●SEB	PROPOSED BOLLARD
P	PROPOSED PULL BOX
	PROPOSED SERVICE CT METER AND MAIN SWITCHBOARD
	PROPOSED CHARGEPOINT [MODEL CP6021-80A-L7-CHIP] DUAL CHARGE PORT PEDESTAL STYLE CHARGERS
TDB	SCE BOLLARD, BY T&D
M	EXISTING MANHOLE, BY T&D SCE
T	SCE TRANSFORMER, BY T&D
	SCE ELECTRICAL SERVICE SUPPLY TO METER, BY T&D
	LIMITS OF WORK
	ELECTRICAL CONDUIT
	PROPOSED STRIPING
	PROPOSED CONCRETE

CUSTOMER INFRASTRUCTURE IMPROVEMENTS		
CONSTRUCTION NOTES		E.Q.
A	REMOVAL OF HARDEN SURFACING	730 SF
D	2' WIDE UTILITY TRENCH	325 LF
E	PROPOSED ASPHALT CONCRETE PAVEMENT	635 SF
F	PROPOSED CONCRETE	230 SF
I	INSTALL 2500 AMP SERVICE CT METER AND MAIN SWITCHBOARD	1 UNIT
M	INSTALL PULL BOX	1 UNIT
R	INSTALL BELOW GRADE PVC CONDUIT <2"	2,270 LF
S	#1 WIRE CONDUCTOR	9,700 LF
U	#4 WIRE CONDUCTOR	2,425 LF
AF	INSTALL SITE BOLLARDS	48 UNITS

NOTES:

1. UTILITY DISTRIBUTION INFRASTRUCTURE SHOWN IN RED BUILT BY OTHERS AND SHOWN ONLY FOR PROJECT CLARITY AND COORDINATION.
2. EXISTING PARKING = STRIPING PLAN WILL BE MODIFIED BY CUSTOMER. CHARGER DESIGN LAYOUT IS PER LATEST STRIPING PLAN PROVIDED BY ROBERT HUANG ON 2/27/24. CUSTOMER TO PROVIDE FINAL STRIPING PLAN AT NOTICE TO PROCEED TO DESIGN PHASE.
3. PROPOSED CHARGING = (19) CP6021X-80A-L7 DUAL PORT
4. EVSE LAYOUT BASED ON USE OF DUAL PORT STYLE CHARGERS
5. PROPOSED SERVICE PANEL MAY BE STANDARD OR 100% RATED. SEE SINGLE LINE FOR CLARIFICATION.
6. PULL BOXES TO BE INSTALLED AS NEEDED.

*LINEAR FOOTAGE QUANTITIES INCLUDE VERTICAL TRAVEL

Blair, Church & Flynn CONSULTING ENGINEERS

CONSULTANT
Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

SCE CHARGE READY TRANSPORT PROGRAM

2023-0074 IRVINE RANCH WATER DISTRICT
EVSE SITE IMPROVEMENTS
CONCEPTUAL PLAN - REV 3

DR. BY EMO
CH. BY CR
DATE 7/29/2024
SCALE: AS NOTED

SHEET NO. 1
OF 2 SHEETS

Drawing: P:\219-0278\Site\2023-0074_IRWD\Transfer\OUT\2024-07-25_cmox_REV 1 customer CP comment coordination\2023-0074_IRWD_cp.dwg, Layout1 Plot by: cmox Jul 29, 2024 - 11:48am

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Charge Ready
Charging Infrastructure and Rebate
Participation Agreement

This Charge Ready Charging Infrastructure and Rebate Participation Agreement (Agreement) sets forth the terms and conditions for Program Participant to participate in the Program. Pursuant to the terms of this Agreement, SCE will (1) install the Infrastructure (as defined herein) at no cost to the Program Participant; and, (2) if applicable, remit the Charging Equipment Rebate, and/or the Maintenance and Networking Rebate after all terms and conditions have been met by the Program Participant.

All Program Participants are eligible for no-cost installation of the utility-side Infrastructure and Customer-Side of the Meter Infrastructure (or “Make-Ready Infrastructure,” as defined herein).

Program Participant hereby agrees to the following terms and conditions of the Charge Ready Charging Infrastructure and Rebate Program (the “Program”).

APPROVED CHARGING PORTS

1. **Total Number of Approved Charging Ports:**

The commitment to procure and install the number of approved Charging Ports applies whether or not the Program Participant is eligible to also receive a rebate for the installed charging equipment, as SCE will design and install the Infrastructure based on this commitment.

The Program Participant is required to install the quantity and power level of approved Charging Ports set forth in this Agreement. Failure to procure and install the agreed upon number may lead to termination of this Agreement, at SCE’s discretion.

Number of Charging Ports and Power Levels approved by SCE.

Power Level (L2) Port count: 47

2. **Rebates (if applicable):**

2.1. **Charging Equipment Rebate (not applicable)**

2.2. Customer-Side of the Meter Make-Ready Rebate (not applicable)

This Customer-Side of the Meter Make-Ready Rebate is available only to a Program Participant who selects the “Customer-Install” option in Section 5, indicating that Program Participant will design, purchase, and install the Customer-Side of the Meter Infrastructure.

If the Program Participant has elected the “Customer-Install” option for the Customer-Side of the Meter Infrastructure, and, subject to meeting all of the applicable terms and conditions, the Program Participant qualify to receive the Make-Ready Rebate. The Make-Ready Rebate shall not exceed 80 percent of N/A, which also represents the Customer-Side of the Meter infrastructure funds that will be reserved as of the effective date of this Agreement. The actual Customer-Side Make-Ready Rebate Payment may be less, if 80 percent of the Program Participant’s actual recorded and documented installation costs are lower than the reserved amount.

2.3. Maintenance and Networking Rebate (Available only to Multi-Family Property in DACs) - Not Applicable

The Maintenance and Networking Rebate is only available to Multi-Family Property Sites located in a designated top quartile Disadvantaged Community (DAC). The Maintenance and Networking Rebate provides a one-time payment intended to offset the maintenance, networking and warranty costs associated with owning and operating Charging Equipment. This rebate is intended to cover most of the costs associated with 10 years of the Charging Equipment’s operation. The total Maintenance and Networking Rebate will not exceed the Program Participant’s actual costs for maintenance, networking and warranty costs.

APPROVED SITE LOCATION AND DESIGN

3. Description of Approved Location at the Site:

Brief description of the mutually approved location on the Program Participant’s Site where Infrastructure will be installed.

Site Description: IRWD Sand Canyon Headquarters

Site Address: 15600 SAND CANYON AVE, IRVINE, CA, 92618

4. **Conceptual Design or T&D Narrative of the Infrastructure deployment at Program Participant's Site:**

Program Participant has reviewed and approved the Conceptual Design ("SCE-Install" option) or T&D Narrative ("Customer-Install" option), as provided by SCE, showing the location within the Site where SCE will deploy the charging Infrastructure.

5. **The Customer Side of the Meter Make-Ready Infrastructure:**

For the "Customer Side of the Meter Make Ready Infrastructure," the Program Participant may choose the "SCE-Install" option or the "Customer-Installed" Option. If the Program Participant elects the "SCE-Install" option, SCE will design, purchase and install the Customer-Side of the Meter Make Ready Infrastructure at no cost to the Program Participant. If the Program Participant elects the "Customer-Install" option, the Program Participant will design, purchase and install the Customer-Side of the Meter Make Ready Infrastructure at Program Participant's cost and in accordance with this Agreement.

☑ SCE-installed Customer-Side of the Meter Make-Ready Infrastructure

☐ Customer-installed Customer-Side of the Meter Make Ready Infrastructure

PROGRAM PARTICIPATION TERMS AND CONDITIONS

Program Participant agrees that its participation in the Program is subject to the following terms and conditions:

6. **Definitions:**

6.1. **AHJ – Authority Having Jurisdiction**: The responsible government entity having geographically-based jurisdiction that typically approves, inspects, and permits construction projects (e.g., City, County, Fire, Division of State Architect, etc.).

6.2. **Approved Product List:** The list of Charging Equipment meeting SCE's technical requirements and approved by SCE for use in its Charge Ready Programs. Program Participant must select Charging Equipment from the Approved Product List to receive applicable Charging Equipment Rebate (if available).

6.3. **CalEnviroScreen:** see Disadvantaged Communities.

6.4. **Charging Equipment**: Qualifying charging equipment that meets the technical specifications set forth by SCE and is on the Approved Product List. Charging Equipment that qualifies for the Rebate, if available. See also Power Levels.

6.5. **Charging Equipment Supplier:** The entity from which the Charging Equipment is purchased.

6.6. **Charging Equipment Rebate:** Financial reimbursement paid to an eligible Program Participant, or its designee, pursuant to this Agreement, to off-set a portion of the purchase of approved Charging Equipment.

6.7. **Charging Ports:** See Charging Stations.

6.8. **Charging Stations – EV Charging Equipment:** EV Charging Equipment interconnects with the electricity grid at a charging site to an electric vehicle, whether using alternating current (AC) or direct current (DC). An individual charging station unit may contain one or more charging ports for the purpose of connecting the electric vehicle to a grid connected power source capable of recharging the vehicle's battery pack. The individual connectors of the Charging Station are referred to as ports (referred to in this agreement as Charging Ports). Each charging station may charge one or more vehicles depending on the number of ports with which each unit is equipped. For dual-port stations, each port must be capable of delivering full power to both vehicles that are charging simultaneously. For example, a dual-port L2 station rated at 7.2 kW must be able to deliver 7.2 kW of power to both vehicles when two vehicles are charging simultaneously.

6.9. **Commitment Period:** The ten (10) year period where Program Participant must maintain all Charging Equipment in working order at the Site. The Commitment Period will commence on the In-Service Date of the Charging Equipment.

6.10. **Conceptual Design:** Map and related documents, as applicable, that show the proposed layout of the Infrastructure and Charging Equipment, including but not limited to, conduit routing and equipment placement.

6.11. **California Public Utilities Commission (CPUC):** The California state regulatory agency that is responsible for regulating privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies.

6.12. **CPUC's Transportation Electrification Safety Requirements Checklist**: The Safety Requirements Checklist applies to CPUC-Approved Transportation Electrification Programs and can be downloaded from: www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442458882

6.13. **Customer-Side of the Meter Infrastructure:** Necessary infrastructure on the Customer's side of the meter.

6.14. **Customer-Side Make-Ready Rebate**: The rebate intended to offset a portion of the Participant's costs if Participant elects to perform the Customer-Side Make-Ready infrastructure work, following the completed installation of the Utility-Side Make-Ready Infrastructure and submission of required documentation.

6.15. **Demand Response:** Demand Response (DR) programs encourage a reduction of electricity use during certain time periods, typically during on-peak hours or when demand for electricity is high, and/or can provide incentives to use electricity during periods of excess generation or when demand for electricity is lower.

6.16. **Disadvantaged Communities (DACs):** Census tracts in SCE's service territory with a top quartile score according to California Environmental Protection Agency's California Communities Environmental Health Screening Tool. SCE will use the current applicable version of the CalEnviroScreen tool to verify site status.

6.17. **Enrollment Portal**: The website where Program Participants can apply for the Program, check application status, and upload most required documents.

6.18. **Electric Vehicle Infrastructure Training Program (EVITP) Certification**: The document certifying an electrician has gone through the Electric Vehicle Infrastructure Training Program process. For more information, please visit https://www.evitp.org.

6.19. **Fortune 1000:** Fortune 1000 companies include companies listed on the Fortune 1000 list.

6.20. **Final Design:** Map and related documents, as applicable, that show the proposed layout of the Infrastructure and Charging Equipment, including but not limited to, conduit routing and equipment placement. The Final Design is the engineered construction drawing submitted for permitting

and will be completed after this Agreement is executed and prior to start of construction.

6.21. **Final Invoice:** Statement of the total amount paid by Program Participant to Charging Equipment Supplier(s) for the purchase, and installation of the Charging Equipment.

6.22. **Grant of Easement**: A contractual agreement to grant right of way for SCE to construct, maintain, operate, and repair any SCE-installed Infrastructure.

6.23. **In-Service Date:** The earliest date on which the EV Charging Equipment is installed and operational.

6.24. **Infrastructure:** The necessary Infrastructure on the Utility-side of the electric meter (that SCE will design, construct, and install at no cost to the Program Participant pursuant to this Program. Infrastructure, as defined herein, does NOT include (1) purchase or installation of the Charging Equipment; or (2) the Customer-Side of the Meter Infrastructure, if the Program Participant elects the Customer-Installed Customer-Side of the Meter Infrastructure option.

6.25. **Make-Ready Infrastructure:** Utility-Side Infrastructure and Customer-Side of the Meter Infrastructure, taken together, are also referred to as the Make-Ready Infrastructure. The Utility-Side Infrastructure includes all infrastructure work from SCE's distribution system to a new circuit panel that will be installed to support EV charging. SCE will always be responsible for designing, procuring, installing, and maintaining the necessary infrastructure located on the utility side of the meter. The Customer-Side of the Meter Make-Ready Infrastructure includes all infrastructure from beyond the new panel, which is Utility-Side Infrastructure, to the first point of interconnection with the Program Participant's Charging Equipment. Program Participants will have the option to have SCE perform the Customer-Side of the Meter Make-Ready Infrastructure work or perform that work themselves and qualify to receive the Customer-Side Make-Ready Rebate.

6.26. **Make-Ready Rebate:** See Customer-Side Make-Ready Rebate.

6.27. **Multi-Family Property** (also referred to as multi-unit dwelling, or MUD). The definition for enhance rebate qualifying sites include:

6.27.1. **Residential properties** – Structures that are designed to accommodate two or more tenants with shared parking areas.

6.27.2. **Apartment Buildings** – Structure(s) containing two or more dwelling units that may also include common areas and facilities, e.g., entrances, lobby, elevators or stairs, mechanical space, walks, grounds, recreational facilities, and parking both covered and open.

6.27.3. **Retirement Communities, Townhomes, Condominiums** – Residential communities with shared parking areas managed by an HOA or an equivalent association.

6.27.4. **Mobile Home Parks** – Residential mobile home communities with shared parking areas.

6.27.5. **University & Military Housing** – Student or military housing units or apartments with individual cooking facilities (except conventional dormitories and barracks with cafeteria type kitchens).

6.27.6. **Timeshares** – Vacation property communities with shared parking areas managed by an HOA or an equivalent association.

6.27.7. **Public Parking with Dedicated Overnight Resident Passes** – Public parking lots designated for nearby multi-family residents for overnight parking. Charging Stations can be open for public use during day-time hours.

6.28. **Network Service Provider:** The third-party entity that will provide Network Services for the Charging Equipment. The Network Service Provider will be required to transmit port level data and other information to SCE complying with Program requirements.

6.29. **Ports:** See Charging Stations.

6.30. **Power Levels:** Charging Equipment Power Levels.

Level 1 (L1) Charging: Low power charging, typically at or below 120 volts.

Level 2 (L2) Charging: Medium power charging, typically delivered between 220 and 240 volts.

Direct Current Fast Charging (DCFC): Charging equipment that provide a high-power DC current, and for this program at least 50 kW, to the electric vehicle's battery without passing through any onboard AC/DC converter, which means the current is connected directly to the battery.

6.31. **Preliminary Design:** The set of engineered, working drawings of the Infrastructure. The design includes project specifications, conduit routing,

electrical equipment specifications and calculations, project related Site improvements and construction details.

6.32. **Program:** Also referred to as the Charge Ready Charging Infrastructure and Rebate Program. This Program is designed to help Program Participants install the charging Infrastructure needed to enable drivers to refuel their light-duty electric vehicles.

6.33. **Program Guidelines:** Program reference documents developed by SCE that provide program information, including but not limited to the program participation requirements.

6.34. **Program Participant:** The SCE non-residential entity that enters into this Agreement.

6.35. **Property Owner/Site Owner:** Individual or entity authorized representative of entity holding title in the Site where the Charging Equipment and Infrastructure will be located.

6.36. **Rebate Payment:** The payment made by SCE to Program Participant, or its designated assignee, after the eligible Program Participant procures and installs the Charging Equipment, meets the qualification requirements for the Customer-Side Make-Ready Rebate, and/or the Maintenance and Networking Rebate, in accordance with this Agreement, as verified by SCE, in SCE's sole discretion.

6.37. **Site:** The premises, owned, leased or operated by Program Participant, as set forth in Section 3 of this Agreement, where the Charging Equipment will be installed.

6.38. **Time-of-Use (TOU) Rate Plans:** Rate plans which feature energy charges that vary based on the time of day, the day of the week, and the season. Some plans also include demand charges that are based on the maximum amount of electricity your business uses at once.

6.39. **Utility-Side Infrastructure:** The Infrastructure on the utility's side of the meter.

7. **Eligibility.**

Program Participant certifies that it meets, and will continue to meet throughout its participation in the Program, all eligibility requirements of the Program, including, but not limited to:

7.1. Program Participant is a non-residential SCE entity with at least one active service account.

7.2. The installation site is located in SCE's service territory.

7.3. Program Participant agrees to provide, or cause the Site Owner to provide, SCE with the rights of way across public or private property (as applicable) and to obtain any necessary permits to install Charging Equipment, without cost to SCE.

7.4. Program Participant will comply with all Program requirements outlined in the Charge Ready Program Guidelines.

8. **Additional Representations of Program Participant during the Term of the Agreement.**

Program Participant:

8.1. Agrees to purchase and install the Charging Equipment, as set forth in this Agreement. Program Participant agrees that the number of Charging Ports and their charging power level set forth in Section 1 cannot be modified after execution of this Agreement, without express written consent of SCE, at SCE's discretion.

8.2. Agrees that all Charging Equipment must be approved by SCE for installation under this Program, in a quantity approved by SCE.

8.3. Agrees to have Charging Equipment that is on the Approved Product List installed by a qualified C-10 licensed and insured contractor.

8.4. Agrees to ensure their electric vehicle supply equipment (EVSE) equipment installer follows all relevant State and local codes, and AHJ permitting requirements. All installed equipment must be correctly rated for the location where it will be installed (outdoor rated if applicable, conforming with ventilation requirements). The EV charging current shall not exceed 80% of the branch circuit rating. All EVSE installations must comply with the SB350 safety requirement checklist.

8.5. Agrees to ensure their EVSE equipment installer does not install and energize any EVSE or associated equipment capable of generation or bidirectional operation without Permission to Operate from SCE.

8.6. Agrees to procure, own, install, operate, and maintain the Charging Equipment in good working order at the site for a minimum of ten (10) years from the In-Service Date of Charging Equipment ("Commitment Period").

8.7. Agrees that, if at any time during the Commitment Period the Charging Equipment is replaced, only SCE approved EVSE will be installed and all associated costs will be the responsibility of the Program Participant.

8.8. Agrees to contract with a qualified electric vehicle charging equipment Network Service Provider approved by SCE to record and transmit EV charging usage and other data to SCE.

8.9. Authorizes SCE, for ten (10) years from the Charging Equipment's In-Service Date, to act on Program Participant's behalf to voluntarily grant a Third Party access to receive information relating to Charging Station data, billing records, billing history, pricing information, and all meter usage data used for bill calculation for all meters participating in this Program.

8.10. Authorizes the use of the collected Charging Station and related meter and billing data for regulatory reporting, program evaluation, industry forums, case studies or other similar activities, in accordance with applicable laws and regulations.

8.11. Acknowledges and agrees that the actual Make-Ready Infrastructure may vary from the Conceptual Design, if, in SCE's sole discretion, actual Site conditions or AHJ direction requires such changes.

8.12. If the Program Participant elects the "SCE-installed Make Ready" build option, as set forth in Section 6.25, then Program Participant:

8.12.1. Acknowledges and agrees that SCE shall own all Make-Ready Infrastructure, including but not limited to, the Customer Side Of The Meter Infrastructure on the Program Participant's property.

8.12.2. Acknowledges and agrees that Program Participant will convey to SCE all already-existing Make-Ready Infrastructure located on the property and that is owned by the Customer, as well as provide any necessary easements, as may be required by SCE on the Customer or third party property for SCE to install, access, and maintain the Make-Ready Infrastructure. Customer shall convey any such necessary Make Ready Infrastructure or easements to SCE, promptly and using SCE's standard conveyance and/or easement agreements, as applicable, found at https://www. https://www.sce.com/evbusiness/chargeready/tools-resources

8.12.3. Agrees to allow SCE to secure such access to the Make Ready Infrastructure located before SCE will energize any of the Make-Ready Infrastructure.

8.13. Acknowledges that funding pursuant to this Agreement is only reserved after SCE receives a copy of this Agreement signed by Program Participant and Property Owner (if different from Program Participant). The Program Participant also acknowledges that reserved funding may be withdrawn, and SCE may terminate this Agreement, both in SCE's sole discretion, if Program Participant breaches the Agreement.

8.14. Agrees to comply with the established timelines and required documentation set forth in the Program Guidelines.

8.15. Represents and warrants, to the best of Program Participant's knowledge after reasonable investigation, that the Site is free of hazardous contamination, other safety hazards, and other environmental or physical conditions impacting the ability to perform work on are at the Site.

8.16. Represents and warrants that if Program Participant has applied for or received any other incentives or rebates for the Charging Equipment, Customer-Side Make-Ready Infrastructure, or Charging Equipment Maintenance and Networking, Program Participant shall notify SCE of any such incentives or rebates as soon as reasonably practicable. In the event that any such incentives or rebates, when combined with Program rebates, would reimburse Program Participant for more than 100 percent of their costs, SCE shall decrease the issued rebate amount if not yet paid, or if already paid, submit a reimbursement request to the Program Participant for the amount of the Rebate Payment exceeding 100 percent of the Program Participant's costs.

8.17. Agrees that the electricity meter(s) associated with the Charging Equipment will be provided service under a time-of-use (TOU) rate plan.

8.18. Agrees to enroll in at least one qualifying Demand Response Program.

8.19. Agrees to ensure information of newly installed Charging Equipment, if accessible to the general public, will be registered with the US Department of Energy's Alternative Fuel Data Center (https://afdc.energy.gov/stations/#/analyze), and with the US Department of Energy's EV Charging Station Locations mapping tool, accessible at (https://www.afdc.energy.gov/fuels/electricity_locations.html#/find/nearest?fuel=ELEC), and that only one set of information is reported between the Program Participant and Charging Equipment Supplier.

8.20. Agrees to submit a completed IRS tax form W-9, and California Franchise Tax Board form 590 if applicable, or to provide line items from those

forms as SCE may request, in order for SCE to process any Rebate Payment.

8.21. Represents and warrants that the execution and delivery of this Agreement, and the performance by Program Participant of its obligations under this Agreement, have been duly and validly authorized, and this Agreement is a legal, valid and binding obligation of Program Participant.

9. **SCE's Obligations.**

9.1. SCE, at its sole discretion and in accordance with its applicable tariffs, design standards, and AHJ permitting requirements, will locate, design, and install the Utility-Side Infrastructure, and, if Program Participant elects the SCE-Install option, the Customer-Side of the Meter Infrastructure. SCE is responsible for all costs associated with Make-Ready Infrastructure deployed by SCE pursuant to this Agreement. SCE is not responsible for any costs to remedy any environmental or safety conditions at the Site. To that end, before commencing any work, SCE may require the Program Participant to fully complete, to the best of its ability, an SCE questionnaire regarding the relevant condition and history of the Site; and SCE and/or its contractors shall have the right to visually inspect all of the Site. Based on the questionnaire and Site visual inspection and any other available information, SCE, in its reasonable discretion: (i) may decline to proceed with any further work at the Site; or (ii) may decline to proceed with any further work at the Site except with Program Participant's agreement to additional reasonable environmental and other review and investigation of the Site, at Program Participant' s expense, and reasonable remediation or mitigation of any such identified environmental or safety conditions, at Program Participant's expense. If SCE at any time discovers any such environmental or safety conditions during the performance of work at the Site, then SCE in its reasonable discretion may decline to proceed with any further work at the Site, unless and until such conditions are remediated to SCE' s reasonable satisfaction, at Program Participant's expense.

9.2. SCE will pay the Customer-Side Make-Ready Rebate, if applicable, in accordance with the terms and conditions of this Agreement.

