This meeting has been noticed according to the Brown Act rules.

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

AGENDA
Finance and Administration Committee
of the Monterey Peninsula Water Management District
****
June 10, 2024 at 2:00 PM [PST]

Meeting Location: MPWMD -- Main Conference Room
5 Harris Court, Building G, Monterey, CA 93940
[This is an In-Person meeting. Remote participation may be offered via Zoom, but this is optional as connectivity cannot be assured and thus is not a necessary requisite for the meeting to proceed in-person.]

To join by Zoom, please click the link below:
https://mpwmd-net.zoom.us/j/82776606300?pwd=iDbK2MC3JE5CEQ5vwC2wEekOjYa5b3.1

Or join at: https://zoom.us/
Webinar ID: 827 7660 6300
Meeting password: 061024
To Participate by Phone: (669) 900-9128

For detailed instructions on how to connect to the meeting, please see page 3 of this agenda.

This agenda was posted at the District website (www.mpwmd.net) and at 5 Harris Court, Bldg. G, Monterey, California on Thursday, June 6, 2024. Staff notes will be available on the District website at https://www.mpwmd.net/who-we-are/committees/board-committees/administrative-committee/ by 5:00 p.m. on Friday, June 7, 2024.

Finance and Administration Committee Members:
George Riley – Chair
Alvin Edwards
Karen Paull

Alternate:
Marc Eisenhart

Staff Contact:
Nishil Bali
Sara Reyes

Call to Order / Roll Call

Additions and Corrections to the Agenda

Comments from Public – *The public may comment on any item within the District's jurisdiction. Please limit your comments to three minutes in length.*

Action Items – *Public comment will be received. Please limit your comments to three (3) minutes per item.*

1. Consider Adoption of May 13, 2024 Committee Meeting Minutes

2. Consider Recommendation to Authorize a Contract with Telemetrix for Sleepy Hollow Steelhead Rearing Facility Monitoring and Control Systems

3. Consider Continuing Rebate Funding for California American Water Customers Until Approval of the California American Water General Rate Case

4. Consider Recommendation to Authorize an Annual License Agreement with Monterey County for Water Wise Gardening in Monterey County

5. Consider Recommendation to Authorize Agreements for Outreach Advertising for Fiscal

Mission Statement
Sustainably manage and augment the water resources of the Monterey Peninsula to meet the needs of its residents and businesses while protecting, restoring, and enhancing its natural and human environments.

Vision Statement
Model ethical, responsible, and responsive governance in pursuit of our mission.

Board's Goals and Objectives
Are available online at https://www.mpwmd.net/who-we-are/mission-vision-goals/

Year 2025

6. Consider Recommendation to Authorize a Contract with CoreLogic Information Solutions, Inc. to Support Demand Management Programs

7. Consider Recommendation to Authorize a Contract with Corporation Service Company – Recording Fees

8. Consider Recommendation to Amend Contract with Pueblo Water Resources, Inc. to Provide Hydrogeologic Review for Water Distribution System Permits

9. Consider Adoption of Resolution No. 2024-10 – Annual Update to Rule 24, Table 3, Capacity Fee History

10. Consider Approval of Funding for Outreach Event "Summer Splash Water Challenge Giveaway 5"

11. Consider Approval of Funding and Continuation of the "Mulch Madness" Conservation Promotion

12. Consider Recommendation to Authorize a Contract with Etech Consulting for As-Needed Maintenance of the Accella Database

13. Consider Recommendation to Authorize a Negotiated Contract with a Licensed C-57 Contractor for Repairs on ASR on an As-Needed Basis

14. Consider Recommendation to Authorize a Contract with TJC and Associates, Inc. to Provide Electrical Support Services

15. Consider Recommendation to Authorize a Contract with Schaaf & Wheeler to Provide Drawing Support Services

16. Consider Recommendation to Authorize Monterey Bay Analytical Services to Provide Laboratory Support for Aquifer Storage and Recovery, Watermaster Monitoring and Maintenance Plan, and Carmel Valley Alluvial Aquifer Water Quality Monitoring

17. Consider Recommendation to Authorize a Contract with Montgomery and Associates to Provide Groundwater Modeling Support to the District

18. Consider Recommendation to Extend Cooperative Agreement with the United States Geological Survey for Streamflow Gaging in Water Year 2025

19. Consider Recommendation to Authorize a Contract with OnPoint Generators Inc. to Provide and Install a Generator

20. Consider Adoption of Treasurer's Report for April 2024

21. Consider Adoption of Resolution 2024-08 Certifying Compliance with State Law with Respect to the Levying of General and Special Taxes, Assessments, and Property-Related Fees and Charges

Informational Items - *Public comment will be received. Please limit your comments to three (3) minutes per item.*

22. Report on Activity/Progress on Contracts Over $25,000

23. Status Report on Spending – Public's Ownership of Monterey Water System

Discussion/Other Items - *Public comment will be received. Please limit your comments to three (3) minutes per item.*

24. Review Draft June 17, 2024 Special and Regular Board Meeting Agenda

Suggest Items to be Placed on Future Agendas

Adjournment

Accessibility

In accordance with Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), MPWMD will make a reasonable effort to provide written agenda materials in appropriate alternative formats, or disability-related modification or accommodation, including auxiliary aids or services, to enable individuals with disabilities to participate in public meetings. MPWMD will also make a reasonable effort to provide translation services upon request. Please send a description of the requested materials and preferred alternative format or auxiliary aid or service at least 48 hours prior to the scheduled meeting date/time. Requests should be forwarded to Sara Reyes by e-mail at sara@mpwmd.net or at (831) 658-5610.