9.3. SCE will pay the Charging Equipment Rebate, if applicable, after SCE has verified correct installation of the Charging Equipment, consistent with this Agreement, subject to Program Participant meeting all Program

requirements. The actual Charging Equipment Rebate Payment amount shall not exceed the actual reasonable costs of the Charging Equipment, and its installation, as set forth in the Final Invoice(s) and consistent with the Program Participant's contract with the Charging Equipment Supplier(s) and installers.

9.4. SCE will pay the Maintenance and Networking Rebate to qualifying Program Participants following the installation of the Charging Equipment and subject to Program Participant meeting all Program requirements.

9.5. For Sites that qualify to participate as Multi-Family Property sites by providing Public Parking with Dedicated Overnight Resident Passes, Participant agrees to ensure that overnight parking will be reserved and dedicated for nearby multi-family residents for the duration of the commitment period.

9.6. Agrees to participate in SCE sponsored customer satisfaction and other surveys following completion of the Project, upon request of SCE.

10. **Term and Termination:**

10.1. Term: The term of this Agreement shall begin upon the date that both Parties have signed the Agreement and end ten (10) years from the In-Service Date of the Charging Equipment, unless otherwise terminated earlier pursuant to this Agreement ("Term").

10.2. Termination: If the Program Participant fails to comply with any of the terms and conditions of this Agreement, including the Program Guidelines, SCE, in its sole discretion, may terminate this Agreement after sending Program Participant a notice of default that remains uncured for five (5) business days from receipt, except in the case of a safety or security violation, in which case, SCE may terminate the Agreement immediately and take all other necessary actions, including but not limited to, disconnecting power to the Charging Equipment, in SCE's sole discretion, to cure such safety or security violation(s).

10.3. Termination Costs: If this Agreement is terminated prior to the end of the Term because (1) Program Participant terminates its participation in this Program, (2) Program Participant, prior to the end of the Commitment Period, fails to install, or removes without replacing, the Charging Equipment or Customer Side of the Meter Make-Ready Infrastructure not owned by SCE, if applicable; or (3) SCE terminates this Agreement due to Program Participant's failure to comply with the terms and conditions of

the Agreement or if any hazardous environmental conditions, safety, and/or security concerns exist, in accordance with Section 10.2. (Termination) hereof, the Program Participant shall pay (a) all costs actually incurred, or committed to be incurred, by SCE, as of the termination date, in connection with designing and deploying the Infrastructure at the Site; and (b) the Rebate Payment (if already paid). If the Charging Equipment or the Make-Ready Infrastructure, if applicable, are installed, the amount due to SCE for both (a) and (b) above will be prorated over a ten-year period, beginning from the In-Service Date of the Charging Equipment. SCE will invoice the Program Participant for such costs, and Program Participant shall pay such invoice within sixty (60) days of receipt.

11. **Indemnification and Liability; No Representations or Warranties**

11.1. Program Participant understands that SCE makes no representations regarding manufacturers, dealers, contractors, materials or workmanship of the Charging Equipment or, if Program Participant chooses the "Customer-Install" option, the Customer-Side of the Meter Make Ready Infrastructure. Further, SCE makes no warranty, whether express or implied, including without limitation the implied warranties of merchantability and fitness for any particular purpose, use, or application of the products and services under the Program. Program Participant agrees that SCE has no liability whatsoever concerning (1) the quality, safety or installation of such products, including their fitness for any purpose, (2) the workmanship of any third parties, (3) the installation or use of the products. Program Participant hereby waives any and all claims against SCE, its parent companies, directors, officers, employees, or agents, arising out of activities conducted by or on behalf of SCE under the Program. Without limiting the generality of the foregoing, SCE shall not be liable hereunder for any indirect, incidental, consequential, exemplary, reliance, punitive, lost profits or other business interruption damages, or special damages, including damages for loss of use, by statute, in tort or contract or otherwise.

11.2. Indemnification of SCE. To the fullest extent permitted by law, Program Participant shall indemnify, defend, hold harmless, and release SCE, and its parent company, subsidiaries, affiliates, and their respective shareholders, officers, directors, employees, agents, representatives, successors, and assigns (collectively, the "Indemnified Parties"), from

and against any and all claims, actions, suits, proceedings, losses, liabilities, penalties, fines, damages, costs, or expenses, including without limitation reasonable attorneys' fees (a "Claim"), resulting from (a) any breach of the representations, warranties, covenants, or obligations of Program Participant under this Agreement, (b) any act or omission of Program Participant, whether based upon Program Participant's negligence, strict liability, or otherwise, in connection with the performance of this Agreement, or (c) any third-party claims of any kind, whether based upon negligence, strict liability, or otherwise, arising out of or connected in any way to Program Participant's performance or nonperformance under this Agreement; or (d) from any harm or cost, known or unknown, associated with any hazardous materials, conditions, or site contamination, including, but not limited to, harm to SCE personnel, third parties, or customer applicant's employees, contractors, agents, and assigns . This indemnification obligation shall not apply to the extent that such injury, loss, or damage is caused by the sole negligence or willful misconduct of SCE.

11.3. Responsibility for Repairs. If Program Participant's Customer Side of the Meter Infrastructure, Charging Equipment, or any other equipment owned by Customer or owner of the Site damages SCE-owned Infrastructure, Participant will be responsible for any costs associated with making any necessary repairs. If SCE identifies an improper installation of any of the equipment listed in the prior sentence, Program Participant agrees to pay for and be responsible for making any necessary corrections in the manner requested by SCE.

11.4. Defense of Claim. If any Claim is brought against the Indemnified Parties, Program Participant shall assume the defense of such Claim, with counsel reasonably acceptable to the Indemnified Parties, unless in the opinion of counsel for the Indemnified Parties a conflict of interest between the Indemnified Parties and Program Participant may exist with respect to such Claim. If a conflict precludes Program Participant from assuming the defense, then Program Participant shall reimburse the Indemnified Parties on a monthly basis for the Indemnified Parties' defense costs through separate counsel of the Indemnified Parties' choice. If Program Participant assumes the defense of the Indemnified Parties with acceptable counsel, the Indemnified Parties, at their sole

option and expense, may participate in the defense with counsel of their own choice without relieving Program Participant of any of its obligations hereunder.

12. **Miscellaneous**

12.1. This Agreement shall be subject to such changes or modifications by the Public Utilities Commission of the State of California, as said Commission may, from time to time, direct in the exercise of its jurisdiction. All applicable SCE tariffs apply to service provided pursuant to this Agreement including, but not limited to, the applicable provisions of SCE's Charge Ready Program (CRP) Tariff Schedule filed with the California Public Utilities Commission, with the following exceptions:

Rules 15 and 16. Distribution Line and Service Extensions: Because SCE will design and install the Infrastructure at no cost to Program Participant, sections in Rules 15 and 16 that address customers' responsibilities or options are not applicable to Program Participants while participating in the Charge Ready Charging Infrastructure and Rebate Program. This may include, but is not limited to, allowances, contributions or advances, payments, refunds, and design and installation options. This exception does not apply to certain responsibilities found in Rule 16, such as, but not limited to, Section A.10, providing rights of way or easements; Section A.11, providing access to the location; and Section D.1, providing a clear route for the Service Extension.

12.2. Survival. Program Participant's obligation to pay Termination Costs and to indemnify the Indemnified Parties shall survive the expiration or termination of this Agreement.

12.3. Assignment. Program Participant shall not assign this Agreement without the prior written consent of SCE; to be granted or denied in SCE's sole discretion. Any assignment and assumption shall be in a form acceptable to SCE, in SCE's sole discretion.

12.4. Should a conflict exist between the Charge Ready Program Guidelines and this Agreement, then this Agreement shall control with respect to such conflict.

12.5. The payee should consult its tax advisor concerning the taxability of the Rebate Payment.

AGREEMENT BY PROGRAM PARTICIPANT

By signing this document, you represent that the information provided in this Agreement is true, accurate and complete, and that you will comply with the terms and conditions set forth in this Agreement. You also represent and warrant that you are a duly authorized representative of Program Participant with the requisite authority to enter into this Agreement. For federal government Program Participants, you must be a Contracting Officer authorized to enter into this Agreement.

Name of Program Participant: IRVINE RANCH WATER DISTRICT

Name of Program Participant Representative:

_____

Title of Program Participant Representative:

_____

I certify that the information provided is accurate and complete and that I have authority to sign this Agreement on behalf of Applicant.

Signature
Date:

AGREEMENT BY PROPERTY OWNER (If Program Participant is the Property Owner, no separate signature is required.)

By signing this document, you represent and warrant that you are a duly authorized representative of the owner of the property on which the Site is located and that you have the requisite authority to consent to the use of the property in the manner set forth in this Agreement. You also represent that Property Owner hereby approves the installation and operation of the Infrastructure and the Charging Equipment, as well as any other necessary equipment to deploy the Charging Equipment pursuant to the Program as described in this Agreement. You further agree to execute the Easement Agreement (see Appendix A link) within thirty (30) calendar days after Easement Agreement is provided by SCE.

Name of Property Owner Representative:

_____

Title of Property Owner Representative:

_____

I certify that I have authority to sign this Agreement on behalf of the Property Owner.

Signature

Date:

Endnotes

CHARGE READY TRANSPORT PROGRAM PARTICIPATION AGREEMENT

This Charge Ready Transport Program Participation Agreement (Agreement) sets forth the terms and conditions for Program Participant to participate in the Charge Ready Transport Program. Pursuant to the terms of this Agreement, SCE will (1) design, procure, and install the Infrastructure (as defined herein) at no cost to the Program Participant; and (2) if applicable, remit the Charging Equipment Rebate and the Make-Ready Rebate after all terms and conditions have been met by the Program Participant.

All Program Participants are eligible for no-cost installation of the utility-side and customer-side make-ready infrastructure. Only Program Participants meeting one of the following requirements will be eligible for the Charging Equipment Rebate:

(1) Program Participant is installing Charging Equipment listed on the Approved Product List (APL) to service transit or school buses; or

(2) Program Participant is installing Charging Equipment listed on the APL at a project site that is located in a designated Disadvantaged Community (DAC) and the Program Participant is NOT listed on the Fortune 1000 list.

Program Participant hereby agrees to the following terms and conditions of the Charge Ready Transport Program (the "Program").

APPROVED CHARGING EQUIPMENT

1.

Total Number of Approved Charging Equipment:

The commitment to procure and install the approved Electric Vehicle Supply Equipment (EVSE) applies whether or not the Program Participant is eligible for the Charging Equipment Rebate, as SCE will design and install the Infrastructure based on this commitment.

The Program Participant is required to install the approved EVSE Count set forth in this Agreement. Failure to procure and install the agreed upon EVSE Count will constitute a breach of this Agreement, which may result in termination by SCE, at SCE's discretion, and a requirement for the Program Participant to reimburse SCE for certain costs (see Section 10 of Agreement).

Approved EVSE Count:

EVSE Count	Power Output Level
19	0 - 19.2 kW

EVSE stands for Electric Vehicle Supply Equipment. For most sites, the EVSE consists of a charging station and the EVSE count is equal to the charging station count.

However, for modular DC systems, the EVSE consists of a power cabinet and dispensers. The power cabinets and dispensers will determine the EVSE count and power output level.

2. Charging Equipment Rebate Amount (if applicable):

If Program Participant is eligible for the Charging Equipment Rebate, the rebate amount paid to the Program Participant will be reduced to ensure that when combined with any other third-party rebates or incentives, the total rebate received by Program Participant does not exceed the Program Participant's total costs for procuring and installing the equipment. Following the successful installation of the Charging Equipment, the Program Participant will certify whether it has received any other third-party rebates or incentives, so that SCE can determine the appropriate Charging Equipment Rebate.

The following table provides the current charging equipment rebate amount categorized by power output level. These values will be used when calculating incentives for rebate eligible participants.

Power Output Rebate Category	Eligible Rebate Amount*
0 kW - 19.2 kW	50% of the cost of EVSE, up to $1,700
19.3 kW - 49.9 kW	50% of the cost of EVSE, up to $7,400
50 kW - 149.9 kW	50% of the cost of EVSE, up to $22,000
150+ kW	50% of the cost of EVSE, up to $37,000
*Rebate only covers hardware cost--no other costs such as installation or networking	

EVSE stands for Electric Vehicle Supply Equipment. For most sites, the EVSE consists of a charging station and the EVSE count is equal to the charging station count.

However, for modular DC systems, the EVSE consists of a power cabinet and dispensers. The power cabinets and dispensers will determine the EVSE count and power output rebate category. SCE will include the total cost of the power cabinet and dispensers in rebate calculation.

APPROVED SITE LOCATION AND DESIGN

3. Description of Approved Location at the Site: **NORTH EAST PART OF PROPERTY**

4. Conceptual Design of the Charge Ready Transport deployment on Program Participant's Site: **Attached**

MAKE-READY INFRASTRUCTURE WORK

5. The Make-Ready infrastructure:
- ☐ **self-installed customer-side make-ready**
- ☑ **SCE-installed make-ready**

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APPROVED VEHICLE ACQUISITION PLAN

The Program Participant agrees to adhere to the Electric Vehicle (EV) Acquisition Plan as described below. The Plan may only be modified with consent of SCE, in SCE's sole discretion. For Transport Refrigeration Units (TRUs), the Vehicle Acquisition Plan is a commitment that the stated number of unique TRUs will use the infrastructure within the estimated delivery date. These TRUs may be owned/leased by the customer or owned/leased by others using the site. For Truck Stop Electrification (TSE), the Vehicle Acquisition Plan is a commitment that the stated number of unique vehicles will use the infrastructure within the estimated delivery date. These vehicles may be owned/leased by the customer or owned/leased by others using the site.

Vehicle Acquisition Plan:

Delivery Date	Vehicle Class	Vehicle Count
October 2030	Medium duty on-road vehicle	4
October 2025	Medium duty on-road vehicle	2
October 2027	Medium duty on-road vehicle	2
October 2031	Medium duty on-road vehicle	4
October 2032	Medium duty on-road vehicle	5
October 2026	Medium duty on-road vehicle	2
October 2029	Medium duty on-road vehicle	4
October 2028	Medium duty on-road vehicle	3
October 2034	Medium duty on-road vehicle	6
October 2033	Medium duty on-road vehicle	6

PROGRAM PARTICIPATION TERMS AND CONDITIONS

Program Participant agrees that its participation in the Charge Ready Transport Program is subject to the following terms and conditions:

6. Definitions: Any capitalized terms used in this Agreement not otherwise defined herein shall have the meaning set forth in the Program Handbook, which is incorporated into this Agreement by reference.

AHJ – Authority Having Jurisdiction:
The responsible government entity having geographically-based jurisdiction that typically approves, inspects and permits construction projects (e.g., City, County, Fire, Division of State Architect, etc.).

Approved Product List:
The list of Charging Equipment qualified by SCE and meeting SCE's technical requirements. Program Participant must select Charging Equipment from the Approved Product List in order to receive a Charging Equipment Rebate (if available).

CalEnviroScreen:
The California Communities Environmental Health Screening Tool (CalEnviroScreen) was released by the Office of Environmental Health Hazard Assessment (OEHHA), on behalf of the California Environmental Protection Agency (CalEPA). CalEnviroScreen identifies California communities by census tract that are disproportionately burdened by, and vulnerable to, multiple sources of pollution. For more information, please visit https://oehha.ca.gov/calenviroscreen.

Charge Ready Portal:
The website where Program Participants can apply for the Program, check application status, and upload most required documents (https://chargereadytransport.sce.com).

Charging Equipment:
Qualifying Charging Equipment that meets the technical specifications set forth by SCE. Charging Equipment that qualifies for the Rebate, if available, are listed in the Approved Product List, which can be found through the Program's web portal (https://chargereadytransport.sce.com).

Charging Equipment Supplier:
The entity from which the Charging Equipment is purchased.

Charging Equipment Rebate:
Financial reimbursement paid to an eligible Program Participant, or its designee, pursuant to this Agreement, to off-set a portion of the purchase of approved Charging Equipment.

Charging Station:
An individual charging station unit that may contain one or more charging ports for the purpose of connecting the electric vehicle to a grid-connected power source capable of recharging the vehicle's battery pack. The individual connectors of the Charging Station are referred to as ports. Each charging station can charge one or more vehicles depending on the number of ports the unit is equipped with.

Commitment Period:
The 10-year period where Program Participant must maintain all Charging Equipment in working order at the Site. The Commitment Period will commence on the In-Service Date of the Charging Equipment.

Conceptual Design:
Map and related documents, as applicable, that show the proposed layout of the Infrastructure and Charging Equipment, including but not limited to, conduit routing and equipment placement.

California Public Utilities Commission (CPUC):
The California state regulatory agency that is responsible for regulating privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies.

CPUC's Transportation Electrification Safety Requirements Checklist:
The Safety Requirements Checklist applies to CPUC-Approved Transportation Electrification Programs and can be downloaded from: www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442458882.

Customer-Side of the Meter Infrastructure:
Necessary infrastructure on the customer's side of the meter.

Disadvantaged Communities (DACs):
Census tracts in SCE's service territory with a top quartile score according to the latest version of California Environmental Protection Agency's CalEnviroScreen tool.

Electric Vehicle Infrastructure Training Program (EVITP) Certification:
The document certifying an electrician has gone through the Electric Vehicle Infrastructure Training Program process. For more information, please visit https://www.evitp.org.

Electric Vehicle Supply Equipment (EVSE):
For most sites, the EVSE consists of a charging station. For modular DC systems, the EVSE consists of a power cabinet and dispensers.

Eligible TOU Rates:

All SCE TOU rate plans, which feature energy charges that vary based on the time of day, the day of the week, and the season. Some plans also include demand charges that are based on the maximum amount of electricity your business uses at once. For more information, please visit https://www.sce.com/business/rates/time-of-use", or https://www.sce.com/business/rates/electric-car-business-rates.

Final Design:

Map and related documents, as applicable, that show the proposed layout of the Infrastructure and Charging Equipment, including but not limited to, conduit routing and equipment placement. The Final Design is the engineered construction drawing submitted for permitting and will be completed after this Agreement is executed and prior to start of construction.

Final Invoice:

Statement of the total amount paid by Program Participant to Charging Equipment Supplier(s) for the purchase of Charging Equipment.

Grant of Easement:

A contractual agreement to grant right of way for SCE to construct, maintain, operate, and repair any SCE-installed infrastructure.

In-Service Date:

The date in which a Charging Equipment is installed and operational.

Infrastructure:

The necessary Infrastructure on both the utility-side and customer-side of the electric meter (i.e., "make-ready") that SCE will design, purchase, construct, and install at no cost to the Program Participant pursuant to this Agreement. Infrastructure, as defined herein, does NOT include (1) purchase or installation of the Charging Equipment; or (2) the customer-side portion of the make-ready infrastructure, if the Program Participant elects the Self-Installed Customer-Side Make-Ready option.

Make-Ready Infrastructure:

Infrastructure and Customer Side of the Meter Infrastructure are, taken together, also referred to as the make-ready infrastructure. The utility-side make-ready infrastructure includes all infrastructure work from SCE's distribution system to a new circuit panel that will be installed to support EV charging. SCE will ALWAYS be responsible for designing, procuring, installing and maintaining the necessary infrastructure located on the utility side of the meter. The Customer-Side Make-Ready infrastructure includes all infrastructure from the new panel that will be set as part of the utility-side infrastructure work, up to the first point of interconnection with the Participant's Charging Equipment.

Make-Ready Rebate:

The rebate intended to offset a portion of the Participant's costs if Participant elects to perform the customer-side make-ready infrastructure work, following the completed installation of the make-ready infrastructure and submission of required documentation.

Network Service Provider:

The third-party entity that will provide Network Services for the Charging Equipment. The Network Service Provider will be required to transmit port level data and other information to SCE complying with Program requirements. The specific requirements are further described in the Program Handbook.

Preliminary Design:

The set of engineered, working drawings of the Infrastructure. The design includes project specifications, conduit routing, electrical equipment specifications and calculations, project related Site improvements and construction details.

Program:

Also referred to as the Charge Ready Transport Program (CRTP). The Charge Ready Transport Program is designed to help Program Participants install the charging infrastructure needed to electrify their medium- and heavy-duty fleets and non-road vehicles.

Program Handbook:

The Charge Ready Transport Program Handbook is a document that provides a description of the Program offering, Program Participant obligations and related activities. The Program Handbook is incorporated into this Agreement by reference, and the Program Participant and SCE are required to follow the Program Handbook, as such document may be amended or supplemented from time to time.

Program Participant or Customer:

The SCE non-residential customer that enters into this Agreement.

Property Owner/Site Owner:

Individual or entity authorized representative of entity holding title in the Site where the Charging Equipment and Infrastructure will be located.

Rebate Payment:

The payment made by SCE to Program Participant, or its designated assignee, after the eligible Program Participant procures and installs the Charging Equipment or meets the requirements of the Make-Ready Rebate, in accordance with this Agreement, as verified by SCE, in SCE's sole discretion. The Rebate Payment may include the Charging Equipment Rebate, the Make-Ready Rebate, or both as applicable.

Reservation Approved Date:

Date on which the Agreement is executed by SCE, which will be after the Program Participant executes the Agreement. The Reservation Approved Date is set forth in Section 24 hereof.

Site:

The premises, owned, leased or operated by Program Participant, where the Charging Equipment will be installed.

Utility-side Infrastructure:

See "Make-Ready Infrastructure".

7. Eligibility:

Program Participant certifies that it meets, and will continue to meet throughout its participation in the Program, all eligibility requirements of the Program, including, but not limited to:

a. Program Participant agrees to purchase and install the Charging Equipment, as set forth in this Agreement. Program Participant agrees that the number of Charging Stations, the models and their charging level cannot be modified after execution of this Agreement, without express written consent of SCE, at SCE's discretion.

b. Program Participant agrees to adhere to the Electric Vehicle (EV) Acquisition Plan.

c. Program Participant is a non-residential SCE customer with at least one active service account with SCE.

d. The Site is located in SCE's service territory.

e. Program Participant agrees to provide, or cause the Site Owner to provide, SCE with the rights of way across public or private property (as applicable) and to obtain any necessary permits to install Charging Equipment, without cost to SCE.

f. Program Participant will comply with all Program requirements outlined in the Program Handbook.

8. Program Participant Obligations and Representations and Warranties:

a. Agrees that any Charging Equipment installed will either be listed on SCE's Approved Product List or, if not listed, meets SCE's requirements as outlined in the Program Handbook. Program Participant will ensure that ALL Charging Equipment selected for installation under this Program, and during the commitment period, is first approved by SCE.

b. Agrees to procure, own, install, operate, and maintain the Charging Equipment in good working order at the site for not less than ten (10) years from the In-Service Date of Charging Equipment ("Commitment Period").

c. Agrees that if at any time during the Commitment Period the Charging Equipment is replaced, all associated costs will be the responsibility of the Program Participant.

d. Agrees to adhere to its Electric Vehicle (EV) Acquisition Plan. The Plan included in this Agreement may only be modified with consent of SCE, in SCE's sole discretion. Program Participant understands and agrees that it is responsible to pay a pro rata share of SCE's costs of the Infrastructure constructed to accommodate the EV Acquisition Plan, and, if applicable, to pay back a pro rata share of the Charging Equipment Rebate and Make-Ready Rebate paid by SCE to Program Participant or its designated assignee, if applicable, to the extent that Program Participant does not acquire all of the EVs set forth in the EV Acquisition Plan.

e. Agrees to contract with a qualified electric vehicle charging equipment Network Service Provider to record and transmit EV charging usage data supporting on-road vehicles for not less than five (5) years from the In-Service Date of the Charging Equipment.

f. Agree to obtain the consent of its qualified Network Service Provider to provide SCE, or SCE's designated agent or vendor, with access to certain information required by the CPUC, including, but not limited to, the duration of each charge, rate, cost, and load.

g. Agrees that SCE, or SCE's designated agent or vendor, may collect or receive this data directly from the Program Participant's contracted EV Network Service Provider.

h. Authorizes SCE to act on Program Participant's behalf to share Program Participant's billing records, billing history and all meter usage data used for bill calculation for all meters participating in the Charge Ready Transport program with third-party program evaluators. This authorization expires five (5) years from the date Program Participant turns on service for the EVSE installed as part of Charge Ready Transport.

i. Acknowledges and agrees that the actual Infrastructure may vary from the Conceptual Design, if, in SCE's sole discretion, actual Site conditions or AHJ direction requires such changes. If the Customer elects the "SCE-installed make-ready" option in Section 5 hereof, then Customer:

    a. Acknowledges and agrees that SCE shall own all Make-Ready Infrastructure, including but not limited to, the Customer Side Of The Meter Infrastructure on the Program Participant's property.

    b. Acknowledges and agrees that Program Participant will convey to SCE all already-existing Make-Ready Infrastructure located on the property and that is owned by the Customer, as well as provide any necessary easements, as may be required by SCE on the Customers or third party property for SCE to install, access, and maintain the Make-Ready Infrastructure. Customer shall convey any such necessary Make Ready Infrastructure or easements to SCE, promptly and using SCE's standard conveyance and/or easement agreements, as applicable, found at https://www.sce.com/business/electric-cars/charge-ready-transport/charge-ready-transport-resources

    c. Agrees to allow SCE to secure such access to the Make Ready Infrastructure located before SCE will energize any of the Make-Ready Infrastructure.

j. Acknowledges that funding pursuant to this Agreement is only reserved after SCE receives a copy of this Agreement signed by Program Participant and Property Owner (if different from Program Participant) and SCE executes the Agreement. The Program Participant also acknowledges that reserved funding may be withdrawn and SCE may terminate this Agreement, both in SCE's sole discretion, if Program Participant breaches the Agreement, including, but not limited to, failing to follow the EV Acquisition Plan or failing to construct and install the customer-side make-ready infrastructure, if Program Participant elects the Self-Installed Customer-Side Make-Ready.

k. Agrees to comply with all requirements, including providing the required documentation in the established timelines, set forth in the Charge Ready Transport Program Handbook.

l. Represents and warrants, to the best of Program Participant's knowledge after reasonable investigation, that the Site is free of hazardous contamination, other safety hazards, and other environmental or physical conditions impacting the ability to perform work on or at the Site.

m. Represents and warrants that in the event that Program Participant has applied for or received any other incentives or rebates for the Charging Equipment, Program Participant shall notify SCE of any such incentives or rebates as soon as reasonably practicable. In the event that any such incentives or rebates, when combined with the Charging Equipment Rebate, would reimburse Program Participant for more than 100 percent of the cost of the Charging Equipment, SCE shall decrease the Charging Equipment Rebate amount if not yet paid, or if already paid, submit a reimbursement request to the Program Participant for the amount of the Rebate Payment exceeding 100 percent of the cost of the Charging Equipment.

n. Agrees to submit a completed IRS tax form W-9, and California Franchise Tax Board form 590 if applicable, in order for SCE to process any Rebate Payment. If the Program Participant does not qualify to receive any rebates under this program, these forms will not be required.

o. Represents and warrants that the execution and delivery of this Agreement, and the performance by Program Participant of its obligations under this Agreement, have been duly and validly authorized, and this Agreement is a legal, valid and binding obligation of Program Participant.

p. Agrees to ensure state-licensed and insured general contractors and installers of any Self-Installed Customer-Side Make-Ready infrastructure are IBEW-signatory and EVITP certified.

q. Represents and warrants that it has, or will, contract with a licensed Charging Equipment installer that meets all requirements of the Program.

r. Agrees to participate in Customer Satisfaction Surveys following completion of the Project, upon request of SCE.

s. Agrees to ensure information of newly installed and accessible to the general public Charging Equipment are registered with the US Department of Energy's Alternative Fuel Data Center (https://afdc.energy.gov/stations/#/analyze) and only one set of information is reported between the Program Participant and Charging Equipment Supplier.

t. Agrees to comply with all requirements included in the CPUC's Transportation Electrification Safety Requirements Checklist for customer-side make-ready infrastructure work.

u. Agrees to report any charging equipment that is publicly-accessible to the US Department of Energy's EV Charging Station Locations mapping tool, accessible at: https://www.afdc.energy.gov/fuels/electricity_locations.html#/find/nearest?fuel=ELEC.

9. SCE Obligations:

a. SCE, at its sole discretion and in accordance with its applicable tariffs, design standards, and AHJ permitting requirem ents, will locate, design, and install the Infrastructure. SCE is responsible for all costs associated with Infrastructure deployed by SCE pursuant to this Agreement, except as otherwise specifically set forth herein. Notwithstanding the foregoing, SCE is not responsible for any costs to remedy any environmental or safety conditions at the Site. To that end, before commencing any work, SCE may require the Program Participant to fully complete, to the best of its ability, an SCE questionnaire regarding the relevant condition and history of the Site; and SCE and/or its contractors shall have the right to visually inspect all of the Site. Based on the questionnaire and Site visual inspection and any other available information, SCE, in its reasonable discretion: (i) may decline to proceed with any further work at the Site; or (ii) may decline to proceed with any further work at the Site except with Program Participant's agreement to additional reasonable environmental and other review and investigation of the Site, at Program Participant's expense, and reasonable remediation or mitigation of any such identified environmental or safety conditions, at Program Participant's expense. If SCE at any time discovers any such environmental or safety conditions during the performance of work at the Site, then SCE in its reasonable discretion may decline to proceed with any further work at the Site, unless and until such conditions are remediated to SCE's reasonable satisfaction, at Program Participant's expense.

b. SCE will pay the Charging Equipment Rebate, if applicable, after SCE has verified correct installation of the Charging Equipment, consistent with this Agreement, subject to Program Participant meeting all Program requirements. The actual Charging Equipment Rebate Payment amount shall not exceed the actual reasonable costs of the Charging Equipment, as set forth in the Final Invoice and consistent with the Program Participant's contract with the Charging Equipment Supplier(s).

c. SCE will pay the Make-Ready Rebate, if applicable, in accordance with the terms and conditions of this Agreement and the Customer-Side Make-Ready Infrastructure Installation Addendum.

10. Term and Termination:

a. Term: The term of this Agreement shall begin upon the date that both Parties have signed the Agreement and end ten (10) years from the In-Service Date of the Charging Equipment, unless otherwise terminated earlier pursuant to this Agreement ("Term").

b. Termination by SCE: SCE, in its sole discretion, may terminate this Agreement, if (1) the Program Participant fails to comply with any terms and conditions of this Agreement, including the Program Handbook, and does not cure such default within five (5) business days after receiving notice, or (2) SCE determines, in its sole discretion, that the costs of designing and installing the Infrastructure will exceed the maximum allowable costs for such Infrastructure pursuant to the CPUC's guidance (3) if any hazardous environmental conditions, safety, and/or security concerns exist. In the event of a safety or security concern, SCE may cease work under the Agreement immediately and take all other necessary actions, including but not limited to, disconnecting power to the Charging Equipment, in SCE's sole discretion, to cure such safety or security violation(s).

c. Termination Costs: If this Agreement is terminated prior to the end of the Term because (1) Program Participant terminates its participation in this Program for any reason, (2) Program Participant, prior to the end of the Commitment Period, fails to install, or removes without replacing, the Charging Equipment or Program Participant-owned make-ready infrastructure, if applicable; or (3) SCE terminates this Agreement pursuant to Section 10.b.1 (Termination by SCE; Program Participant's Failure to Comply) hereof, the Program Participant shall pay (a) all costs actually incurred, or committed to be incurred, by SCE, as of the termination date, in connection with designing and deploying the Infrastructure at the Site; and (b) the Rebate Payment (if already paid). If the Charging Equipment or the Make-Ready Infrastructure, if applicable , are installed, the amount due to SCE for both (a) and (b) above ·will be prorated over a ten-year period, beginning from the In Servic,e Date of the Charging Equipment. SCE will invoice the Program Participant for such-costs, and Program Participant shall pay such invoice within 60 days of receipt.

11. Indemnification and Liability; No Representations or Warranties:

a. Program Participant understands that SCE makes no representations regarding manufacturers, dealers, contractors, materials or workmanship of the Charging Equipment or, if Program Participant chooses the "Self-Installed Customer-Side Make-Ready" option, the Customer-Side of the Meter Make Ready Infrastructure. Further, SCE makes no warranty, whether express or implied, including without limitation the implied warranties of merchantability and fitness for any particular purpose, use, or application of the products and services under the Program. Program Participant agrees that SCE has no liability whatsoever concerning (1) the quality, safety or installation of such products, including their fitness for any purpose, (2) the workmanship of any third parties, (3) the installation or use of the products. Program Participant hereby waives any and all claims against SCE, its parent companies, directors, officers, employees, or agents ("SCE Parties"), arising out of activities conducted by or on behalf of SCE under the Program. Without limiting the generality of the foregoing, none of the SCE Parties shall be liable hereunder for any indirect, incidental, consequential, exemplary, reliance, punitive, lost profit or other business interruption damages, or special damages, including damages for loss of use, by statute, in tort or contract or otherwise.

b. Indemnification of SCE. To the fullest extent permitted by law, Program Participant shall indemnify, defend, hold harmless and release SCE, and its parent company, subsidiaries, affiliates, and their respective shareholders, officers, directors, employees, agents, representatives, successors, and assigns (collectively, the "Indemnified Parties"), from and against any and all claims, actions, suits, proceedings, losses, liabilities, penalties, fines, damages, costs, or expenses, including without limitation reasonable attorneys' fees (a "Claim"), resulting from (a) any breach of the representations, warranties, covenants, or obligations of Program Participant under this Agreement, (b) any act or omission of Program Participant, whether based upon Program Participant's negligence, strict liability, or otherwise, in connection with the performance of this Agreement, (c) any third-party claims of any kind, whether based upon negligence, strict liability, or otherwise, arising out of or connected in any way to Program Participant's performance or nonperformance under this this Agreement; or (d) from any harm or cost, known or unknown, associated with any hazardous materials, conditions, or site contamination, including, but not limited to, harm to SCE personnel, third parties, or customer applicant's employees, contractors, agents, and assigns. This indemnification obligation shall not apply to the extent that such injury, loss, or damage is caused by the sole negligence or willful misconduct of SCE.

c. Defense of Claim. If any Claim is brought against the Indemnified Parties, Program Participant shall assume the defense of such Claim, with counsel reasonably acceptable to the Indemnified Parties, unless in the opinion of counsel for the Indemnified Parties a conflict of interest between the Indemnified Parties and Program Participant may exist with respect to such Claim. If a conflict precludes Program Participant from assuming the defense, then Program Participant shall reimburse the Indemnified Parties on a monthly basis for the Indemnified Parties' defense costs through separate counsel of the Indemnified Parties' choice. If Program Participant assumes the defense of the Indemnified Parties with acceptable counsel, the Indemnified Parties, at their sole option and expense, may participate in the defense with counsel of their own choice without relieving Program Participant of any of its obligations hereunder.

12. Miscellaneous:

a. Applicability of Tariffs and Program Handbook and Precedence. This Agreement incorporates, by reference, the Program Handbook and any applicable SCE Tariff, including but not limited to SCE's Tariff Schedule CRTP. No provision of this Agreement is intended to contradict or supersede any applicable SCE Tariff, or applicable laws, each of which shall control in the event of an apparent contradiction with this Agreement, except that the applicant payment responsibilities set forth in Rules 15 and 16 (Distribution Line and Service Extensions) do not apply to the Program. Other applicable provisions of Rules 15 and 16 are not waived.

b. Survival. Program Participant's obligation to pay Termination Costs and to indemnify the Indemnified Parties shall survive the expiration or termination of this Agreement.

c. Assignment. Program Participant shall not assign this Agreement without the prior written consent of SCE; to be granted or denied in SCE's sole discretion. Any assignment and assumption shall be in a form acceptable to SCE, in SCE's sole discretion.

d. This Agreement is subject to the jurisdiction of the California Public Utilities Commission (CPUC). This Agreement shall, at all times, be subject to such changes or modifications by the CPUC, as the CPUC may, from time to time, direct in the exercise of its jurisdiction.

e. The payee should consult its tax advisor concerning the taxability of the Rebate Payment.

This Agreement will be signed electronically. After the Program Participant has uploaded the completed Agreement to the Charge Ready Portal, SCE will verify for completeness and accuracy and will execute the Agreement and reserve funding accordingly.

AGREEMENT BY PROGRAM PARTICIPANT

By signing in the space below, you represent that the information provided in this Agreement is true, accurate and complete, and that you will comply with the terms and conditions outlined in this Agreement. You also represent and warrant that you are a duly authorized representative of Program Participant with the requisite authority to enter into this Agreement. For federal government Program Participants, you must be a Contracting Officer authorized to enter into this Agreement.

13.	Does your organization own the property on which the site is located? ☑ Yes ☐ No
14.	Name of Property Owner Representative authorized to sign this Agreement (only required if your organization is not the property owner):
15.	Email address of Property Owner Representative authorized to sign this Agreement (only required if your organization is not the property owner):
16.	Are you the individual authorized to sign the Agreement? ☐ Yes ☑ No
17.	Authorized signer's email address: **cook@irwd.com**
18.	Name of Program Participant Representative: **Paul Cook**
19.	Title of Program Participant Representative: **General Manager**
20.	☐ I certify that the information provided is accurate and complete and that I have authority to sign this Agreement on behalf of Applicant.
21.	Date: **Signature:**

AGREEMENT BY PROPERTY OWNER

By signing in the space below, you represent and warrant that you are a duly authorized representative of the owner of the property on which the Site is located and that you have the requisite authority to consent to the use of the property in the manner set forth in this Agreement. You also represent that Property Owner hereby approves the installation and operation of the Infrastructure and the Charging Equipment, as well as any other necessary equipment to deploy the Charging Equipment pursuant to the Charge Ready Transport Program as described in this Agreement. You further agree to execute the Easement Agreement within 30 calendar days after Easement Agreement is provided by SCE.

22.	Name of Property Owner Representative:
23.	Title of Property Owner Representative:
24.	☐ I certify that I have authority to sign this Agreement on behalf of the Property Owner.
25.	Date: **Signature:**

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An EDISON INTERNATIONAL® Company

APPROVAL BY SCE AND RESERVATION OF FUNDS

26.	Name of SCE Representative:
27.	Title of SCE Representative:
28.	☐ I certify that I have authority to sign this Agreement on behalf of SCE.
29.	Reservation Approved Date:

March 18, 2025
Prepared by: M. Robinson / E. Akiyoshi
Submitted by: K. Burton
Approved by: Paul A. Cook

ENGINEERING AND OPERATIONS COMMITTEE

LONG-TERM CAPITAL PROGRAM AND CAPITAL BUDGET
FOR FISCAL YEARS 2025-26 AND 2026-27

SUMMARY:

Staff will present the IRWD Long-Term Capital Program and Capital Budget for Fiscal Years (FY) 2025-26 and 2026-27. The forecasted capital expenditures for FY 2025-26 and FY 2026-27 are $129.4 and $133.1 million, respectively. The Capital Budget is presented for information and discussion purposes prior to Board adoption on March 24, 2025.

BACKGROUND:

Since 2019, IRWD has reviewed and approved the Capital Budget on a biennial cycle. The presentation, provided as Exhibit "A", includes a review of the FY 2023-24 and FY 2024-25 earned value, a preview of the forecasted FY 2025-26 and FY 2026-27 capital expenditures, and an update on the Long-Term Capital Program.

For FY 2024-25, forecasted expenditures were estimated at $105.6 million. Actual expenditures are on target for $120 million, approximately 113% of forecasted expenditures. The estimated capital expenditures for FY 2025-26 and FY 2026-27 are $129.4 and $133.1 million, respectively.

The recommended project additions and increases requiring Board approval amount to $137.2 million. This includes increased expenditures in the capital budget that were planned for in IRWD's Replacement Planning Model (RPM), new capital project additions, and increases in budgets to existing capital projects. This is made up of amounts shown in the table below:

Component	Total
RPM to Biennial Capital Budget Transfers	$30.5 M
Biennial Capital Budget Changes	
- New Capital Project Additions	$75.8 M
- Existing Capital Budget Increases	$30.9 M
Total:	*$137.2 M*

FISCAL IMPACTS:

The following table shows the major expenditure groups for FY 2025-26 and FY 2026-27:

Expenditure Group	FY 2025-26 Forecast Expenditures	FY 2026-27 Forecast Expenditures
Replacement - Facilities	$49.9 M	$48.9 M
OC San Capital	$20.4 M	$7.4 M
Business Software	$13.0 M	$13.4 M
Operational	$12.9 M	$5.5 M
Water Banking	$12.7 M	$12.5 M
Development	$10.3 M	$18.1 M
General Plant	$3.2 M	$4.1 M
Non-potable Storage	$2.3 M	$13.8 M
Sewage Treatment	$1.7 M	$5.4 M
Water Resources	$1.2 M	$1.0 M
Planning	$1.0 M	$1.0 M
OCWD Annexation	$0.7 M	$0.7 M
Biosolids	$0.1 M	$1.3 M
Total:	*$129.4* M	*$133.1* M

The Capital Budget for FY 2025-26 and 2026-27, provided as Exhibit "B", provides schedule, cost, and funding details on all capital projects with anticipated expenditures in FY 2025-26 and FY 2026-27. Exhibit "C" provides a resolution approving the Capital Budget increases and project additions.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

That the Committee provide comments on the Long-Term Capital Program and Capital Budget for Fiscal Years 2025-26 and 2026-27 prior to Board adoption on March 24, 2025.

LIST OF EXHIBITS:

Exhibit "A" – Capital Budget Presentation
Exhibit "B" – Capital Budget for FY 2025-26 and 2026-27
Exhibit "C" – Resolution approving the Capital Budgets

DRAFT

LONG-TERM CAPITAL PROGRAM AND BIENNIAL CAPITAL BUDGET

FISCAL YEARS 2025-26 AND 2026-27

Engineering and Operations Committee
March 18, 2025

Irvine Ranch Water District

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WORKSHOP GOALS

- Provide an update on the Long-Term Capital Program
  - Replacement Planning Model (RPM)
  - Biennial Capital Budget
  - Future Capital Projects
- Review and approve the Biennial Capital Budget

Irvine Ranch Water District

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PRESENTATION OUTLINE

- Long-Term Capital Program (LTCP)
  - Give context and background for the LTCP
  - Discuss LTCP funding
  - Review projects transferred from RPM to Biennial Capital Budget
  - Update on new capital projects and budget increases
- Biennial Capital Budget
  - Review past two years' worth of capital earned value
  - Forecast FY 2025-26 & 2026-27 expenditures
  - Discuss funding for forecasted expenditures
- Conclusions and Recommendations

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LONG-TERM CAPITAL PROGRAM

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DEFINITIONS

- Long-Term Capital Program (LTCP)
  - Identifies all future planned replacement, regional, and development projects
  - Includes actual projects from the Biennial Capital Budget
  - Includes **all** replacement costs in the RPM
- Replacement Planning Model (RPM)
  - Estimates 50-year timing and replacement costs for all vertical and linear facilities
  - Provides input to Financial Replacement Model (FRPM) for developing replacement funding policies
- Biennial Capital Budget
  - Provides a vehicle to approve forecast RPM expenditures per IRWD's Capital Expenditure Procurement Policy by creating specific replacement funded projects through Board Resolution
  - Provides a vehicle to approve specific capital projects per IRWD's Capital Expenditure Procurement policy by creating and updating specific new capital funded projects through Board Resolution
- Financial Replacement Planning Model (FRPM)
  - Combines output from RPM and revenue streams to develop replacement funding strategies
- Connection Fee and Property Tax Modeling
  - Combines all regional and development projects and revenue streams to develop connection fees and property taxes: paid for by existing (Developed areas) and future customers (Developing areas)

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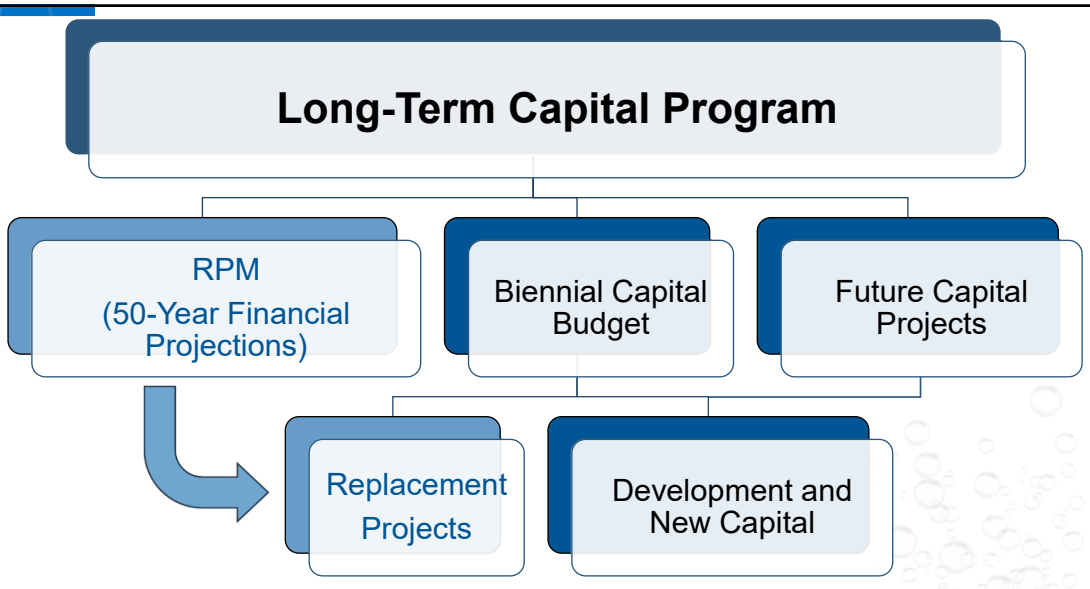

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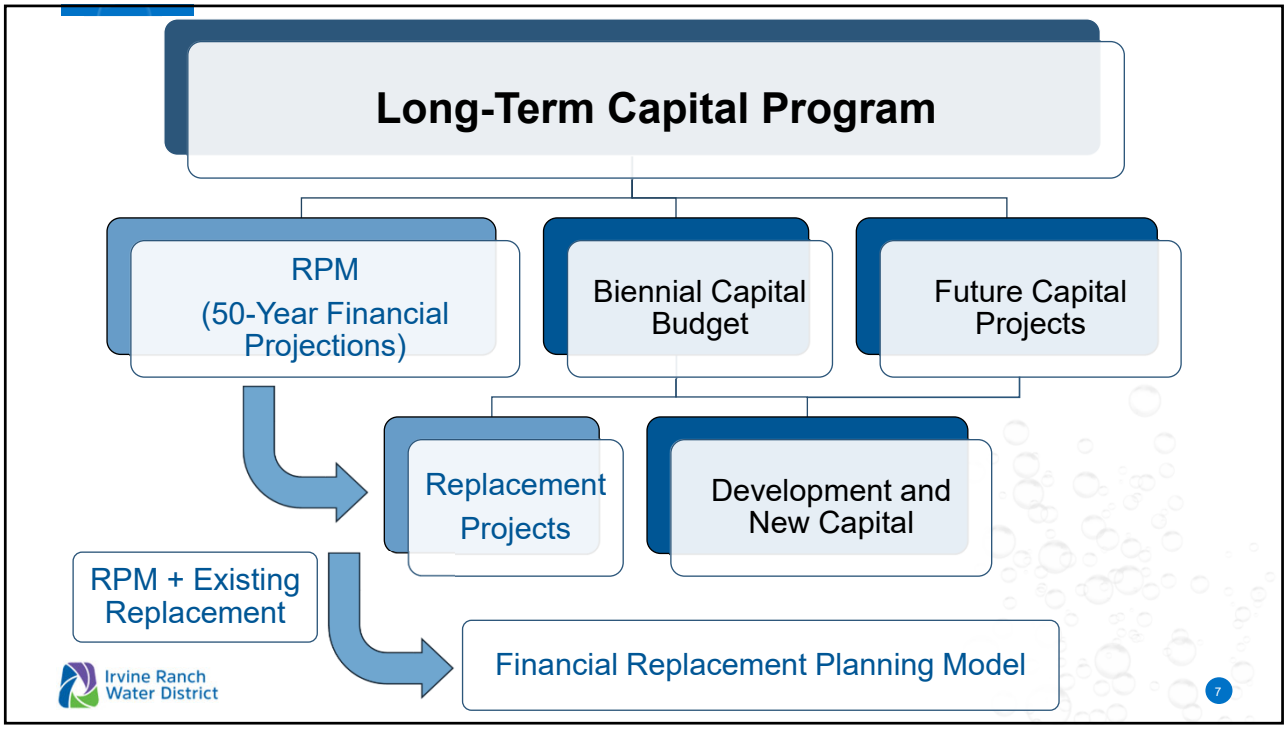
Long-Term Capital Program
RPM
(50-Year Financial Projections)
Biennial Capital Budget
Future Capital Projects
Replacement Projects
Development and New Capital
RPM + Existing Replacement
Financial Replacement Planning Model
Irvine Ranch Water District
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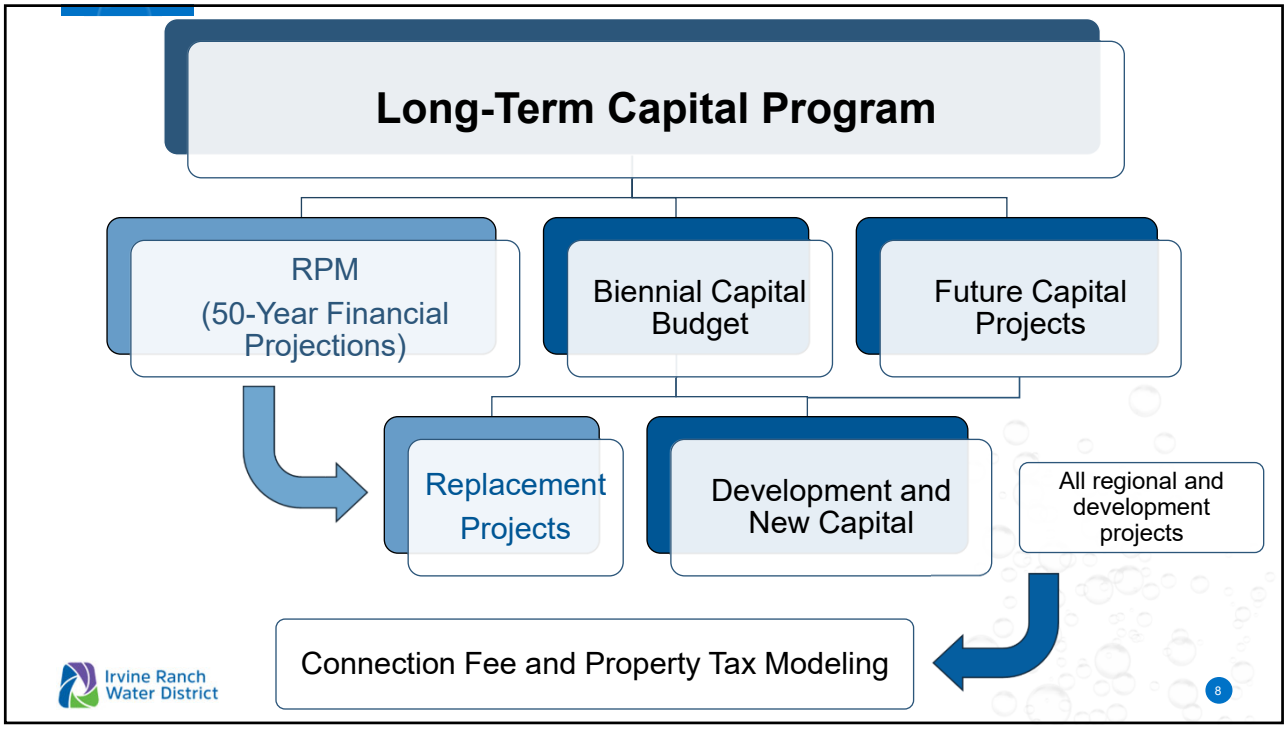
Long-Term Capital Program
RPM
(50-Year Financial Projections)
Biennial Capital Budget
Future Capital Projects
Replacement Projects
Development and New Capital
All regional and development projects
Connection Fee and Property Tax Modeling
Irvine Ranch Water District
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RPM OVERVIEW

Modernized RPM and adopted Continuous Refurbishment

- January 2018 - Synchronized with GIS to include all pipelines, pump stations, wells, tanks, and lift stations; migrated to Infrastructure Reinvestment Intelligence System (IRIS) model

Linear and Vertical Asset Updates

- November 2020 - Updated unit costs for pipelines, pump stations, wells, tanks, and lift stations.

Treatment Plants Update

- 2022 - Completed Sewage Treatment Master Plan, updated treatment plant replacement costs, refurbishment and replacement frequencies, and all associated process unit costs

2025 Optimization

- Optimize pipeline replacement schedule, update dams, add emergency pipeline replacements, new facilities, IT / Enterprise software

Irvine Ranch Water District

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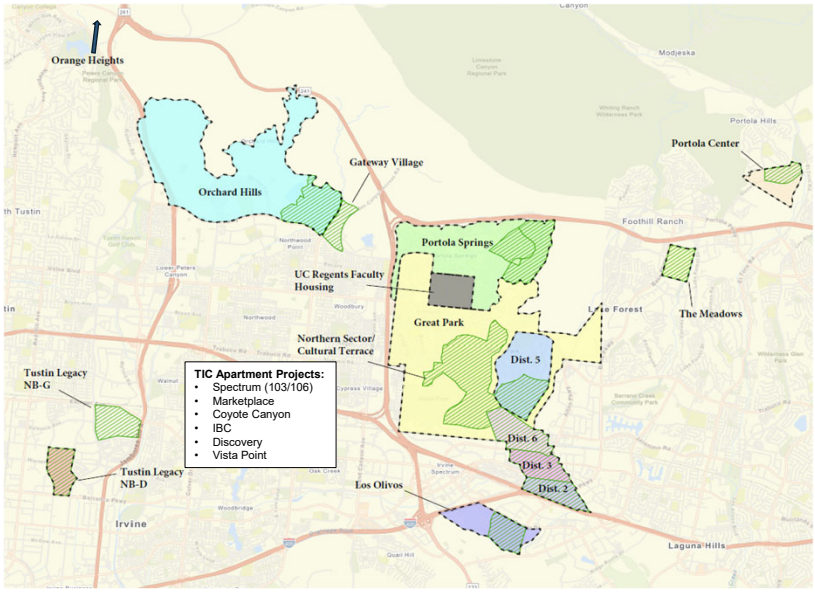
PROJECTED DEVELOPMENT THROUGH FY 2026-27

- Projected Development Areas:
  - Portola Center
  - Orchard Hills
  - Portola Springs
  - Great Park Neighborhoods (2,3,5,6)
  - Los Olivos
  - The Meadows
  - Tustin Legacy
  - UC Regents Faculty Housing
  - TIC Marketplace & Spectrum Apartments
  - Orange Heights
- Projected Dwelling units:
  - FY 2025-26: 1,500-2,000
  - FY 2026-27: 1,500-2,000



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LONG-TERM CAPITAL PROGRAM CHANGES

Component	Total
RPM to Biennial Capital Budget Transfers	**$30.5 M**
Biennial Capital Budget Changes	
- New Capital Project Additions	$75.8 M
- Existing Capital Budget Increases	$30.9 M
Subtotal	**$106.7 M**
Total	**$137.2 M**

Irvine Ranch Water District

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RPM TO BIENNIAL CAPITAL BUDGET TRANSFERS

Description	Current Approved Budget ($ Millions)	Proposed Budget ($ Millions)	Project Increases ($ Millions)
Pump Station Rehab - Coastal DW & RW	3.1	8.8	5.7
Tank Rehab - El Toro	0.5	4.3	3.8
Pipeline Relocations	0.0	3.4	3.4
Pump Station Rehab - Manning	0.0	3.0	3.0
Pipeline Replacement - San Joaquin Hills Road	0.0	2.8	2.8
Tank Rehab - Chapman	0.5	3.1	2.6
Pipeline Replacement - Park Plaza	0.0	1.4	1.4
PLC Upgrades	0.0	1.3	1.3
General System Mods	0.0	1.1	1.1
Well Rehab - OPA 1 and DRWF 7	0.6	1.6	1.1
Pipeline Replacement - Silverado Canyon	0.0	1.1	1.1
Pipeline Replacement - Turtle Rock / Concordia	0.0	0.8	0.8
Pump Station Rehab - Turtle Rock	0.8	1.5	0.7
RW PRV Decomissioning	0.0	0.7	0.7
Pump Station Rehab - IIC East	1.9	2.5	0.6
Pump Station Rehab - Lake Forest	2.2	2.5	0.3
		Total	**30.5**

Irvine Ranch Water District

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BIENNIAL CAPITAL BUDGET - NEW PROJECT ADDITIONS

Description	Project Increases ($ Millions)
Business Software	26.6
General System Mods	20.3
General Plant	7.3
Biosolids Gas Modifications	6.2
Howiler Pump Station	5.8
Water Resources	2.6
San Joaquin Dam Drainage	1.9
Planning	1.5
Howiler Supply Pipeline	1.4
EV Charging Facilities	1.0
Development - Orchard Hills	0.5
Biosolids Dust Mitigation	0.4
Security Upgrades	0.2
Total	**75.9**

Irvine Ranch Water District

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BIENNIAL CAPITAL BUDGET - EXISTING PROJECT INCREASES

Description	Current Approved Budget ($ Millions)	Proposed Budget ($ Millions)	Project Increases ($ Millions)
Orange Heights Tank and Pump Station	16.6	36.0	19.4
Future Water Supply	15.3	18.9	3.6
San Joaquin Reservoir Filtration	23.5	25.6	2.1
Biosolids Lift Station	3.3	4.9	1.6
Radio Tower Improvements	0.7	1.9	1.2
IT Core Network Upgrades	1.0	2.0	1.0
Fleming Tank and Pump Station	16.7	17.6	0.8
Emergency Generators	6.5	6.9	0.4
Development - Great Park Sewer	2.6	2.9	0.3
Educational Displays and Improvements	0.5	0.8	0.3
AMI Implementation Study	0.5	0.5	0.1
OPA PFAS Treatment	0.4	0.4	0.1
		Total	**30.9**

Irvine Ranch Water District

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LONG-TERM CAPITAL PROGRAM SUMMARY

Component	Total
Replacement Planning Model	**$4,300 M**
Biennial and Future Capital Budget	
- Replacement Funded Projects	$780 M
- Regional and Development Projects	$1,000 M
Total LTCP	**$6,080 M**

All costs and expenditures account for applicable offsets.

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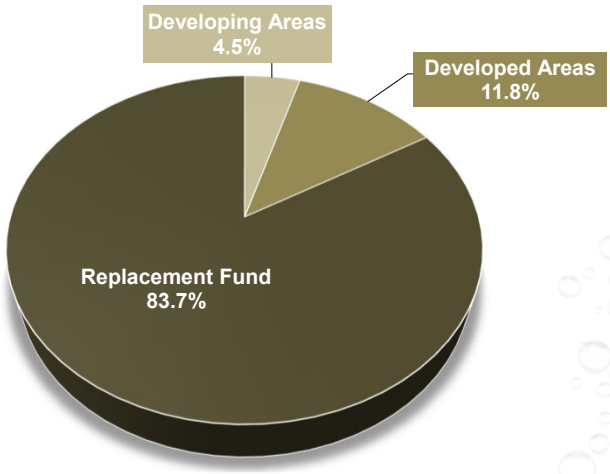
LONG-TERM CAPITAL PROGRAM FUNDING SOURCES

Long Term Capital Program = $6,080 Million



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BIENNIAL CAPITAL BUDGET

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BIENNIAL CAPITAL BUDGET

- Accomplishes the following objectives:
  - Forecasts work effort and two-year capital expenditures
  - Identifies all capital projects for next two years
  - Reflects Board approval for the capital budgets
  - Identifies “Flagged” projects for further Board discussion
  - Aligns with the two-year Operating Budget cycle, and includes General Plant projects

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PREVIOUS FORECAST VS. ACTUAL EARNED VALUE

- *Earned Value* includes actual expenditures and work completed but not yet invoiced
- FY 2023-24 & 2024-25 Capital Expenditures:

Fiscal Year	Original Forecast ($ Millions)	Earned Value ($ Millions)	Delta ($ Millions)	% Spent of Forecast
FY 2023-24	106.2	104.8	(1.4)	99%
FY 2024-25	105.6	120.0	14.4	113%

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EA0

COMPARE PREVIOUS FORECAST TO EARNED VALUE

No.	Description	FY 23-24 Delta ($ Millions)	FY 24-25 Delta ($ Millions)
1	Operational	(4.4)	2.8
2	Water Banking	(3.3)	(2.1)
3	Nonpotable Storage	(1.7)	(0.1)
4	Planning	(0.7)	(0.7)
5	OCWD Annexation	(0.2)	0.0
6	Water Resources	(0.1)	(0.5)
7	Solids Handling	(0.1)	0.5
8	Property Management	0.0	0.0
9	Baker WTP	0.0	0.0
10	Sewage Treatment	0.1	(0.2)
11	Replacement-Business Software	0.1	0.0
12	General Plant	0.3	0.0
13	Development	0.6	9.0
14	Replacement - Facilities	2.4	1.3
15	OC San Capital	5.7	4.3
	Total	**-1.4**	**14.4**

Irvine Ranch Water District

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PROPOSED CAPITAL BUDGET FISCAL YEARS 2025-26 AND 2026-27

Irvine Ranch Water District

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FY 2025-26 AND 2026-27 FORECAST EXPENDITURES

Description	FY 2025-26 Forecast Expenditures ($ Millions)	FY 2026-27 Forecast Expenditures ($ Millions)
Replacement - Facilities	49.9	48.9
OS San Capital	20.4	7.4
Business Software	13.0	13.4
Operational	12.9	5.5
Water Banking	12.7	12.5
Development	10.3	18.1
General Plant	3.2	4.1
Nonpotable Storage	2.3	13.8
Sewage Treatment	1.7	5.4
Water Resources	1.2	1.0
Planning	1.0	1.0
OCWD Annexation	0.7	0.7
Biosolids	0.1	1.3
Total	**129.4**	**133.1**

Irvine Ranch Water District

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TOP EXPENDITURE PROJECTS FISCAL YEAR 2025-26

Description	Forecasted Expenditures ($ Millions)
OC San Capital	20.4
Business Software	13.0
Kern Fan Groundwater Storage	12.5
General System Mods	11.0
MWRP Tertiary Filter Rehabilitation	8.2
Ops Warehouse	6.6
Santiago Dam Outlet And Spillway	5.3
Sewer Siphon Rehabilitation Phase 2	5.1
General Plant	3.2
Howiler Pipeline and Pump Station and Improvements	2.6
Syphon Reservoir Improvements	2.3
HVAC System Replacements	1.9
Lake Forest Woods Sewer Improvements	1.8
San Joaquin Dam Drainage Improvements	1.7
MWRP Biosolids Lift Station	1.6
Technology and Ada RW Pipe Replacement	1.5

Irvine Ranch Water District

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TOP EXPENDITURE PROJECTS FISCAL YEAR 2026-27

Description	Forecasted Expenditures ($ Millions)
Syphon Reservoir Improvements	13.8
Business Software	13.4
Kern Fan Groundwater Storage	12.5
OC San Capital	7.4
Orange Heights RW / DW BPS	6.6
Santiago Dam Outlet And Spillway	5.3
Howiler Pipeline and Pump Station Improvements	5.1
Orange Heights Domestic Water Reservoir	4.3
General Plant	4.1
Coastal Zone 2 And Coastal Zone 4 Pump Stations Rehabilitation	3.8
Sewer Siphon Rehabilitation Phase 2	3.6
MWRP Expansion Phase 3 (MBR)	3.1
MWRP Tertiary Filter Rehabilitation	2.8
Lake Forest Woods Sewer Improvements	2.7
Lake Forest Zone 4 El Toro Tanks 1 & 2 Rehabilitation	2.4
HVAC System Replacement	2.3
Chapman Tank Rehabilitation	2.2
DRWF Wellsite Rehab Wells 6, 12, 14, 15	2.2
MWRP Biosolids Lift Station	2.1
Manning Pump Station Replacement	1.5

Irvine Ranch Water District

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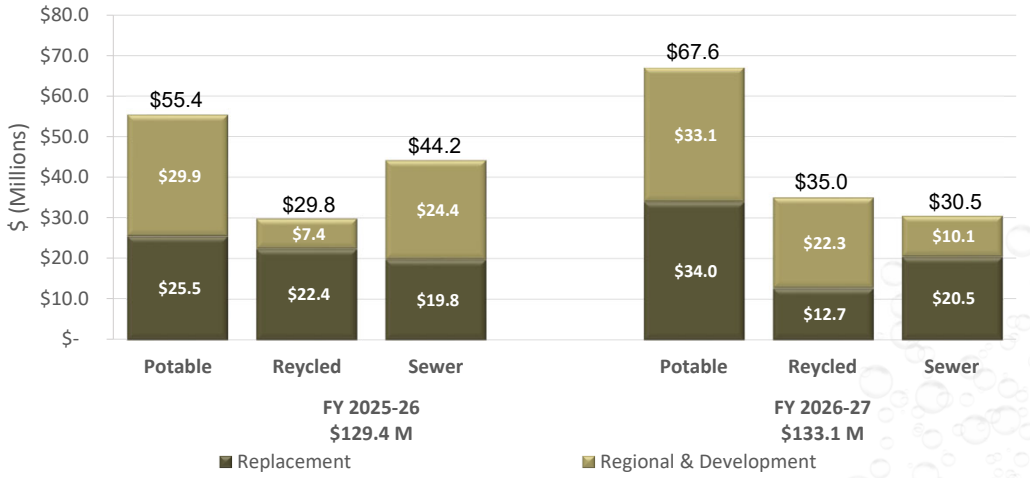
EXPENDITURES BY SYSTEM



Irvine Ranch Water District

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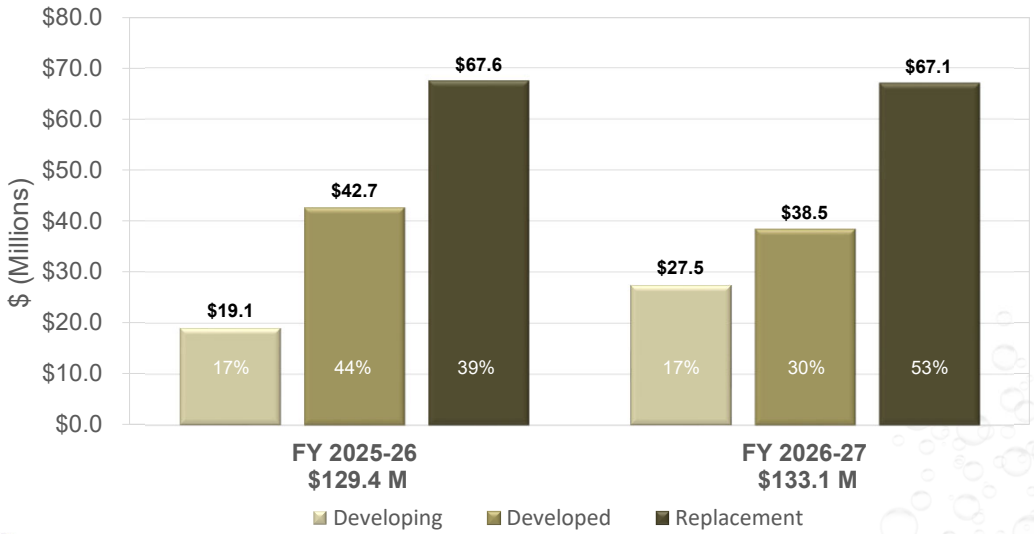
FUNDING SOURCES



Irvine Ranch Water District

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CONCLUSIONS

- Staff identified $30.5 M in transfers from the RPM, increases to existing project budgets, and creation of new capital and development driven projects
- The RPM will be updated with optimized pipeline replacement scheduling, condition assessments, dam costs, enterprise software, SCADA, and IT infrastructure costs

Irvine Ranch Water District

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RECOMMENDATIONS

- Update the IRIS RPM with new facilities and pipeline replacement scheduling
- That the Board Adopt RESOLUTION NO. 2023 –

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY CALIFORNIA, APPROVING THE DISTRICT'S CAPITAL BUDGET FOR FISCAL YEAR 2025-26 and 2026-27

Irvine Ranch Water District

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Irvine Ranch Water District
Capital Budget for Fiscal Year 2025-26 and Fiscal Year 2026-27 Section 1 - Projected Expenditures by Project

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																		
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Potable Capital	13205	1-5 SEGMENT 1 SAND CANYON 12-INCH DOMESTIC WATER RELOCATION	2/1/2025	2/28/2027	$381,163	$87,674	$500,577	100.0																		
Potable Capital	13248	ACCESS CONTROL AND BADGE UPGRADES DW	7/1/2025	2/28/2026	$10,000	$0	$10,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Recycled Capital	13249	ACCESS CONTROL AND BADGE UPGRADES RW	7/1/2025	2/28/2026	$10,000	$0	$10,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Sewer Capital	13250	ACCESS CONTROL AND BADGE UPGRADES SS	7/1/2025	2/28/2026	$10,000	$0	$10,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Potable Capital	12514	AMI IMPLEMENTATION - DW	1/1/2023	6/30/2026	$80,659	$0	$270,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Recycled Capital	12515	AMI IMPLEMENTATION - RW	1/1/2023	6/30/2026	$80,659	$0	$270,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Potable Capital	13200	BAKER PLANT 6-INCH BWTP CAUSTIC FEED LINE REPLACEMENT	2/10/2025	11/30/2026	$298,033	$84,086	$435,750	100.0																		
Sewer Capital	13224	BIOSOLIDS FEED ROOM DUST MITIGATION SYSTEM	6/1/2026	6/30/2028	$18,199	$213,256	$388,300										5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4	
Sewer Capital	13225	BIOSOLIDS GAS SYSTEM MODIFICATIONS	6/1/2026	6/30/2028	$57,000	$1,054,385	$6,240,000										100.0									
Potable Capital	11593	BRIDGE 172 AT MODJESKA CANYON RD/MARKUSON RD DW IMPROVEMENTS	6/16/2017	7/31/2026	$411,357	$9,408	$564,900	100.0																		
Potable Capital	11588	BRIDGE 174 AT SILVERADO CANYON ROAD, COMMUNITY CENTER IMPROVEMENTS	5/1/2021	12/31/2026	$419,685	$51,920	$940,000	100.0																		
Potable Capital	11587	BRIDGE 175 AT SILVERADO CANYON RD, LADD CANYON DW IMPROVEMENTS	3/1/2020	7/31/2028	$181,532	$119,213	$674,900	100.0																		
Potable Capital	11589	BRIDGE 177 AT SILVERADO CANYON RD READ RESERVOIR DW IMPROVEMENTS	3/18/2020	4/30/2026	$501,329	$0	$1,200,000	100.0																		
Potable Capital	13231	CABINLAND POTATBLE PIPELINE REPLACEMENTS	2/1/2025	6/30/2028	$35,294	$5,000	$1,055,000	100.0																		
Recycled Capital	07086	CALIFORNIA AVE RW PIPELINE-ACADEMY TO THEORY	6/1/2027	6/30/2029	$0	$7,308	$814,000										100.0									
Potable Capital	13233	CCTV IMPLEMENTATION AT REMOTE FACILITIES DW	8/1/2025	2/28/2026	$55,000	$0	$55,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Recycled Capital	13242	CCTV IMPLEMENTATION AT REMOTE FACILITIES RW	8/1/2025	2/28/2026	$55,000	$0	$55,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Sewer Capital	13244	CCTV IMPLEMENTATION AT REMOTE FACILITIES SS	8/1/2025	2/28/2026	$55,000	$0	$55,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Potable Capital	12569	CHAPMAN TANK REHABILITATION	2/13/2023	7/30/2027	$537,189	$2,179,726	$3,069,000	100.0																		

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																				
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Potable Capital	11912	COASTAL ZONE 2 AND COASTAL ZONE 4 PUMP STATIONS REHABILITATION	3/15/2021	6/30/2028	$306,369	$3,792,316	$6,612,500	100.0																				
Recycled Capital	11568	COASTAL ZONE B AND COASTAL ZONE D PUMP STATIONS ELECTRICAL SYSTEM REPLACEMENT	6/1/2026	4/30/2029	$26,840	$322,075	$2,237,000										100.0										
Potable Capital	12543	CORE NETWORK UPGRADES-DW	6/1/2025	12/31/2026	$591,598	$71,876	$667,000	100.0																				
Recycled Capital	13008	CORE NETWORK UPGRADES-RW	6/1/2025	12/31/2026	$590,967	$71,560	$666,000										100.0										
Sewer Capital	13009	CORE NETWORK UPGRADES-SS	6/1/2025	12/31/2026	$591,598	$71,876	$667,000										100.0										
Recycled Capital	06164	CP IMP-CULVER CP5 RECT AND ANODE BED REPLACEMENT	6/1/2026	6/30/2028	$7,394	$88,726	$291,000										100.0										
Potable Capital	06169	CP IMP-ZN 8-9 PIPELINE ANODE BED LEAD WIRE REPLACEMENT	6/1/2027	6/30/2029	$0	$10,831	$385,000	100.0																				
Potable Capital	13267	CUSTOMER INFORMATION SYSTEM DW	10/1/2025	4/30/2027	$1,206,000	$1,340,000	$2,546,000	100.0																				
Recycled Capital	13268	CUSTOMER INFORMATION SYSTEM RW	10/1/2025	4/30/2027	$1,206,474	$1,340,526	$2,547,000										100.0										
Sewer Capital	13269	CUSTOMER INFORMATION SYSTEM SS	10/1/2025	4/30/2027	$1,206,474	$1,340,526	$2,547,000										100.0										
Recycled Capital	12506	DAMS INSTRUMENTATION & DATA ACQUISITION UPGRADES	1/1/2024	6/30/2027	$485,901	$338,208	$1,386,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5		
Potable Capital	13270	DEVELOPMENT SERVICES MANAGEMENT SYSTEM DW	10/1/2025	4/30/2027	$499,263	$554,737	$1,054,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5											
Recycled Capital	13271	DEVELOPMENT SERVICES MANAGEMENT SYSTEM RW	10/1/2025	4/30/2027	$404,053	$448,947	$1,053,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5		
Sewer Capital	13272	DEVELOPMENT SERVICES MANAGEMENT SYSTEM SS	10/1/2025	4/30/2027	$498,790	$554,210	$1,053,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4	
Potable Capital	12620	DRWF WELLSITE REHAB GROUP 2	7/1/2026	7/31/2028	$0	$389,000	$1,588,000	100.0																			
Potable Capital	11570	DRWF WELLSITE REHAB WELLS 6, 12, 14, 15	7/1/2023	12/31/2027	$879,872	$2,178,923	$4,000,000	100.0																			
Potable Capital	12575	EDUCATIONAL DISPLAYS AND IMPROVEMENTS	4/1/2025	6/30/2027	$333,333	$333,333	$750,000	100.0																			
Potable Capital	11536	EMERGENCY GENERATOR FUEL STORAGE - DW	4/1/2019	6/30/2026	$313,384	$0	$4,102,000	65.0	12.3	1.7	1.2	16.2	2.7	0.1	0.6	0.2											
Sewer Capital	11537	EMERGENCY GENERATOR FUEL STORAGE - SS	4/1/2019	6/30/2026	$201,792	$0	$2,786,000										90.0	0.5	0.4	3.6	4.5		0.8		0.2		
Potable Capital	12518	ENGINEERING SUPPORT 25/26-26/27	7/1/2025	6/30/2027	$750,000	$750,000	$1,500,000		11.8	1.6	1.1	15.5	2.6	0.1	0.5	0.2		4.7	2.6	17.0	31.4	2.6	7.0	0.1	1.1	0.1	
Potable Capital	13273	ENTERPRISE DATA MANAGEMENT DW	10/1/2025	4/30/2027	$369,474	$410,526	$780,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5											
Recycled Capital	13274	ENTERPRISE DATA MANAGEMENT RW	10/1/2025	4/30/2027	$369,474	$410,526	$780,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5		

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																	
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Sewer Capital	13275	ENTERPRISE DATA MANAGEMENT SS	10/1/2025	4/30/2027	$369,474	$410,526	$780,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Potable Capital	13263	ENTERPRISE RESOURCE PLANNING DW	10/1/2025	4/30/2027	$1,875,789	$2,084,211	$3,960,000	100.0																	
Recycled Capital	13265	ENTERPRISE RESOURCE PLANNING RW	10/1/2025	4/30/2027	$1,875,789	$2,084,211	$3,960,000										100.0								
Sewer Capital	13266	ENTERPRISE RESOURCE PLANNING SS	10/1/2025	4/30/2027	$1,875,789	$2,084,211	$3,960,000										100.0								
Sewer Capital	11842	ETM REACH A REHABILITATION	6/1/2027	7/31/2032	$0	$3,571	$15,035,800										100.0								
Potable Capital	12971	EV CHARGING FACILITIES-DW	2/1/2025	12/31/2026	$192,815	$120,180	$331,100		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5									
Recycled Capital	13006	EV CHARGING FACILITIES-RW	2/1/2025	12/31/2026	$192,815	$120,180	$331,100											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Sewer Capital	13007	EV CHARGING FACILITIES-SS	2/1/2025	12/31/2026	$192,815	$120,180	$331,100											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Potable Capital	10101	FLEMING DW RESERVOIR AND PUMP STATION IMPROVEMENTS	1/1/2018	12/30/2025	$75,233	$0	$17,577,000	10.5	89.5																
Potable Capital	12521	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS DW 25/26	7/1/2025	6/30/2026	$6,283,000	$0	$6,283,000	100.0																	
Potable Capital	12522	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS DW 26/27	7/1/2026	6/30/2027	$0	$6,283,000	$6,283,000	100.0																	
Recycled Capital	12523	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS RW 25/26	7/1/2025	6/30/2026	$2,103,000	$0	$2,103,000										100.0								
Recycled Capital	12524	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS RW 26/27	7/1/2026	6/30/2027	$0	$2,103,000	$2,103,000										100.0								
Sewer Capital	12525	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS SS 25/26	7/1/2025	6/30/2026	$1,785,000	$0	$1,785,000										100.0								
Sewer Capital	12526	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS SS 26/27	7/1/2026	6/30/2027	$0	$1,785,000	$1,785,000										100.0								
Potable Capital	13234	GP_Dept 250_FY 25_26	7/1/2025	6/30/2026	$842,500	$0	$842,500	37.2	4.8	0.7	0.5	6.3	1.1	0.1	0.2	0.1	38.8	0.7	0.4	2.6	4.8	0.4	1.1			0.2
Potable Capital	13239	GP_Dept 250_FY 26_27	7/1/2026	6/30/2027	$0	$559,000	$559,000	28.9	2.7	0.4	0.3	3.6	0.6		0.1		57.3	0.4	0.2	1.6	2.9	0.2	0.7			0.1
Potable Capital	13235	GP_Dept 600_FY 25_26	7/1/2025	6/30/2026	$179,000	$0	$179,000	37.2	4.8	0.7	0.5	6.3	1.1	0.1	0.2	0.1	38.8	0.7	0.4	2.6	4.8	0.4	1.1			0.2
Potable Capital	13240	GP_Dept 600_FY 26_27	7/1/2026	6/30/2027	$0	$788,868	$788,868	28.9	2.7	0.4	0.3	3.6	0.6		0.1		57.3	0.4	0.2	1.6	2.9	0.2	0.7			0.1
Potable Capital	13236	GP_Dept 710_FY 25_26	7/1/2025	6/30/2026	$110,000	$0	$110,000	37.2	4.8	0.7	0.5	6.3	1.1	0.1	0.2	0.1	38.8	0.7	0.4	2.6	4.8	0.4	1.1			0.2
Potable Capital	13243	GP_Dept 710_FY 26_27	7/1/2026	6/30/2027	$0	$82,300	$82,300	28.9	2.7	0.4	0.3	3.6	0.6		0.1		57.3	0.4	0.2	1.6	2.9	0.2	0.7			0.1
Potable Capital	13237	GP_Dept 870_FY 25_26	7/1/2025	6/30/2026	$2,110,000	$0	$2,110,000	37.2	4.8	0.7	0.5	6.3	1.1	0.1	0.2	0.1	38.8	0.7	0.4	2.6	4.8	0.4	1.1			0.2

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																		
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Potable Capital	13245	GP_Dept 870_FY 26_27	7/1/2026	6/30/2027	$0	$2,656,629	$2,656,629	28.9	2.7	0.4	0.3	3.6	0.6		0.1		57.3	0.4	0.2	1.6	2.9	0.2	0.7		0.1	
Potable Capital	12513	HARDING CANYON DAM REHABILITATION	7/1/2023	6/30/2028	$143,746	$456,508	$951,500	100.0																		
Potable Capital	13174	HOWILER AND PUMP STATION AND MISCELLANEOUS IMPROVEMENTS	3/1/2025	9/30/2028	$626,200	$1,739,624	$5,801,250		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Potable Capital	13190	HOWILER FEED LINE JUNCTION STRUCTURE REPLACEMENT	2/1/2025	6/30/2027	$189,225	$1,173,931	$1,442,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Potable Capital	13149	HOWILER INTERTIE PIPELINE	12/1/2024	1/31/2027	$1,787,449	$2,209,474	$4,515,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Potable Capital	12550	HVAC SYSTEM REPLACEMENT AT SAND CANYON AND OPS DW	9/1/2023	7/31/2027	$969,275	$1,155,130	$2,294,000	100.0																		
Sewer Capital	12551	HVAC SYSTEM REPLACEMENT AT SAND CANYON AND OPS SS	9/1/2023	7/31/2027	$969,275	$1,155,130	$2,294,000										100.0									
Recycled Capital	13204	I-5 SEGMENT 2 CULVER 36 INCH RECYCLED WATER RELOCATION	2/1/2025	12/31/2027	$687,132	$753,223	$1,483,835										100.0									
Potable Capital	12827	IBC SIDEWALK PHASE 3 APPURTENANCE RELOCATIONS	10/1/2023	12/31/2026	$389,543	$471,229	$1,028,000	100.0																		
Potable Capital	13183	IDF SODIUM HYPOCHLORITE FEED SYSTEM REPLACEMENT	1/8/2025	12/31/2025	$468,090	$0	$535,500	100.0																		
Recycled Capital	12573	IDP PTP TREATMENT SYSTEM REPLACEMENT	8/1/2023	12/31/2025	$58,820	$0	$665,000										100.0									
Potable Capital	10854	KERN FAN GROUNDWATER STORAGE	7/1/2018	6/30/2030	$12,500,000	$12,500,000	$115,410,500		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Recycled Capital	11582	LAKE FOREST NAKASE 24 ZB RW (Code 7624)	1/1/2021	7/31/2025	$0	$0	$1,365,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Potable Capital	10096	LAKE FOREST NAKASE DW IMPROVEMENTS	1/1/2021	7/31/2025	$11,979	$0	$437,000					100.0														
Sewer Capital	11832	LAKE FOREST TRIBUTARY GRAVITY DIVERSION TO MWRP	6/1/2026	12/31/2029	$2,895	$238,070	$2,942,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Sewer Capital	11123	LAKE FOREST WOODS SEWER IMPROVEMENTS	7/1/2019	12/31/2027	$1,775,248	$2,655,352	$5,313,000										100.0									
Potable Capital	12568	LAKE FOREST ZONE 4 EL TORO TANKS 1 & 2 REHABILITATION	2/13/2023	6/30/2028	$1,149,253	$2,362,670	$4,291,000	100.0																		
Sewer Capital	11878	LAWRP PUMP STATION AND PIPELINE DIVERSION TO MWRP	6/1/2027	8/31/2031	$0	$800	$11,671,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Sewer Capital	12527	LAWRP SYSTEM REPLACEMENTS 25/26	7/1/2025	6/30/2026	$80,000	$0	$80,000										100.0									
Sewer Capital	12528	LAWRP SYSTEM REPLACEMENTS 26/27	7/1/2026	6/30/2027	$0	$80,000	$80,000										100.0									
Potable Capital	13258	LEGACY PLC UPGRADE DW	7/1/2025	6/30/2027	$362,595	$293,655	$656,250	100.0																		
Recycled Capital	13259	LEGACY PLC UPGRADE RW	7/1/2025	6/30/2027	$181,297	$146,828	$328,125										100.0									

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																		
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Sewer Capital	13260	LEGACY PLC UPGRADE SS	7/1/2025	6/30/2027	$181,297	$146,828	$328,125										100.0									
Sewer Capital	11749	LF NAKASE 12 INCH SANITARY SEWER (Code 7624)	7/1/2021	7/31/2025	$11,375	$0	$377,000														100.0					
Potable Capital	13191	MANNING PUMP STATION REPLACEMENT	1/1/2025	6/30/2028	$406,900	$1,456,521	$3,048,000	100.0																		
Potable Capital	13277	MAXIMO MAS UPGRADE DW	7/1/2025	9/30/2026	$400,000	$100,000	$500,000	100.0																		
Recycled Capital	13278	MAXIMO MAS UPGRADE RW	7/1/2025	9/30/2026	$400,000	$100,000	$500,000										100.0									
Sewer Capital	13279	MAXIMO MAS UPGRADE SS	7/1/2025	9/30/2026	$400,000	$100,000	$500,000										100.0									
Potable Capital	13238	MODJESKA GRADE ROAD DOMESTIC WATER PIPELINE RELOCATION PROJECT	2/16/2017	2/28/2026	$9,231	$0	$400,000	100.0																		
Sewer Capital	12555	MWRP BIOSOLIDS HANDLING UPGRADES	3/1/2025	12/31/2027	$116,912	$606,078	$1,065,000										100.0									
Sewer Capital	12541	MWRP BIOSOLIDS LIFT STATION	2/1/2023	4/30/2028	$1,592,168	$2,105,075	$4,911,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Sewer Capital	12552	MWRP DIGESTER REHABILITATION	7/1/2026	6/30/2028	$0	$106,858	$4,060,000										100.0									
Sewer Capital	11833	MWRP EXPANSION PHASE 3 (CAS) IMPROVEMENTS	6/1/2025	6/30/2031	$14,308	$634,555	$17,867,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Recycled Capital	01659	MWRP EXPANSION PHASE 3 (MBR)-RW	6/1/2025	6/30/2031	$32,769	$797,702	$21,258,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Sewer Capital	01797	MWRP EXPANSION PHASE 3 (MBR)-SS	6/1/2025	6/30/2031	$53,846	$1,665,830	$43,680,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Recycled Capital	07892	MWRP TERTIARY FILTER REHABILITATION	6/1/2018	12/31/2027	$8,198,892	$2,783,226	$24,375,600										100.0									
Recycled Capital	12531	NON-POTABLE WATER STUDIES 25/26-26/27	7/1/2025	6/30/2027	$249,998	$250,002	$500,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Potable Capital	05406	NTS-EL MODENA NTS MODIFICATIONS	7/1/2025	6/30/2027	$83,500	$263,500	$347,000	100.0																		
Sewer Capital	10502	OCSD CORF LONG TERM CAPITAL PROGRAM 2018 TO 2050	7/1/2017	6/30/2050	$7,301,000	$7,211,000	$210,379,000										72.7	0.9	0.9	9.0	13.3		2.6	0.1	0.4	0.1
Sewer Capital	10500	OCSD EQUITY LONG TERM CAPITAL PROGRAM 2018 TO 2050	7/1/2017	6/30/2050	$13,137,000	$163,000	$16,742,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Potable Capital	10503	OCWD ANNEXATION LONG TERM CAPITAL PROGRAM 2018 TO 2050	7/1/2017	1/30/2050	$663,800	$673,800	$22,861,400		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Potable Capital	07881	OPERATIONS CENTER CNG, DIESEL, GASOLINE FUELING FACILITY-DW	7/1/2017	12/31/2025	$204,628	$0	$4,276,000	33.3	23.4	3.2	2.3	30.9	5.2	0.3	1.1	0.3										
Sewer Capital	07882	OPERATIONS CENTER CNG, DIESEL, GASOLINE FUELING FACILITY-SS	7/1/2017	12/31/2025	$391,255	$0	$8,174,000										33.3	4.8	2.6	16.9	31.4	2.7	7.0	0.1	1.1	0.1
Potable Capital	11854	OPERATIONS CENTER PURCHASING WAREHOUSE-DW	7/1/2021	12/20/2026	$3,277,446	$456,966	$4,422,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																		
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Sewer Capital	11855	OPERATIONS CENTER PURCHASING WAREHOUSE-SS	7/1/2021	12/20/2026	$3,351,844	$380,413	$4,385,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Potable Capital	07376	ORA HTS N TRACT 17995 PH 1_12 DW (Code 6799)	6/1/2023	7/31/2027	$49,103	$75,110	$176,000						100.0													
Potable Capital	07378	ORA HTS N TRACT 17995 PH 2_12 DW (Code 6795)	6/1/2023	7/31/2027	$271,485	$405,826	$974,000						100.0													
Sewer Capital	07379	ORA HTS N TRACT 17995 PH 2_12 SS (Code 6795)	6/1/2023	7/31/2027	$57,191	$85,414	$205,000																100.0			
Recycled Capital	07377	ORA HTS N TRACT 17995 PH1_1_6 RW (Code 6799)	6/1/2023	7/31/2027	$45,400	$67,765	$162,800																100.0			
Recycled Capital	07380	ORA HTS N TRACT 17995PH2_ 6_8 RW (Code 6795)	6/1/2023	7/31/2027	$135,658	$202,829	$487,000																100.0			
Sewer Capital	07484	ORA HTS S TRACT 16199 15 SS (Code 6762)	6/1/2023	7/31/2027	$187,482	$281,155	$668,000																100.0			
Recycled Capital	07486	ORA HTS S TRACT 16199 RW (Code 6762)	6/1/2023	7/31/2027	$225,557	$337,386	$808,000																100.0			
Potable Capital	07451	ORA HTS SANTIAGO CYN RD AND JAMBOREE 12 DW (Code 6815)	6/1/2023	7/31/2027	$402,225	$614,427	$1,396,900						100.0													
Sewer Capital	07452	ORA HTS SANTIAGO CYN RD AND JAMBOREE 15 SS (Code 6815)	6/1/2023	7/31/2027	$151,772	$236,983	$500,000																100.0			
Recycled Capital	07453	ORA HTS SANTIAGO CYN RD AND JAMBOREE RW (Code 6815)	6/1/2023	7/31/2027	$619,964	$931,084	$2,228,300																100.0			
Potable Capital	07136	ORANGE HEIGHTS DOMESTIC WATER BPS	9/1/2023	7/31/2028	$152,752	$3,323,925	$6,906,750						100.0													
Potable Capital	07138	ORANGE HEIGHTS DOMESTIC WATER RESERVOIR	9/1/2023	12/31/2029	$556,475	$4,327,189	$22,160,250						100.0													
Recycled Capital	07139	ORANGE HEIGHTS RECYCLED WATER BPS	9/1/2023	7/31/2028	$152,752	$3,323,925	$6,906,750																100.0			
Potable Capital	12948	PA 1, OH NH4, 12" DW BACKBONE, IRWD CODE 7569	2/1/2023	7/31/2026	$133,733	$13,688	$259,000						100.0													
Sewer Capital	12965	PA 39 LOS OLIVOS DANA (S/O ANTIVO), 12_SS, CODE 8117	3/1/2024	4/30/2027	$135,295	$225,492	$462,000																100.0			
Potable Capital	12784	PA1 JEFFREY RD EXT 12DW 6&8RW	2/1/2024	1/31/2026	$257,001	$0	$605,000						100.0													
Recycled Capital	11500	PA1 JEFFREY RD EXT 6RW & 12RW (Code 7547)	1/1/2020	7/31/2026	$58,931	$5,192	$213,000																100.0			
Potable Capital	12781	PA1 NH4 TR19181 BACKBONE 12_DW IRWD CODE 8044	7/1/2023	7/31/2026	$195,603	$19,575	$382,000						100.0													
Recycled Capital	01722	PA1 NHB4 ORCHARD HILLS RW	7/1/2020	7/31/2027	$372,131	$491,829	$1,280,000																100.0			
Recycled Capital	13206	PA1 ORCHARD HILLS NB 4 RW ZC+ CODE 8266	2/4/2025	3/31/2027	$117,818	$329,285	$490,000																100.0			
Potable Capital	12511	PA12 INNOVATION PARK 12_DW (CODE 7963)	2/1/2023	3/31/2026	$110,538	$0	$245,000						100.0													

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																			
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Potable Capital	12510	PA40 MARINE WAY INTERIM 12DW (CODE 7957)	2/1/2023	3/31/2026	$581,319	$0	$1,200,000			50.0			50.0													
Sewer Capital	05788	PA51 ALTON PKWY SS RELOCATION 12 AND 18	8/1/2014	7/31/2027	$134,910	$147,110	$1,232,300											100.0								
Potable Capital	10796	PA51 D5 "P" ST & CHINON 12DW (Code 7262)	1/1/2021	7/31/2025	$3,194	$0	$147,000			100.0																
Recycled Capital	10862	PA51 D5 BB ST 12 RW	6/1/2019	7/31/2025	$5,256	$0	$297,000											100.0								
Recycled Capital	10255	PA51 D5 CADENCE S 10RW	4/1/2018	7/31/2025	$2,190	$0	$138,000											100.0								
Potable Capital	10254	PA51 D5 CADENCE S 12DW	4/1/2018	7/31/2025	$2,167	$0	$138,000			100.0																
Sewer Capital	10117	PA51 D5 CADENCE S FROM O TO CHINON 12SS	4/1/2018	7/31/2025	$8,606	$0	$487,000											100.0								
Recycled Capital	12232	PA51 D5 D6 CHINON FROM HARRIER TO TREBLE 10RW IRWD CODE 7809	3/1/2022	7/31/2025	$21,103	$0	$365,000											100.0								
Potable Capital	12231	PA51 D5 D6 CHINON FROM HARRIER TO TREBLE 12DW IRWD CODE 7809	3/1/2022	7/31/2025	$11,949	$0	$234,000			100.0																
Recycled Capital	12230	PA51 D5 D6 HARRIER FROM CHINON TO LYNX 10RW IRWD CODE 7808	3/1/2022	7/31/2025	$23,758	$0	$403,000											100.0								
Sewer Capital	12229	PA51 D5 D6 HARRIER FROM CHINON TO LYNX 12_15SS IRWD CODE 7808	3/1/2022	7/31/2025	$34,938	$0	$563,000											100.0								
Recycled Capital	10878	PA51 D5 F ST N ST 12_10RW	6/1/2019	7/31/2025	$5,256	$0	$317,000											100.0								
Potable Capital	12228	PA51 D5 HARRIER FROM CHINON TO LYNX 12DW CODE 7808	3/1/2022	7/31/2025	$48,913	$0	$763,000		100.0																	
Potable Capital	12371	PA51 D5D6 MRWY EO SKYHWK 12_DW CODE 7902	6/1/2022	7/31/2025	$68,602	$0	$1,135,000		100.0																	
Recycled Capital	12387	PA51 D5D6 MRWY EO SKYHWK 16_RW (CODE 7902)	8/1/2022	8/31/2025	$233,267	$0	$1,695,000											100.0								
Sewer Capital	12386	PA51 D5D6 MRWY EO SKYHWK 18_SS (CODE 7902)	8/1/2022	8/31/2025	$119,978	$0	$989,000											100.0								
Potable Capital	12432	PA51 D6 LYNX NO MRWY 12_DW CODE 7931	2/1/2023	3/31/2026	$110,538	$0	$245,000		100.0																	
Sewer Capital	12433	PA51 D6 LYNX NO MRWY 15_SS CODE 7931	2/1/2023	3/31/2026	$110,538	$0	$245,000											100.0								
Potable Capital	11176	PA51 D6 MARINE AND ALTON 12DW	6/1/2022	7/31/2025	$44,526	$0	$688,000		100.0																	
Recycled Capital	11177	PA51 D6 MARINE AND ALTON 16RW	6/1/2022	7/31/2025	$62,579	$0	$963,000											100.0								
Sewer Capital	10868	PA51 D6 P ST 18SS	6/1/2019	7/31/2026	$117,655	$10,225	$542,000											100.0								
Potable Capital	12404	PA51 D6 TRBLE_MRWY TO GP5 12_DW (CODE 7909)	8/1/2022	7/31/2026	$236,498	$22,360	$567,000		100.0																	

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																				
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Sewer Capital	12405	PA51 D6 TRBLE_MRWY TO GP5 18_SS (CODE 7909)	8/1/2022	7/31/2026	$534,363	$50,311	$1,296,000											100.0									
Recycled Capital	12406	PA51 D6 TRBLE_MRWY TO GP5 8_RW (CODE 7909)	8/1/2022	7/31/2026	$180,414	$16,770	$478,000											100.0									
Potable Capital	12143	PA51 GP5 12DW CODE 7740	2/1/2017	7/31/2025	$18,934	$0	$468,000			100.0																	
Recycled Capital	12145	PA51 GP5 8RW CODE 7740	2/1/2017	7/31/2025	$15,778	$0	$372,000											100.0									
Sewer Capital	12146	PA51 MARINE AND ALTON CREEK 24SS CODE 7806	2/1/2017	7/31/2025	$189,341	$0	$3,435,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4	
Potable Capital	11939	PA51 MARINE AND BAKE 12DW	5/1/2021	7/31/2025	$30,892	$0	$663,000			100.0																	
Potable Capital	06086	PA51 MARINE WAY FROM ALTON TO BARRANCA 12 DW ZN 3	1/1/2015	7/31/2025	$5,530	$0	$438,700			20.9			79.1														
Recycled Capital	13110	PA51 MARINE WAY STAGE 3 CAPITAL, 16" & 8" RW (CODE 8166)	2/16/2017	12/31/2026	$380,053	$307,651	$900,000											100.0									
Sewer Capital	13109	PA51 MARINE WAY STAGE 3 CAPITAL, 18" AND 16" SS (CODE 8166)	2/16/2017	12/31/2026	$526,834	$434,416	$1,200,000											100.0									
Potable Capital	13107	PA51 MARINE WAY STAGE 3, 12" DW CAPITAL (CODE 8166)	2/16/2017	12/31/2026	$295,420	$242,587	$710,000			100.0																	
Recycled Capital	06087	PA51 MARINE WAY-ALTON TO BARRANCA 16 RW ZN B	1/1/2015	7/31/2025	$5,968	$0	$481,600											87.4					12.6				
Sewer Capital	06048	PA51 MARINE WAY-ALTON TO BARRANCA 18 SS	1/1/2015	7/31/2027	$97,249	$105,354	$874,500											100.0									
Recycled Capital	10804	PA51 P ST & CADENCE 12_10RW	6/1/2019	7/31/2025	$11,171	$0	$497,000											100.0									
Sewer Capital	10107	PA51 REACH B SOUTH 12" SEWER FROM BARRANCA TO 5-FWY	6/1/2027	12/31/2029	$0	$19,643	$2,855,000											100.0									
Sewer Capital	12823	PA51 WHATNEY 24-INCH SANITARY SEWER UPSIZE (IRWD CODE 8001)	7/1/2023	12/31/2025	$60,000	$0	$875,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4	
Recycled Capital	01762	PA9B PHASE 5 GATEWAY PARK RW PIPES	7/1/2025	6/30/2029	$111,491	$157,311	$506,100																100.0				
Potable Capital	12584	PALO VERDE IRRIGATION DISTRICT PROPERTY IMPROVEMENTS	7/1/2023	6/30/2026	$10,667	$0	$88,000	35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5												
Recycled Capital	13106	PARK PLAZA 8" RW REPLACEMENT	7/1/2024	8/31/2025	$322,392	$0	$1,400,000									100.0											
Potable Capital	12558	POTABLE WATER STUDIES 25/26-26/27	7/1/2025	6/30/2027	$850,000	$850,000	$1,700,000	35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5												
Potable Capital	12565	R&R PS EAST IRVINE ZN 3-4	12/1/2025	12/31/2028	$472,973	$810,811	$2,500,000	100.0																			
Potable Capital	12566	R&R PS LAKE FOREST ZN 4-5 WEST	6/1/2026	6/30/2029	$67,568	$810,811	$2,500,000	100.0																			
Potable Capital	12567	R&R PS TURTLE ROCK ZN 3-4	6/1/2027	6/30/2030	$0	$40,541	$1,500,000	100.0																			

System	Project Number	Project Title	Start	End	FY 2025-26 Forecast	FY 2026-27 Forecast	Total Budget	Improvement Districts																		
								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Potable Capital	11154	RADIO TOWER IMPROVEMENTS-DW	7/1/2021	9/30/2026	$380,144	$11,071	$807,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Recycled Capital	11157	RADIO TOWER IMPROVEMENTS-RW	7/1/2021	9/30/2026	$383,478	$11,905	$555,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Sewer Capital	11156	RADIO TOWER IMPROVEMENTS-SS	7/1/2021	9/30/2026	$383,478	$11,905	$585,000											5.4	3.7	35.4	45.0		7.9	0.4	1.8	0.4
Recycled Capital	12101	RATTLESNAKE DAM REHABILITATION	7/1/2023	12/31/2027	$683,556	$26,889	$2,331,000										100.0									
Recycled Capital	12532	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 25/26	7/1/2025	6/30/2026	$200,000	$0	$200,000										100.0									
Recycled Capital	12533	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 26/27	7/1/2026	6/30/2027	$0	$200,000	$200,000										100.0									
Recycled Capital	10580	RW PIPELINE REPLACEMENT-SILKWOOD, WILLOWLEAF	6/1/2026	6/30/2028	$1,720	$140,640	$423,000										100.0									
Recycled Capital	13160	RW PRVS DECOMMISSIONING	10/1/2024	12/31/2025	$526,939	$0	$698,500										100.0									
Recycled Capital	13166	SAN JOAQUIN DAM DRAINAGE IMPROVEMENTS	11/18/2024	12/31/2025	$1,676,849	$0	$1,914,000										100.0									
Recycled Capital	13113	SAN JOAQUIN HILLS RD RW PIPELINE REPLACEMENT	6/1/2025	6/30/2028	$414,636	$1,407,527	$2,840,000										100.0									
Recycled Capital	10379	SAN JOAQUIN RESERVOIR FILTRATION FACILITY	2/1/2019	7/31/2025	$79,640	$0	$25,575,900											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Recycled Capital	13111	SAN JOAQUIN RESERVOIR VALVE ACTUATOR REPLACEMENT	7/1/2024	2/28/2026	$972,300	$0	$982,300										100.0									
Recycled Capital	12505	SAND CANYON DAM SPILLWAY REHABILITATION	7/1/2026	6/30/2028	$0	$315,000	$656,000										100.0									
Potable Capital	01398	SANTIAGO CANYON AREA PUMP STATION IMPROVEMENTS	6/1/2018	12/31/2025	$82,579	$0	$10,185,300		100.0																	
Potable Capital	01813	SANTIAGO DAM OUTLET AND SPILLWAY	7/1/2013	12/31/2031	$5,349,450	$5,349,452	$470,000,000	50.2	17.5	2.4	1.7	23.1	3.9	0.2	0.8	0.2										
Sewer Capital	11841	SEWER SIPHON REHABILITATION PHASE 2	2/1/2023	12/31/2027	$5,059,557	$3,615,758	$9,725,000										100.0									
Potable Capital	12570	SHAW TANK REHABILITATION	3/1/2025	12/31/2026	$272,727	$136,364	$500,000	100.0																		
Potable Capital	11746	SITES RESERVOIR PLANNING AND ENVIRONMENTAL REVIEW	12/1/2020	6/30/2026	$221,463	$0	$1,236,500		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5										
Sewer Capital	03750	SOCWA ETM PROTECTION-TRAIL BRIDGE CROSSING (PC 21)	7/1/2018	12/31/2028	$40,285	$405,235	$1,215,000										100.0									
Recycled Capital	03808	SYPHON RESERVOIR IMPROVEMENTS	6/1/2015	12/31/2032	$2,305,143	$13,752,367	$291,000,000											8.8	4.2	15.3	49.2	7.9	13.1		1.5	
Recycled Capital	12979	TECHNOLOGY AND ADA RW PIPE REPLACEMENT	4/1/2024	6/30/2027	$1,510,819	$804,634	$2,819,000										100.0									
Recycled Capital	13162	TURTLE ROCK RECYCLED WATER MAIN REPLACEMENT	11/1/2024	7/31/2026	$695,344	$27,888	$841,500										100.0									

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								1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2120	2130	2220	2250	2400	2530	2560	2850	2880
Potable Capital	13257	WEBSITE REDESIGN	7/1/2025	6/30/2026	$115,000	$0	$115,000	100.0																			
Recycled Capital	12264	WELL DESTRUCTION - WELLS 106 AND 72	7/1/2023	7/31/2025	$13,324	$0	$1,041,500										100.0										
Potable Capital	11720	WELL OPA 1 PFAS TREATMENT	10/1/2020	7/31/2025	$2,810	$0	$417,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5											
Potable Capital	12594	WELL REHAB - OPA1	3/2/2023	7/31/2025	$6,041	$0	$825,000	100.0																			
Potable Capital	13252	WELL REHAB-DRWF WELL 7	3/1/2025	12/31/2026	$478,394	$278,651	$819,500	100.0																			
Potable Capital	11847	WELL REHAB-IDP 110R	7/1/2023	7/31/2025	$13,324	$0	$1,006,500	100.0																			
Potable Capital	11137	WELL REHAB-IDP 76	7/1/2023	7/31/2025	$7,941	$0	$590,000	100.0																			
Potable Capital	11846	WELL REHAB-WELL 115R	7/1/2023	7/31/2025	$19,235	$0	$1,062,000	100.0																			
Potable Capital	11828	WELLS 51/52 EQUIPPING	6/15/2027	6/30/2029	$0	$85	$4,737,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5											
Potable Capital	11829	WELLS 51/52 PIPELINES TO DRWF	6/15/2027	6/30/2030	$0	$851	$14,150,000		35.1	4.8	3.4	46.4	7.8	0.4	1.6	0.5											
Recycled Capital	05476	ZONE A TO RATTLESNAKE RESERVOIR PUMP STATION	6/1/2017	7/1/2025	$32,750	$0	$22,008,000										100.0										
					$129,421,927	**$133,128,945**	**$1,647,759,859**																				

Irvine Ranch Water District
Capital Budget for Fiscal Year 2025-26 and Fiscal Year 2026-27
Section 2 - Flagged Projects

Project Number	Project Title	Flagged	Status
11828	WELLS 51/52 EQUIPPING	Yes	Board Approved
11829	WELLS 51/52 PIPELINES TO DRWF	Yes	Board Approved

Irvine Ranch Water District
Capital Budget for Fiscal Year 2025-26 and 2026-27
Section 3 - Forecasted Expenditures by Category

Expenditure Category	FY 2025-26 Direct	FY 2026-27 Direct	Total Direct
Development - Lake Forest	$23,354	$0	$2,179,000
Development - Other	$1,577,606	$1,319,433	$4,471,412
Development - PA1	$1,135,217	$859,569	$3,229,000
Development - PA39	$135,295	$225,492	$462,000
Development - PA40	$581,319	$0	$1,200,000
Development - PA51	$3,758,368	$1,356,427	$27,697,100
Development - PA9B	$111,491	$157,311	$506,100
Development - SHII	$3,007,815	$14,213,018	$43,579,750
General Plant	$3,241,500	$4,086,797	$7,328,297
Nonpotable Storage	$2,305,143	$13,752,367	$291,000,000
OCSD - CORF - Solids Lease	$20,438,000	$7,374,000	$227,121,000
OCWD Annexation	$663,800	$673,800	$22,861,400
Operational	$12,634,968	$4,361,419	$95,055,200
Planning	$750,000	$750,000	$1,500,000
Replacement - Facilities	$39,488,603	$37,724,267	$628,969,550
Replacement - FY System	$10,251,000	$10,251,000	$20,502,000
Replacement-Business Software	$10,446,316	$10,573,684	$21,020,000
Sewage Treatment	$103,818	$3,336,957	$97,418,000
Solids Handling	$1,784,278	$4,085,653	$16,664,300
Water Banking	$12,732,130	$12,500,000	$116,735,000
Water Resources	$3,713,647	$5,249,100	$12,916,250
Well Rehabilitation	$538,259	$278,651	$5,344,500
	$129,421,927	**$133,128,945**	**$1,647,759,859**

Irvine Ranch Water District
Capital Budget for Fiscal Year 2025-26 and Fiscal Year 2026-27
Section 4 - FY 2025-26 Details of Projected Expenditures by Category

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
Development - Lake Forest						
10096	LAKE FOREST NAKASE DW IMPROVEMENTS	$11,979	$437,000	$0	$11,979	$0
11582	LAKE FOREST NAKASE 24 ZB RW (Code 7624)	$0	$1,365,000	$0	$0	$0
11749	LF NAKASE 12 INCH SANITARY SEWER (Code 7624)	$11,375	$377,000	$0	$11,375	$0
		$23,354	**$2,179,000**	**$0**	**$23,354**	**$0**
Development - Other						
12511	PA12 INNOVATION PARK 12_DW (CODE 7963)	$110,538	$245,000	$0	$0	$110,538
12827	IBC SIDEWALK PHASE 3 APPURTENANCE RELOCATIONS	$389,543	$1,028,000	$389,543	$0	$0
13204	I-5 SEGMENT 2 CULVER 36 INCH RECYCLED WATER RELOCATIO	$687,132	$1,483,835	$687,132	$0	$0
13205	1-5 SEGMENT 1 SAND CANYON 12-INCH DOMESTIC WATER RE	$381,163	$500,577	$381,163	$0	$0
13238	MODJESKA GRADE ROAD DOMESTIC WATER PIPELINE RELOCA	$9,231	$400,000	$9,231	$0	$0
		$1,577,606	**$3,657,412**	**$1,467,068**	**$0**	**$110,538**
Development - PA1						
01722	PA1 NHB4 ORCHARD HILLS RW	$372,131	$1,280,000	$0	$0	$372,131
11500	PA1 JEFFREY RD EXT 6RW & 12RW (Code 7547)	$58,931	$213,000	$0	$0	$58,931
12781	PA1 NH4 TR19181 BACKBONE 12_DW IRWD CODE 8044	$195,603	$382,000	$0	$0	$195,603
12784	PA1 JEFFREY RD EXT 12DW 6&8RW	$257,001	$605,000	$0	$0	$257,001
12948	PA 1, OH NH4, 12" DW BACKBONE, IRWD CODE 7569	$133,733	$259,000	$0	$0	$133,733
13206	PA1 ORCHARD HILLS NB 4 RW ZC+ CODE 8266	$117,818	$490,000	$0	$0	$117,818
		$1,135,217	**$3,229,000**	**$0**	**$0**	**$1,135,217**
Development - PA39						

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
12965	PA 39 LOS OLIVOS DANA (S/O ANTIVO), 12_SS, CODE 8117	$135,295	$462,000	$0	$0	$135,295
		$135,295	**$462,000**	**$0**	**$0**	**$135,295**
Development - PA40						
12510	PA40 MARINE WAY INTERIM 12DW (CODE 7957)	$581,319	$1,200,000	$0	$0	$581,319
		$581,319	**$1,200,000**	**$0**	**$0**	**$581,319**
Development - PA51						
05788	PA51 ALTON PKWY SS RELOCATION 12 AND 18	$134,910	$1,232,300	$0	$0	$134,910
06048	PA51 MARINE WAY-ALTON TO BARRANCA 18 SS	$97,249	$874,500	$0	$0	$97,249
06086	PA51 MARINE WAY FROM ALTON TO BARRANCA 12 DW ZN 3	$5,530	$438,700	$0	$0	$5,530
06087	PA51 MARINE WAY-ALTON TO BARRANCA 16 RW ZN B	$5,968	$481,600	$0	$0	$5,968
10117	PA51 D5 CADENCE S FROM O TO CHINON 12SS	$8,606	$487,000	$0	$0	$8,606
10254	PA51 D5 CADENCE S 12DW	$2,167	$138,000	$0	$0	$2,167
10255	PA51 D5 CADENCE S 10RW	$2,190	$138,000	$0	$0	$2,190
10796	PA51 D5 "P" ST & CHINON 12DW (Code 7262)	$3,194	$147,000	$0	$0	$3,194
10804	PA51 P ST & CADENCE 12_10RW	$11,171	$497,000	$0	$0	$11,171
10862	PA51 D5 BB ST 12 RW	$5,256	$297,000	$0	$0	$5,256
10868	PA51 D6 P ST 18SS	$117,655	$542,000	$0	$0	$117,655
10878	PA51 D5 F ST N ST 12_10RW	$5,256	$317,000	$0	$0	$5,256
11176	PA51 D6 MARINE AND ALTON 12DW	$44,526	$688,000	$0	$0	$44,526
11177	PA51 D6 MARINE AND ALTON 16RW	$62,579	$963,000	$0	$0	$62,579
11939	PA51 MARINE AND BAKE 12DW	$30,892	$663,000	$0	$0	$30,892
12143	PA51 GP5 12DW CODE 7740	$18,934	$468,000	$0	$0	$18,934
12145	PA51 GP5 8RW CODE 7740	$15,778	$372,000	$0	$0	$15,778
12146	PA51 MARINE AND ALTON CREEK 24SS CODE 7806	$189,341	$3,435,000	$0	$152,230	$37,111
12228	PA51 D5 HARRIER FROM CHINON TO LYNX 12DW CODE 7808	$48,913	$763,000	$0	$0	$48,913

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
12229	PA51 D5 D6 HARRIER FROM CHINON TO LYNX 12_15SS IRWD C	$34,938	$563,000	$0	$0	$34,938
12230	PA51 D5 D6 HARRIER FROM CHINON TO LYNX 10RW IRWD CO	$23,758	$403,000	$0	$0	$23,758
12231	PA51 D5 D6 CHINON FROM HARRIER TO TREBLE 12DW IRWD C	$11,949	$234,000	$0	$0	$11,949
12232	PA51 D5 D6 CHINON FROM HARRIER TO TREBLE 10RW IRWD C	$21,103	$365,000	$0	$0	$21,103
12371	PA51 D5D6 MRWY EO SKYHWK 12_DW CODE 7902	$68,602	$1,135,000	$0	$0	$68,602
12386	PA51 D5D6 MRWY EO SKYHWK 18_SS (CODE 7902)	$119,978	$989,000	$0	$0	$119,978
12387	PA51 D5D6 MRWY EO SKYHWK 16_RW (CODE 7902)	$233,267	$1,695,000	$0	$0	$233,267
12404	PA51 D6 TRBLE_MRWY TO GP5 12_DW (CODE 7909)	$236,498	$567,000	$0	$0	$236,498
12405	PA51 D6 TRBLE_MRWY TO GP5 18_SS (CODE 7909)	$534,363	$1,296,000	$0	$0	$534,363
12406	PA51 D6 TRBLE_MRWY TO GP5 8_RW (CODE 7909)	$180,414	$478,000	$0	$0	$180,414
12432	PA51 D6 LYNX NO MRWY 12_DW CODE 7931	$110,538	$245,000	$0	$0	$110,538
12433	PA51 D6 LYNX NO MRWY 15_SS CODE 7931	$110,538	$245,000	$0	$0	$110,538
12823	PA51 WHATNEY 24-INCH SANITARY SEWER UPSIZE (IRWD COD	$60,000	$875,000	$0	$48,240	$11,760
13107	PA51 MARINE WAY STAGE 3, 12" DW CAPITAL (CODE 8166)	$295,420	$710,000	$0	$0	$295,420
13109	PA51 MARINE WAY STAGE 3 CAPITAL, 18" AND 16" SS (CODE 8	$526,834	$1,200,000	$0	$0	$526,834
13110	PA51 MARINE WAY STAGE 3 CAPITAL, 16" & 8" RW (CODE 816	$380,053	$900,000	$0	$0	$380,053
		$3,758,368	**$24,842,100**	**$0**	**$200,470**	**$3,557,898**
Development - PA9B						
01762	PA9B PHASE 5 GATEWAY PARK RW PIPES	$111,491	$506,100	$0	$0	$111,491
		$111,491	**$506,100**	**$0**	**$0**	**$111,491**
Development - SHII						
07136	ORANGE HEIGHTS DOMESTIC WATER BPS	$152,752	$6,906,750	$0	$0	$152,752
07138	ORANGE HEIGHTS DOMESTIC WATER RESERVOIR	$556,475	$22,160,250	$0	$0	$556,475
07139	ORANGE HEIGHTS RECYCLED WATER BPS	$152,752	$6,906,750	$0	$0	$152,752
07376	ORA HTS N TRACT 17995 PH 1_12 DW (Code 6799)	$49,103	$176,000	$0	$0	$49,103

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
07377	ORA HTS N TRACT 17995 PH1_1_6 RW (Code 6799)	$45,400	$162,800	$0	$0	$45,400
07378	ORA HTS N TRACT 17995 PH 2_12 DW (Code 6795)	$271,485	$974,000	$0	$0	$271,485
07379	ORA HTS N TRACT 17995 PH 2_12 SS (Code 6795)	$57,191	$205,000	$0	$0	$57,191
07380	ORA HTS N TRACT 17995PH2_ 6_8 RW (Code 6795)	$135,658	$487,000	$0	$0	$135,658
07451	ORA HTS SANTIAGO CYN RD AND JAMBOREE 12 DW (Code 681	$402,225	$1,396,900	$0	$0	$402,225
07452	ORA HTS SANTIAGO CYN RD AND JAMBOREE 15 SS (Code 6815	$151,772	$500,000	$0	$0	$151,772
07453	ORA HTS SANTIAGO CYN RD AND JAMBOREE RW (Code 6815)	$619,964	$2,228,300	$0	$0	$619,964
07484	ORA HTS S TRACT 16199 15 SS (Code 6762)	$187,482	$668,000	$0	$0	$187,482
07486	ORA HTS S TRACT 16199 RW (Code 6762)	$225,557	$808,000	$0	$0	$225,557
		$3,007,815	**$43,579,750**	**$0**	**$0**	**$3,007,815**
General Plant						
13234	GP_Dept 250_FY 25_26	$842,500	$842,500	$640,300	$159,233	$42,968
13235	GP_Dept 600_FY 25_26	$179,000	$179,000	$136,040	$33,831	$9,129
13236	GP_Dept 710_FY 25_26	$110,000	$110,000	$83,600	$20,790	$5,610
13237	GP_Dept 870_FY 25_26	$2,110,000	$2,110,000	$1,603,600	$398,790	$107,610
		$3,241,500	**$3,241,500**	**$2,463,540**	**$612,644**	**$165,317**
Nonpotable Storage						
03808	SYPHON RESERVOIR IMPROVEMENTS	$2,305,143	$291,000,000	$0	$1,668,923	$636,219
		$2,305,143	**$291,000,000**	**$0**	**$1,668,923**	**$636,219**
OCSD - CORF - Solids Lease						
10500	OCSD EQUITY LONG TERM CAPITAL PROGRAM 2018 TO 2050	$13,137,000	$16,742,000	$0	$10,562,148	$2,574,852
10502	OCSD CORF LONG TERM CAPITAL PROGRAM 2018 TO 2050	$7,301,000	$210,379,000	$5,307,827	$1,628,123	$365,050
		$20,438,000	**$227,121,000**	**$5,307,827**	**$12,190,271**	**$2,939,902**
OCWD Annexation						
10503	OCWD ANNEXATION LONG TERM CAPITAL PROGRAM 2018 TO	$663,800	$22,861,400	$0	$540,997	$122,803

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
		$663,800	**$22,861,400**	**$0**	**$540,997**	**$122,803**
Operational						
07881	OPERATIONS CENTER CNG, DIESEL, GASOLINE FUELING FACILIT	$204,628	$4,276,000	$68,141	$111,113	$25,374
07882	OPERATIONS CENTER CNG, DIESEL, GASOLINE FUELING FACILIT	$391,255	$8,174,000	$130,288	$199,540	$61,427
10101	FLEMING DW RESERVOIR AND PUMP STATION IMPROVEMENT	$75,233	$17,577,000	$7,900	$67,334	$0
10379	SAN JOAQUIN RESERVOIR FILTRATION FACILITY	$79,640	$25,575,900	$0	$57,659	$21,981
11154	RADIO TOWER IMPROVEMENTS-DW	$380,144	$807,000	$0	$309,818	$70,327
11156	RADIO TOWER IMPROVEMENTS-SS	$383,478	$585,000	$0	$308,316	$75,162
11157	RADIO TOWER IMPROVEMENTS-RW	$383,478	$555,000	$0	$277,638	$105,840
11720	WELL OPA 1 PFAS TREATMENT	$2,810	$417,000	$0	$2,290	$520
11854	OPERATIONS CENTER PURCHASING WAREHOUSE-DW	$3,277,446	$4,422,000	$0	$2,671,119	$606,328
11855	OPERATIONS CENTER PURCHASING WAREHOUSE-SS	$3,351,844	$4,385,000	$0	$2,694,883	$656,961
12506	DAMS INSTRUMENTATION & DATA ACQUISITION UPGRADES	$485,901	$1,386,000	$0	$351,792	$134,109
12514	AMI IMPLEMENTATION - DW	$80,659	$270,000	$0	$65,737	$14,922
12515	AMI IMPLEMENTATION - RW	$80,659	$270,000	$0	$58,397	$22,262
12573	IDP PTP TREATMENT SYSTEM REPLACEMENT	$58,820	$665,000	$58,820	$0	$0
12971	EV CHARGING FACILITIES-DW	$192,815	$331,100	$0	$157,144	$35,671
13006	EV CHARGING FACILITIES-RW	$192,815	$331,100	$0	$139,598	$53,217
13007	EV CHARGING FACILITIES-SS	$192,815	$331,100	$0	$155,023	$37,792
13233	CCTV IMPLEMENTATION AT REMOTE FACILITIES DW	$55,000	$55,000	$0	$44,825	$10,175
13242	CCTV IMPLEMENTATION AT REMOTE FACILITIES RW	$55,000	$55,000	$0	$39,820	$15,180
13244	CCTV IMPLEMENTATION AT REMOTE FACILITIES SS	$55,000	$55,000	$0	$44,220	$10,780
13248	ACCESS CONTROL AND BADGE UPGRADES DW	$10,000	$10,000	$0	$8,150	$1,850
13249	ACCESS CONTROL AND BADGE UPGRADES RW	$10,000	$10,000	$0	$7,240	$2,760
13250	ACCESS CONTROL AND BADGE UPGRADES SS	$10,000	$10,000	$0	$8,040	$1,960

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
13257	WEBSITE REDESIGN	$115,000	$115,000	$115,000	$0	$0
13270	DEVELOPMENT SERVICES MANAGEMENT SYSTEM DW	$499,263	$1,054,000	$0	$406,900	$92,364
13271	DEVELOPMENT SERVICES MANAGEMENT SYSTEM RW	$404,053	$1,053,000	$0	$292,534	$111,519
13272	DEVELOPMENT SERVICES MANAGEMENT SYSTEM SS	$498,790	$1,053,000	$0	$401,027	$97,763
13273	ENTERPRISE DATA MANAGEMENT DW	$369,474	$780,000	$0	$301,121	$68,353
13274	ENTERPRISE DATA MANAGEMENT RW	$369,474	$780,000	$0	$267,499	$101,975
13275	ENTERPRISE DATA MANAGEMENT SS	$369,474	$780,000	$0	$297,057	$72,417
		$12,634,968	**$76,168,200**	**$380,149**	**$9,745,834**	**$2,508,985**
Planning						
12518	ENGINEERING SUPPORT 25/26-26/27	$750,000	$1,500,000	$0	$587,250	$162,750
		$750,000	**$1,500,000**	**$0**	**$587,250**	**$162,750**
Replacement - Facilities						
01398	SANTIAGO CANYON AREA PUMP STATION IMPROVEMENTS	$82,579	$10,185,300	$0	$82,579	$0
01813	SANTIAGO DAM OUTLET AND SPILLWAY	$5,349,450	$470,000,000	$2,685,424	$2,171,877	$492,149
03750	SOCWA ETM PROTECTION-TRAIL BRIDGE CROSSING (PC 21)	$40,285	$1,215,000	$40,285	$0	$0
05406	NTS-EL MODENA NTS MODIFICATIONS	$83,500	$347,000	$83,500	$0	$0
05476	ZONE A TO RATTLESNAKE RESERVOIR PUMP STATION	$32,750	$22,008,000	$32,750	$0	$0
06164	CP IMP-CULVER CP5 RECT AND ANODE BED REPLACEMENT	$7,394	$291,000	$7,394	$0	$0
07892	MWRP TERTIARY FILTER REHABILITATION	$8,198,892	$24,375,600	$8,198,892	$0	$0
10580	RW PIPELINE REPLACEMENT-SILKWOOD, WILLOWLEAF	$1,720	$423,000	$1,720	$0	$0
11123	LAKE FOREST WOODS SEWER IMPROVEMENTS	$1,775,248	$5,313,000	$1,775,248	$0	$0
11536	EMERGENCY GENERATOR FUEL STORAGE - DW	$313,384	$4,102,000	$203,700	$89,315	$20,370
11537	EMERGENCY GENERATOR FUEL STORAGE - SS	$201,792	$2,786,000	$181,612	$16,345	$3,834
11568	COASTAL ZONE B AND COASTAL ZONE D PUMP STATIONS ELEC	$26,840	$2,237,000	$26,840	$0	$0
11570	DRWF WELLSITE REHAB WELLS 6, 12, 14, 15	$879,872	$4,000,000	$879,872	$0	$0

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
11587	BRIDGE 175 AT SILVERADO CANYON RD, LADD CANYON DW I	$181,532	$674,900	$181,532	$0	$0
11588	BRIDGE 174 AT SILVERADO CANYON ROAD, COMMUNITY CENT	$419,685	$940,000	$419,685	$0	$0
11589	BRIDGE 177 AT SILVERADO CANYON RD READ RESERVOIR DW I	$501,329	$1,200,000	$501,329	$0	$0
11593	BRIDGE 172 AT MODJESKA CANYON RD/MARKUSON RD DW I	$411,357	$564,900	$411,357	$0	$0
11841	SEWER SIPHON REHABILITATION PHASE 2	$5,059,557	$9,725,000	$5,059,557	$0	$0
11912	COASTAL ZONE 2 AND COASTAL ZONE 4 PUMP STATIONS REH	$306,369	$6,612,500	$306,369	$0	$0
12101	RATTLESNAKE DAM REHABILITATION	$683,556	$2,331,000	$683,556	$0	$0
12513	HARDING CANYON DAM REHABILITATION	$143,746	$951,500	$143,746	$0	$0
12543	CORE NETWORK UPGRADES-DW	$591,598	$667,000	$591,598	$0	$0
12550	HVAC SYSTEM REPLACEMENT AT SAND CANYON AND OPS DW	$969,275	$2,294,000	$969,275	$0	$0
12551	HVAC SYSTEM REPLACEMENT AT SAND CANYON AND OPS SS	$969,275	$2,294,000	$969,275	$0	$0
12565	R&R PS EAST IRVINE ZN 3-4	$472,973	$2,500,000	$472,973	$0	$0
12566	R&R PS LAKE FOREST ZN 4-5 WEST	$67,568	$2,500,000	$67,568	$0	$0
12568	LAKE FOREST ZONE 4 EL TORO TANKS 1 & 2 REHABILITATION	$1,149,253	$4,291,000	$1,149,253	$0	$0
12569	CHAPMAN TANK REHABILITATION	$537,189	$3,069,000	$537,189	$0	$0
12570	SHAW TANK REHABILITATION	$272,727	$500,000	$272,727	$0	$0
12575	EDUCATIONAL DISPLAYS AND IMPROVEMENTS	$333,333	$750,000	$333,333	$0	$0
12979	TECHNOLOGY AND ADA RW PIPE REPLACEMENT	$1,510,819	$2,819,000	$1,510,819	$0	$0
13008	CORE NETWORK UPGRADES-RW	$590,967	$666,000	$590,967	$0	$0
13009	CORE NETWORK UPGRADES-SS	$591,598	$667,000	$591,598	$0	$0
13106	PARK PLAZA 8" RW REPLACEMENT	$322,392	$1,400,000	$322,392	$0	$0
13111	SAN JOAQUIN RESERVOIR VALVE ACTUATOR REPLACEMENT	$972,300	$982,300	$972,300	$0	$0
13113	SAN JOAQUIN HILLS RD RW PIPELINE REPLACEMENT	$414,636	$2,840,000	$414,636	$0	$0
13160	RW PRVS DECOMMISSIONING	$526,939	$698,500	$526,939	$0	$0
13162	TURTLE ROCK RECYCLED WATER MAIN REPLACEMENT	$695,344	$841,500	$695,344	$0	$0

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
13166	SAN JOAQUIN DAM DRAINAGE IMPROVEMENTS	$1,676,849	$1,914,000	$1,676,849	$0	$0
13183	IDF SODIUM HYPOCHLORITE FEED SYSTEM REPLACEMENT	$468,090	$535,500	$468,090	$0	$0
13190	HOWILER FEED LINE JUNCTION STRUCTURE REPLACEMENT	$189,225	$1,442,000	$0	$154,219	$35,007
13191	MANNING PUMP STATION REPLACEMENT	$406,900	$3,048,000	$406,900	$0	$0
13200	BAKER PLANT 6-INCH BWTP CAUSTIC FEED LINE REPLACEMEN	$298,033	$435,750	$298,033	$0	$0
13231	CABINLAND POTATBLE PIPELINE REPLACEMENTS	$35,294	$1,055,000	$35,294	$0	$0
13258	LEGACY PLC UPGRADE DW	$362,595	$656,250	$362,595	$0	$0
13259	LEGACY PLC UPGRADE RW	$181,297	$328,125	$181,297	$0	$0
13260	LEGACY PLC UPGRADE SS	$181,297	$328,125	$181,297	$0	$0
		$39,488,603	**$609,804,750**	**$36,422,909**	**$2,514,334**	**$551,360**
Replacement - FY System						
12521	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS DW 2	$6,283,000	$6,283,000	$6,283,000	$0	$0
12523	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS RW 2	$2,103,000	$2,103,000	$2,103,000	$0	$0
12525	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS SS 25	$1,785,000	$1,785,000	$1,785,000	$0	$0
12527	LAWRP SYSTEM REPLACEMENTS 25/26	$80,000	$80,000	$80,000	$0	$0
		$10,251,000	**$10,251,000**	**$10,251,000**	**$0**	**$0**
Replacement-Business Software						
13263	ENTERPRISE RESOURCE PLANNING DW	$1,875,789	$3,960,000	$1,875,789	$0	$0
13265	ENTERPRISE RESOURCE PLANNING RW	$1,875,789	$3,960,000	$1,875,789	$0	$0
13266	ENTERPRISE RESOURCE PLANNING SS	$1,875,789	$3,960,000	$1,875,789	$0	$0
13267	CUSTOMER INFORMATION SYSTEM DW	$1,206,000	$2,546,000	$1,206,000	$0	$0
13268	CUSTOMER INFORMATION SYSTEM RW	$1,206,474	$2,547,000	$1,206,474	$0	$0
13269	CUSTOMER INFORMATION SYSTEM SS	$1,206,474	$2,547,000	$1,206,474	$0	$0
13277	MAXIMO MAS UPGRADE DW	$400,000	$500,000	$400,000	$0	$0
13278	MAXIMO MAS UPGRADE RW	$400,000	$500,000	$400,000	$0	$0

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
13279	MAXIMO MAS UPGRADE SS	$400,000	$500,000	$400,000	$0	$0
		$10,446,316	**$21,020,000**	**$10,446,316**	**$0**	**$0**
Sewage Treatment						
01659	MWRP EXPANSION PHASE 3 (MBR)-RW	$32,769	$21,258,000	$0	$23,725	$9,044
01797	MWRP EXPANSION PHASE 3 (MBR)-SS	$53,846	$43,680,000	$0	$43,292	$10,554
11832	LAKE FOREST TRIBUTARY GRAVITY DIVERSION TO MWRP	$2,895	$2,942,000	$0	$2,327	$567
11833	MWRP EXPANSION PHASE 3 (CAS) IMPROVEMENTS	$14,308	$17,867,000	$0	$11,503	$2,804
		$103,818	**$85,747,000**	**$0**	**$80,848**	**$22,970**
Solids Handling						
12541	MWRP BIOSOLIDS LIFT STATION	$1,592,168	$4,911,000	$0	$1,280,103	$312,065
12555	MWRP BIOSOLIDS HANDLING UPGRADES	$116,912	$1,065,000	$116,912	$0	$0
13224	BIOSOLIDS FEED ROOM DUST MITIGATION SYSTEM	$18,199	$388,300	$0	$14,632	$3,567
13225	BIOSOLIDS GAS SYSTEM MODIFICATIONS	$57,000	$6,240,000	$57,000	$0	$0
		$1,784,278	**$12,604,300**	**$173,912**	**$1,294,734**	**$315,632**
Water Banking						
10854	KERN FAN GROUNDWATER STORAGE	$12,500,000	$115,410,500	$0	$10,187,500	$2,312,500
11746	SITES RESERVOIR PLANNING AND ENVIRONMENTAL REVIEW	$221,463	$1,236,500	$0	$180,492	$40,971
12584	PALO VERDE IRRIGATION DISTRICT PROPERTY IMPROVEMENTS	$10,667	$88,000	$0	$8,693	$1,973
		$12,732,130	**$116,735,000**	**$0**	**$10,376,686**	**$2,355,444**
Water Resources						
12531	NON-POTABLE WATER STUDIES 25/26-26/27	$249,998	$500,000	$0	$180,999	$69,000
12532	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 25/26	$200,000	$200,000	$200,000	$0	$0
12558	POTABLE WATER STUDIES 25/26-26/27	$850,000	$1,700,000	$0	$692,750	$157,250
13149	HOWILER INTERTIE PIPELINE	$1,787,449	$4,515,000	$0	$1,456,771	$330,678
13174	HOWILER AND PUMP STATION AND MISCELLANEOUS IMPROV	$626,200	$5,801,250	$0	$510,353	$115,847

FY Exp Category		FY 25-26 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
		$3,713,647	**$12,716,250**	**$200,000**	**$2,840,873**	**$672,775**
Well Rehabilitation						
11137	WELL REHAB-IDP 76	$7,941	$590,000	$7,941	$0	$0
11846	WELL REHAB-WELL 115R	$19,235	$1,062,000	$19,235	$0	$0
11847	WELL REHAB-IDP 110R	$13,324	$1,006,500	$13,324	$0	$0
12264	WELL DESTRUCTION - WELLS 106 AND 72	$13,324	$1,041,500	$13,324	$0	$0
12594	WELL REHAB - OPA1	$6,041	$825,000	$6,041	$0	$0
13252	WELL REHAB-DRWF WELL 7	$478,394	$819,500	$478,394	$0	$0
		$538,259	**$5,344,500**	**$538,259**	**$0**	**$0**
		$129,421,927	**$1,575,770,262**	**$67,650,979**	**$42,677,218**	**$19,093,730**

Irvine Ranch Water District
Capital Budget for Fiscal Year 2025-26 and Fiscal Year 2026-27
Section 4 - FY 2026-27 Details of Projected Expenditures by Category

FY Exp Category		FY 26-27 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
Development - Other						
07086	CALIFORNIA AVE RW PIPELINE-ACADEMY TO THEORY	$7,308	$814,000	$7,308	$0	$0
12827	IBC SIDEWALK PHASE 3 APPURTENANCE RELOCATIONS	$471,229	$1,028,000	$471,229	$0	$0
13204	I-5 SEGMENT 2 CULVER 36 INCH RECYCLED WATER RELOCATIO	$753,223	$1,483,835	$753,223	$0	$0
13205	1-5 SEGMENT 1 SAND CANYON 12-INCH DOMESTIC WATER RE	$87,674	$500,577	$87,674	$0	$0
		$1,319,433	**$3,826,412**	**$1,319,433**	**$0**	**$0**
Development - PA1						
01722	PA1 NHB4 ORCHARD HILLS RW	$491,829	$1,280,000	$0	$0	$491,829
11500	PA1 JEFFREY RD EXT 6RW & 12RW (Code 7547)	$5,192	$213,000	$0	$0	$5,192
12781	PA1 NH4 TR19181 BACKBONE 12_DW IRWD CODE 8044	$19,575	$382,000	$0	$0	$19,575
12948	PA 1, OH NH4, 12" DW BACKBONE, IRWD CODE 7569	$13,688	$259,000	$0	$0	$13,688
13206	PA1 ORCHARD HILLS NB 4 RW ZC+ CODE 8266	$329,285	$490,000	$0	$0	$329,285
		$859,569	**$2,624,000**	**$0**	**$0**	**$859,569**
Development - PA39						
12965	PA 39 LOS OLIVOS DANA (S/O ANTIVO), 12_SS, CODE 8117	$225,492	$462,000	$0	$0	$225,492
		$225,492	**$462,000**	**$0**	**$0**	**$225,492**
Development - PA51						
05788	PA51 ALTON PKWY SS RELOCATION 12 AND 18	$147,110	$1,232,300	$0	$0	$147,110
06048	PA51 MARINE WAY-ALTON TO BARRANCA 18 SS	$105,354	$874,500	$0	$0	$105,354
10107	PA51 REACH B SOUTH 12" SEWER FROM BARRANCA TO 5-FWY	$19,643	$2,855,000	$0	$0	$19,643
10868	PA51 D6 P ST 18SS	$10,225	$542,000	$0	$0	$10,225
12404	PA51 D6 TRBLE_MRWY TO GP5 12_DW (CODE 7909)	$22,360	$567,000	$0	$0	$22,360

FY Exp Category		FY 26-27 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
12405	PA51 D6 TRBLE_MRWY TO GP5 18_SS (CODE 7909)	$50,311	$1,296,000	$0	$0	$50,311
12406	PA51 D6 TRBLE_MRWY TO GP5 8_RW (CODE 7909)	$16,770	$478,000	$0	$0	$16,770
13107	PA51 MARINE WAY STAGE 3, 12" DW CAPITAL (CODE 8166)	$242,587	$710,000	$0	$0	$242,587
13109	PA51 MARINE WAY STAGE 3 CAPITAL, 18" AND 16" SS (CODE 8	$434,416	$1,200,000	$0	$0	$434,416
13110	PA51 MARINE WAY STAGE 3 CAPITAL, 16" & 8" RW (CODE 816	$307,651	$900,000	$0	$0	$307,651
		$1,356,427	**$10,654,800**	**$0**	**$0**	**$1,356,427**
Development - PA9B						
01762	PA9B PHASE 5 GATEWAY PARK RW PIPES	$157,311	$506,100	$0	$0	$157,311
		$157,311	**$506,100**	**$0**	**$0**	**$157,311**
Development - SHII						
07136	ORANGE HEIGHTS DOMESTIC WATER BPS	$3,323,925	$6,906,750	$0	$0	$3,323,925
07138	ORANGE HEIGHTS DOMESTIC WATER RESERVOIR	$4,327,189	$22,160,250	$0	$0	$4,327,189
07139	ORANGE HEIGHTS RECYCLED WATER BPS	$3,323,925	$6,906,750	$0	$0	$3,323,925
07376	ORA HTS N TRACT 17995 PH 1_12 DW (Code 6799)	$75,110	$176,000	$0	$0	$75,110
07377	ORA HTS N TRACT 17995 PH1_1_6 RW (Code 6799)	$67,765	$162,800	$0	$0	$67,765
07378	ORA HTS N TRACT 17995 PH 2_12 DW (Code 6795)	$405,826	$974,000	$0	$0	$405,826
07379	ORA HTS N TRACT 17995 PH 2_12 SS (Code 6795)	$85,414	$205,000	$0	$0	$85,414
07380	ORA HTS N TRACT 17995PH2_ 6_8 RW (Code 6795)	$202,829	$487,000	$0	$0	$202,829
07451	ORA HTS SANTIAGO CYN RD AND JAMBOREE 12 DW (Code 681	$614,427	$1,396,900	$0	$0	$614,427
07452	ORA HTS SANTIAGO CYN RD AND JAMBOREE 15 SS (Code 6815	$236,983	$500,000	$0	$0	$236,983
07453	ORA HTS SANTIAGO CYN RD AND JAMBOREE RW (Code 6815)	$931,084	$2,228,300	$0	$0	$931,084
07484	ORA HTS S TRACT 16199 15 SS (Code 6762)	$281,155	$668,000	$0	$0	$281,155
07486	ORA HTS S TRACT 16199 RW (Code 6762)	$337,386	$808,000	$0	$0	$337,386
		$14,213,018	**$43,579,750**	**$0**	**$0**	**$14,213,018**
General Plant						
13239	GP_Dept 250_FY 26_27	$559,000	$559,000	$481,858	$61,490	$15,652

FY Exp Category		FY 26-27 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
13240	GP_Dept 600_FY 26_27	$788,868	$788,868	$704,412	$67,320	$17,136
13243	GP_Dept 710_FY 26_27	$82,300	$82,300	$71,750	$8,650	$1,900
13245	GP_Dept 870_FY 26_27	$2,656,629	$2,656,629	$2,372,211	$226,710	$57,708
		$4,086,797	**$4,086,797**	**$3,630,231**	**$364,170**	**$92,396**
Nonpotable Storage						
03808	SYPHON RESERVOIR IMPROVEMENTS	$13,752,367	$291,000,000	$0	$9,956,714	$3,795,653
		$13,752,367	**$291,000,000**	**$0**	**$9,956,714**	**$3,795,653**
OCSD - CORF - Solids Lease						
10500	OCSD EQUITY LONG TERM CAPITAL PROGRAM 2018 TO 2050	$163,000	$16,742,000	$0	$131,052	$31,948
10502	OCSD CORF LONG TERM CAPITAL PROGRAM 2018 TO 2050	$7,211,000	$210,379,000	$5,242,397	$1,608,053	$360,550
		$7,374,000	**$227,121,000**	**$5,242,397**	**$1,739,105**	**$392,498**
OCWD Annexation						
10503	OCWD ANNEXATION LONG TERM CAPITAL PROGRAM 2018 TO	$673,800	$22,861,400	$0	$549,147	$124,653
		$673,800	**$22,861,400**	**$0**	**$549,147**	**$124,653**
Operational						
11154	RADIO TOWER IMPROVEMENTS-DW	$11,071	$807,000	$0	$9,023	$2,048
11156	RADIO TOWER IMPROVEMENTS-SS	$11,905	$585,000	$0	$9,571	$2,333
11157	RADIO TOWER IMPROVEMENTS-RW	$11,905	$555,000	$0	$8,619	$3,286
11828	WELLS 51/52 EQUIPPING	$85	$4,737,000	$0	$69	$16
11829	WELLS 51/52 PIPELINES TO DRWF	$851	$14,150,000	$0	$694	$157
11854	OPERATIONS CENTER PURCHASING WAREHOUSE-DW	$456,966	$4,422,000	$0	$372,427	$84,539
11855	OPERATIONS CENTER PURCHASING WAREHOUSE-SS	$380,413	$4,385,000	$0	$305,852	$74,561
12506	DAMS INSTRUMENTATION & DATA ACQUISITION UPGRADES	$338,208	$1,386,000	$0	$244,863	$93,345
12971	EV CHARGING FACILITIES-DW	$120,180	$331,100	$0	$97,947	$22,233
13006	EV CHARGING FACILITIES-RW	$120,180	$331,100	$0	$87,011	$33,170
13007	EV CHARGING FACILITIES-SS	$120,180	$331,100	$0	$96,625	$23,555

FY Exp Category		FY 26-27 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
13270	DEVELOPMENT SERVICES MANAGEMENT SYSTEM DW	$554,737	$1,054,000	$0	$452,110	$102,626
13271	DEVELOPMENT SERVICES MANAGEMENT SYSTEM RW	$448,947	$1,053,000	$0	$325,038	$123,909
13272	DEVELOPMENT SERVICES MANAGEMENT SYSTEM SS	$554,210	$1,053,000	$0	$445,585	$108,625
13273	ENTERPRISE DATA MANAGEMENT DW	$410,526	$780,000	$0	$334,579	$75,947
13274	ENTERPRISE DATA MANAGEMENT RW	$410,526	$780,000	$0	$297,221	$113,305
13275	ENTERPRISE DATA MANAGEMENT SS	$410,526	$780,000	$0	$330,063	$80,463
		$4,361,419	**$37,520,300**	**$0**	**$3,417,298**	**$944,121**
Planning						
12518	ENGINEERING SUPPORT 25/26-26/27	$750,000	$1,500,000	$0	$587,250	$162,750
		$750,000	**$1,500,000**	**$0**	**$587,250**	**$162,750**
Replacement - Facilities						
01813	SANTIAGO DAM OUTLET AND SPILLWAY	$5,349,452	$470,000,000	$2,685,425	$2,171,877	$492,150
03750	SOCWA ETM PROTECTION-TRAIL BRIDGE CROSSING (PC 21)	$405,235	$1,215,000	$405,235	$0	$0
05406	NTS-EL MODENA NTS MODIFICATIONS	$263,500	$347,000	$263,500	$0	$0
06164	CP IMP-CULVER CP5 RECT AND ANODE BED REPLACEMENT	$88,726	$291,000	$88,726	$0	$0
06169	CP IMP-ZN 8-9 PIPELINE ANODE BED LEAD WIRE REPLACEMEN	$10,831	$385,000	$10,831	$0	$0
07892	MWRP TERTIARY FILTER REHABILITATION	$2,783,226	$24,375,600	$2,783,226	$0	$0
10580	RW PIPELINE REPLACEMENT-SILKWOOD, WILLOWLEAF	$140,640	$423,000	$140,640	$0	$0
11123	LAKE FOREST WOODS SEWER IMPROVEMENTS	$2,655,352	$5,313,000	$2,655,352	$0	$0
11568	COASTAL ZONE B AND COASTAL ZONE D PUMP STATIONS ELEC	$322,075	$2,237,000	$322,075	$0	$0
11570	DRWF WELLSITE REHAB WELLS 6, 12, 14, 15	$2,178,923	$4,000,000	$2,178,923	$0	$0
11587	BRIDGE 175 AT SILVERADO CANYON RD, LADD CANYON DW I	$119,213	$674,900	$119,213	$0	$0
11588	BRIDGE 174 AT SILVERADO CANYON ROAD, COMMUNITY CENT	$51,920	$940,000	$51,920	$0	$0
11593	BRIDGE 172 AT MODJESKA CANYON RD/MARKUSON RD DW I	$9,408	$564,900	$9,408	$0	$0
11841	SEWER SIPHON REHABILITATION PHASE 2	$3,615,758	$9,725,000	$3,615,758	$0	$0
11842	ETM REACH A REHABILITATION	$3,571	$15,035,800	$3,571	$0	$0

FY Exp Category		FY 26-27 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
11912	COASTAL ZONE 2 AND COASTAL ZONE 4 PUMP STATIONS REH	$3,792,316	$6,612,500	$3,792,316	$0	$0
12101	RATTLESNAKE DAM REHABILITATION	$26,889	$2,331,000	$26,889	$0	$0
12505	SAND CANYON DAM SPILLWAY REHABILITATION	$315,000	$656,000	$315,000	$0	$0
12513	HARDING CANYON DAM REHABILITATION	$456,508	$951,500	$456,508	$0	$0
12543	CORE NETWORK UPGRADES-DW	$71,876	$667,000	$71,876	$0	$0
12550	HVAC SYSTEM REPLACEMENT AT SAND CANYON AND OPS DW	$1,155,130	$2,294,000	$1,155,130	$0	$0
12551	HVAC SYSTEM REPLACEMENT AT SAND CANYON AND OPS SS	$1,155,130	$2,294,000	$1,155,130	$0	$0
12565	R&R PS EAST IRVINE ZN 3-4	$810,811	$2,500,000	$810,811	$0	$0
12566	R&R PS LAKE FOREST ZN 4-5 WEST	$810,811	$2,500,000	$810,811	$0	$0
12567	R&R PS TURTLE ROCK ZN 3-4	$40,541	$1,500,000	$40,541	$0	$0
12568	LAKE FOREST ZONE 4 EL TORO TANKS 1 & 2 REHABILITATION	$2,362,670	$4,291,000	$2,362,670	$0	$0
12569	CHAPMAN TANK REHABILITATION	$2,179,726	$3,069,000	$2,179,726	$0	$0
12570	SHAW TANK REHABILITATION	$136,364	$500,000	$136,364	$0	$0
12575	EDUCATIONAL DISPLAYS AND IMPROVEMENTS	$333,333	$750,000	$333,333	$0	$0
12620	DRWF WELLSITE REHAB GROUP 2	$389,000	$1,588,000	$389,000	$0	$0
12979	TECHNOLOGY AND ADA RW PIPE REPLACEMENT	$804,634	$2,819,000	$804,634	$0	$0
13008	CORE NETWORK UPGRADES-RW	$71,560	$666,000	$71,560	$0	$0
13009	CORE NETWORK UPGRADES-SS	$71,876	$667,000	$71,876	$0	$0
13113	SAN JOAQUIN HILLS RD RW PIPELINE REPLACEMENT	$1,407,527	$2,840,000	$1,407,527	$0	$0
13162	TURTLE ROCK RECYCLED WATER MAIN REPLACEMENT	$27,888	$841,500	$27,888	$0	$0
13190	HOWILER FEED LINE JUNCTION STRUCTURE REPLACEMENT	$1,173,931	$1,442,000	$0	$956,754	$217,177
13191	MANNING PUMP STATION REPLACEMENT	$1,456,521	$3,048,000	$1,456,521	$0	$0
13200	BAKER PLANT 6-INCH BWTP CAUSTIC FEED LINE REPLACEMEN	$84,086	$435,750	$84,086	$0	$0
13231	CABINLAND POTATBLE PIPELINE REPLACEMENTS	$5,000	$1,055,000	$5,000	$0	$0
13258	LEGACY PLC UPGRADE DW	$293,655	$656,250	$293,655	$0	$0
13259	LEGACY PLC UPGRADE RW	$146,828	$328,125	$146,828	$0	$0

FY Exp Category		FY 26-27 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
13260	LEGACY PLC UPGRADE SS	$146,828	$328,125	$146,828	$0	$0
		$37,724,267	**$583,157,950**	**$33,886,309**	**$3,128,631**	**$709,327**
Replacement - FY System						
12522	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS DW 2	$6,283,000	$6,283,000	$6,283,000	$0	$0
12524	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS RW 2	$2,103,000	$2,103,000	$2,103,000	$0	$0
12526	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS SS 26	$1,785,000	$1,785,000	$1,785,000	$0	$0
12528	LAWRP SYSTEM REPLACEMENTS 26/27	$80,000	$80,000	$80,000	$0	$0
		$10,251,000	**$10,251,000**	**$10,251,000**	**$0**	**$0**
Replacement-Business Software						
13263	ENTERPRISE RESOURCE PLANNING DW	$2,084,211	$3,960,000	$2,084,211	$0	$0
13265	ENTERPRISE RESOURCE PLANNING RW	$2,084,211	$3,960,000	$2,084,211	$0	$0
13266	ENTERPRISE RESOURCE PLANNING SS	$2,084,211	$3,960,000	$2,084,211	$0	$0
13267	CUSTOMER INFORMATION SYSTEM DW	$1,340,000	$2,546,000	$1,340,000	$0	$0
13268	CUSTOMER INFORMATION SYSTEM RW	$1,340,526	$2,547,000	$1,340,526	$0	$0
13269	CUSTOMER INFORMATION SYSTEM SS	$1,340,526	$2,547,000	$1,340,526	$0	$0
13277	MAXIMO MAS UPGRADE DW	$100,000	$500,000	$100,000	$0	$0
13278	MAXIMO MAS UPGRADE RW	$100,000	$500,000	$100,000	$0	$0
13279	MAXIMO MAS UPGRADE SS	$100,000	$500,000	$100,000	$0	$0
		$10,573,684	**$21,020,000**	**$10,573,684**	**$0**	**$0**
Sewage Treatment						
01659	MWRP EXPANSION PHASE 3 (MBR)-RW	$797,702	$21,258,000	$0	$577,537	$220,166
01797	MWRP EXPANSION PHASE 3 (MBR)-SS	$1,665,830	$43,680,000	$0	$1,339,327	$326,503
11832	LAKE FOREST TRIBUTARY GRAVITY DIVERSION TO MWRP	$238,070	$2,942,000	$0	$191,409	$46,662
11833	MWRP EXPANSION PHASE 3 (CAS) IMPROVEMENTS	$634,555	$17,867,000	$0	$510,182	$124,373
11878	LAWRP PUMP STATION AND PIPELINE DIVERSION TO MWRP	$800	$11,671,000	$0	$643	$157
		$3,336,957	**$97,418,000**	**$0**	**$2,619,097**	**$717,860**

FY Exp Category		FY 26-27 Forecast	Total Budget	FY Replacement	FY Developed	FY Developing
Solids Handling						
12541	MWRP BIOSOLIDS LIFT STATION	$2,105,075	$4,911,000	$0	$1,692,481	$412,595
12552	MWRP DIGESTER REHABILITATION	$106,858	$4,060,000	$106,858	$0	$0
12555	MWRP BIOSOLIDS HANDLING UPGRADES	$606,078	$1,065,000	$606,078	$0	$0
13224	BIOSOLIDS FEED ROOM DUST MITIGATION SYSTEM	$213,256	$388,300	$0	$171,458	$41,798
13225	BIOSOLIDS GAS SYSTEM MODIFICATIONS	$1,054,385	$6,240,000	$1,054,385	$0	$0
		$4,085,653	**$16,664,300**	**$1,767,321**	**$1,863,938**	**$454,393**
Water Banking						
10854	KERN FAN GROUNDWATER STORAGE	$12,500,000	$115,410,500	$0	$10,187,500	$2,312,500
		$12,500,000	**$115,410,500**	**$0**	**$10,187,500**	**$2,312,500**
Water Resources						
12531	NON-POTABLE WATER STUDIES 25/26-26/27	$250,002	$500,000	$0	$181,001	$69,000
12533	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 26/27	$200,000	$200,000	$200,000	$0	$0
12558	POTABLE WATER STUDIES 25/26-26/27	$850,000	$1,700,000	$0	$692,750	$157,250
13149	HOWILER INTERTIE PIPELINE	$2,209,474	$4,515,000	$0	$1,800,721	$408,753
13174	HOWILER AND PUMP STATION AND MISCELLANEOUS IMPROV	$1,739,624	$5,801,250	$0	$1,417,794	$321,831
		$5,249,100	**$12,716,250**	**$200,000**	**$4,092,266**	**$956,834**
Well Rehabilitation						
13252	WELL REHAB-DRWF WELL 7	$278,651	$819,500	$278,651	$0	$0
		$278,651	**$819,500**	**$278,651**	**$0**	**$0**
		$133,128,945	**$1,503,200,059**	**$67,149,027**	**$38,505,117**	**$27,474,802**

Irvine Ranch Water District
Capital Budget Fiscal Year 2025-26 and Fiscal Year 2026-27 Capital Budget
Section 5 - Project Increases

Project Number	Project Title	Board Approved Budget	Proposed Budget	Project Increase
13205	1-5 SEGMENT 1 SAND CANYON 12-INCH DOMESTIC WATER RELOCATION	$0	$500,577	$500,577
13248	ACCESS CONTROL AND BADGE UPGRADES DW	$0	$10,000	$10,000
13249	ACCESS CONTROL AND BADGE UPGRADES RW	$0	$10,000	$10,000
13250	ACCESS CONTROL AND BADGE UPGRADES SS	$0	$10,000	$10,000
12514	AMI IMPLEMENTATION - DW	$235,000	$270,000	$35,000
12515	AMI IMPLEMENTATION - RW	$235,000	$270,000	$35,000
13200	BAKER PLANT 6-INCH BWTP CAUSTIC FEED LINE REPLACEMENT	$0	$435,750	$435,750
13224	BIOSOLIDS FEED ROOM DUST MITIGATION SYSTEM	$0	$388,300	$388,300
13225	BIOSOLIDS GAS SYSTEM MODIFICATIONS	$0	$6,240,000	$6,240,000
13231	CABINLAND POTATBLE PIPELINE REPLACEMENTS	$0	$1,055,000	$1,055,000
13233	CCTV IMPLEMENTATION AT REMOTE FACILITIES DW	$0	$55,000	$55,000
13242	CCTV IMPLEMENTATION AT REMOTE FACILITIES RW	$0	$55,000	$55,000
13244	CCTV IMPLEMENTATION AT REMOTE FACILITIES SS	$0	$55,000	$55,000
12569	CHAPMAN TANK REHABILITATION	$500,000	$3,069,000	$2,569,000
11912	COASTAL ZONE 2 AND COASTAL ZONE 4 PUMP STATIONS REHABILITATION	$1,392,000	$6,612,500	$5,220,500
11568	COASTAL ZONE B AND COASTAL ZONE D PUMP STATIONS ELECTRICAL SYSTEM REPLACEMENT	$1,737,000	$2,237,000	$500,000

Project Number	Project Title	Board Approved Budget	Proposed Budget	Project Increase
12543	CORE NETWORK UPGRADES-DW	$334,000	$667,000	$333,000
13008	CORE NETWORK UPGRADES-RW	$333,000	$666,000	$333,000
13009	CORE NETWORK UPGRADES-SS	$334,000	$667,000	$333,000
13267	CUSTOMER INFORMATION SYSTEM DW	$0	$2,546,000	$2,546,000
13268	CUSTOMER INFORMATION SYSTEM RW	$0	$2,547,000	$2,547,000
13269	CUSTOMER INFORMATION SYSTEM SS	$0	$2,547,000	$2,547,000
13270	DEVELOPMENT SERVICES MANAGEMENT SYSTEM DW	$0	$1,054,000	$1,054,000
13271	DEVELOPMENT SERVICES MANAGEMENT SYSTEM RW	$0	$1,053,000	$1,053,000
13272	DEVELOPMENT SERVICES MANAGEMENT SYSTEM SS	$0	$1,053,000	$1,053,000
12575	EDUCATIONAL DISPLAYS AND IMPROVEMENTS	$500,000	$750,000	$250,000
11536	EMERGENCY GENERATOR FUEL STORAGE - DW	$3,895,000	$4,102,000	$207,000
11537	EMERGENCY GENERATOR FUEL STORAGE - SS	$2,578,000	$2,786,000	$208,000
12518	ENGINEERING SUPPORT 25/26-26/27	$0	$1,500,000	$1,500,000
13273	ENTERPRISE DATA MANAGEMENT DW	$0	$780,000	$780,000
13274	ENTERPRISE DATA MANAGEMENT RW	$0	$780,000	$780,000
13275	ENTERPRISE DATA MANAGEMENT SS	$0	$780,000	$780,000
13263	ENTERPRISE RESOURCE PLANNING DW	$0	$3,960,000	$3,960,000
13265	ENTERPRISE RESOURCE PLANNING RW	$0	$3,960,000	$3,960,000
13266	ENTERPRISE RESOURCE PLANNING SS	$0	$3,960,000	$3,960,000
12971	EV CHARGING FACILITIES-DW	$0	$331,100	$331,100
13006	EV CHARGING FACILITIES-RW	$0	$331,100	$331,100

Project Number	Project Title	Board Approved Budget	Proposed Budget	Project Increase
13007	EV CHARGING FACILITIES-SS	$0	$331,100	$331,100
10101	FLEMING DW RESERVOIR AND PUMP STATION IMPROVEMENTS	$16,740,000	$17,577,000	$837,000
12521	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS DW 25/26	$0	$6,283,000	$6,283,000
12522	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS DW 26/27	$0	$6,283,000	$6,283,000
12523	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS RW 25/26	$0	$2,103,000	$2,103,000
12524	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS RW 26/27	$0	$2,103,000	$2,103,000
12525	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS SS 25/26	$0	$1,785,000	$1,785,000
12526	GENERAL SYSTEM REPLACEMENTS AND MODIFICATIONS SS 26/27	$0	$1,785,000	$1,785,000
13234	GP_Dept 250_FY 25_26	$0	$842,500	$842,500
13239	GP_Dept 250_FY 26_27	$0	$559,000	$559,000
13235	GP_Dept 600_FY 25_26	$0	$179,000	$179,000
13240	GP_Dept 600_FY 26_27	$0	$788,868	$788,868
13236	GP_Dept 710_FY 25_26	$0	$110,000	$110,000
13243	GP_Dept 710_FY 26_27	$0	$82,300	$82,300
13237	GP_Dept 870_FY 25_26	$0	$2,110,000	$2,110,000
13245	GP_Dept 870_FY 26_27	$0	$2,656,629	$2,656,629
13174	HOWILER AND PUMP STATION AND MISCELLANEOUS IMPROVEMENTS	$0	$5,801,250	$5,801,250

Project Number	Project Title	Board Approved Budget	Proposed Budget	Project Increase
13190	HOWILER FEED LINE JUNCTION STRUCTURE REPLACEMENT	$0	$1,442,000	$1,442,000
13204	I-5 SEGMENT 2 CULVER 36 INCH RECYCLED WATER RELOCATION	$0	$1,483,835	$1,483,835
12827	IBC SIDEWALK PHASE 3 APPURTENANCE RELOCATIONS	$0	$1,028,000	$1,028,000
13183	IDF SODIUM HYPOCHLORITE FEED SYSTEM REPLACEMENT	$0	$535,500	$535,500
12568	LAKE FOREST ZONE 4 EL TORO TANKS 1 & 2 REHABILITATION	$500,000	$4,291,000	$3,791,000
12527	LAWRP SYSTEM REPLACEMENTS 25/26	$0	$80,000	$80,000
12528	LAWRP SYSTEM REPLACEMENTS 26/27	$0	$80,000	$80,000
13258	LEGACY PLC UPGRADE DW	$0	$656,250	$656,250
13259	LEGACY PLC UPGRADE RW	$0	$328,125	$328,125
13260	LEGACY PLC UPGRADE SS	$0	$328,125	$328,125
13191	MANNING PUMP STATION REPLACEMENT	$0	$3,048,000	$3,048,000
13277	MAXIMO MAS UPGRADE DW	$0	$500,000	$500,000
13278	MAXIMO MAS UPGRADE RW	$0	$500,000	$500,000
13279	MAXIMO MAS UPGRADE SS	$0	$500,000	$500,000
13238	MODJESKA GRADE ROAD DOMESTIC WATER PIPELINE RELOCATION PROJECT	$0	$400,000	$400,000
12541	MWRP BIOSOLIDS LIFT STATION	$3,262,000	$4,911,000	$1,649,000
12531	NON-POTABLE WATER STUDIES 25/26-26/27	$0	$500,000	$500,000
07136	ORANGE HEIGHTS DOMESTIC WATER BPS	$3,165,900	$6,906,750	$3,740,850
07138	ORANGE HEIGHTS DOMESTIC WATER RESERVOIR	$10,263,800	$22,160,250	$11,896,450

Project Number	Project Title	Board Approved Budget	Proposed Budget	Project Increase
07139	ORANGE HEIGHTS RECYCLED WATER BPS	$3,165,900	$6,906,750	$3,740,850
13206	PA1 ORCHARD HILLS NB 4 RW ZC+ CODE 8266	$0	$490,000	$490,000
10107	PA51 REACH B SOUTH 12" SEWER FROM BARRANCA TO 5-FWY	$2,555,000	$2,855,000	$300,000
13106	PARK PLAZA 8" RW REPLACEMENT	$0	$1,400,000	$1,400,000
12558	POTABLE WATER STUDIES 25/26-26/27	$0	$1,700,000	$1,700,000
12565	R&R PS EAST IRVINE ZN 3-4	$1,900,000	$2,500,000	$600,000
12566	R&R PS LAKE FOREST ZN 4-5 WEST	$2,200,000	$2,500,000	$300,000
12567	R&R PS TURTLE ROCK ZN 3-4	$800,000	$1,500,000	$700,000
11154	RADIO TOWER IMPROVEMENTS-DW	$231,000	$807,000	$576,000
11157	RADIO TOWER IMPROVEMENTS-RW	$236,000	$555,000	$319,000
11156	RADIO TOWER IMPROVEMENTS-SS	$236,000	$585,000	$349,000
12532	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 25/26	$0	$200,000	$200,000
12533	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 26/27	$0	$200,000	$200,000
13160	RW PRVS DECOMMISSIONING	$0	$698,500	$698,500
13166	SAN JOAQUIN DAM DRAINAGE IMPROVEMENTS	$0	$1,914,000	$1,914,000
13113	SAN JOAQUIN HILLS RD RW PIPELINE REPLACEMENT	$0	$2,840,000	$2,840,000
10379	SAN JOAQUIN RESERVOIR FILTRATION FACILITY	$23,455,000	$25,575,900	$2,120,900
13162	TURTLE ROCK RECYCLED WATER MAIN REPLACEMENT	$0	$841,500	$841,500
13257	WEBSITE REDESIGN	$0	$115,000	$115,000
11720	WELL OPA 1 PFAS TREATMENT	$363,000	$417,000	$54,000

Project Number	Project Title	Board Approved Budget	Proposed Budget	Project Increase
12594	WELL REHAB - OPA1	$577,500	$825,000	$247,500
13252	WELL REHAB-DRWF WELL 7	$0	$819,500	$819,500
11828	WELLS 51/52 EQUIPPING	$4,437,000	$4,737,000	$300,000
11829	WELLS 51/52 PIPELINES TO DRWF	$10,874,000	$14,150,000	$3,276,000
		$97,035,100	**$234,283,959**	**$137,248,859**

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RESOLUTION NO. 2025-X

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT
APPROVING A CAPITAL BUDGET
FOR FISCAL YEARS 2025-26 AND 2026-27

A. The Board of Directors of the Irvine Ranch Water District (IRWD) has considered the capital project needs of IRWD for Fiscal Years 2025-26 and 2026-27.

B. A Capital Budget, which includes both the capital expenditures projected for Fiscal Year 2025-26 and 2026-27 and entire project budgets for the listed projects, as set forth in the attached Exhibit "A" has been prepared for and reviewed by this Board of Directors.

C. During the review of the Capital Budget by the Board of Directors, the Board "flagged" certain capital expenditures for projects for further review by the Board.

The Board of Directors of IRWD therefore resolves as follows:

Section 1. The revenues that have been collected from connection fees and have been deposited in the capital funds of the Improvement Districts, to the extent not previously or hereafter committed or appropriated to pay reimbursement, bonding, and other financing or fund-management related costs for capital facilities, are hereby appropriated to pay costs of the projects shown in the Capital Budget.

Section 2. Subject in all respects to prior pledges for debt service requirements, including those contained in Resolution No. 2002-10, the Treasurer is hereby authorized and directed to allocate to the Replacement Fund 33% of the general 1% ad valorem property tax revenues for the 2025-26 and 2026-27 fiscal years, to be expended for qualified capital outlay projects.

Section 3. IRWD's Capital Budget for Fiscal Years 2025-26 and 2026-27 is in compliance with the provisions of Article XIIIB of the Constitution of the State of California.

Section 4. IRWD's Capital Budget for Fiscal Years 2025-26 and 2026-27, shown in the attached Exhibit "A", is hereby approved.

Section 5. The capital expenditures for projects set forth in the attached Exhibit "A" identified with "Yes" in the Flagged report section are "flagged" for further review by the Board of Directors prior to implementation, pursuant to the Policy Regarding Authorization of Expenditures.

ADOPTED, SIGNED, and APPROVED on March 24, 2025.

_____
President, IRVINE RANCH WATER DISTRICT

_____
Secretary, IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:
Hanson Bridgett, LLP

By:_____
General Counsel