Provide Public Comment at the Meeting

Attend In-Person
The Finance and Administration Committee meeting will be held in the Main Conference Room at **5 Harris Court, Building G, Monterey, CA 93942** and has limited seating capacity. Face coverings are encouraged, but not required. Please fill out a speaker card for each item you wish to speak on, and place in the speaker card box next to the Committee Clerk.

Attend via Zoom: See below "Instructions for Connecting to the Zoom Meeting."

Submission of Public Comment via E-mail
Send comments to comments@mpwmd.net with one of the following subject lines "PUBLIC COMMENT ITEM #" (insert the item number relevant to your comment) or "PUBLIC COMMENT – ORAL COMMUNICATIONS." Staff will forward correspondence received to the Committee. Correspondence is not read during public comment portion of the meeting. However, all written public comment received becomes part of the official record of the meeting and placed on the District's website as part of the agenda packet for the meeting.

Submission of Written Public Comment
All documents submitted by the public must have no less than six (6) copies to be received and distributed by the **Clerk** prior to the Meeting.

Document Distribution
In accordance with Government Code §54957.5, any materials of public record relating to an agenda item for a meeting of a legislative body that is provided to a majority of the members less than 72 hours before the meeting will be made available at the District Office, 5 Harris Court, Building G., Monterey, CA, during normal business hours. Materials of public record that are distributed during the meeting shall be made available for public inspection at the meeting if prepared by the Board or a member of its legislative/advisory body, or the next business day after the meeting if prepared by some other person.

Instructions for Connecting to the Zoom Meeting

The public may remotely view and participate in the meeting to make public comments by computer, by phone, or smart device.

Please log on or call in as early as possible to address any technical issues that may occur and ensure you do not miss the time to speak on the desired item. Follow these instructions to log into Zoom from your computer, smart device, or telephone. (Your device must have audio capability to participate).

To join via Zoom-Teleconferencing, please click the link below:
https://mpwmd-net.zoom.us/j/82776606300?pwd=iDbK2MC3JE5CEQ5vwC2wEekOjYa5b3.1

Or join at: https://zoom.us/
Webinar ID: 827 7660 6300
Meeting password: 061024
To Participate by Phone: (669) 900-9128

1. **Use the "raise hand" function to join the queue to speak on the current agenda item** when the Chair calls the item for Public Comment.

   COMPUTER / SMART DEVICE USERS: You can find the raise hand option under your participant name.

   TELEPHONE USERS: The following commands can be entered using your phone's dial pad:
   - *6 – Toggle Mute / Unmute
   - *9 – Raise Hand

2. Staff will call your name or the last four digits of your phone number when it is your time to speak.

3. You may state your name at the beginning of your remarks for the meeting minutes.

4. Speakers will have up to three (3) minutes to make their remarks. *The Chair may announce and limit time on public comment.*

5. You may log off or hang up after making your comments.

Refer to the Meeting Rules to review the complete Rules of Procedure for MPWMD Board and Committee Meetings: https://www.mpwmd.net/who-we-are/board-of-directors/meeting-rules-of-the-mpwmd/

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

1. CONSIDER ADOPTION OF MAY 13, 2024 COMMITTEE MEETING MINUTES

Meeting Date: June 10, 2024

From: David J. Stoldt,
General Manager

Prepared By: Sara Reyes

SUMMARY: Draft minutes of the May 13, 2024, Finance and Administration Committee meeting are attached as **Exhibit 1-A**.

RECOMMENDATION: The Finance and Administration Committee should review the minutes and adopt them by motion.

EXHIBIT
1-A Draft Minutes of May 13, 2024 Committee Meeting

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MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

EXHIBIT 1-A

DRAFT MINUTES
Monterey Peninsula Water Management District
Finance and Administration Committee
May 13, 2024

Meeting Location: District Office, Main Conference Room
5 Harris Court, Building G., Monterey, CA 93940
(*Hybrid: Meeting Held In-Person and via Zoom – Teleconferencing means)*

Call to Order
Chair Riley called the meeting to order at 2:00 PM.

Committee members present:	George Riley, Chair Alvin Edwards Karen Paull
District staff members present:	David Stoldt, General Manager Nishil Bali, Chief Financial Officer /Administrative Services Manager Jonathan Lear, Water Resources Manager Maureen Hamilton, District Engineer Stephanie Locke, Water Demand Manager Thomas Christensen, Environmental Resources Manager Sara Reyes, Executive Assistant/Board Clerk Simona Mossbacher, HR Coordinator/Contract Specialist
District Counsel present:	Michael Laredo, DeLay & Laredo

Additions / Corrections to Agenda:

None

Comments from the Public:

None

Action Items:

1. **Consider Adoption of April 8, 2024 Committee Meeting Minutes**
   On a motion by Edwards and second by Riley, the minutes of the April 8, 2024 meeting were approved 3-0 (Paull, Edwards, and Riley), and 0-Noes.

2. **Consider Adoption of Treasurer's Report for March 2024**
   On a motion by Paull and second by Edwards the Finance and Administration Committee recommended that the Board adopt the March 2024 Treasurer's Report and Statement of Revenues and Expenditures and ratify the disbursements made during the month. The motion was unanimously

approved 3 – 0.

3. Receive and File Third Quarter Financial Activity Report for Fiscal Year 2023-2024

On a motion by Edwards and second by Riley, the Finance and Administration Committee recommended that the Board Receive and File the Third Quarter Financial Activity Report for Fiscal Year 2023-2024. The motion was approved unanimously on a 3 – 0 vote.

4. Consider Approval of the Third Quarter Fiscal Year 2023-2024 investment Report

On a motion by Paull and second by Edwards, the Finance and Administration Committee recommended that the Board approve the Third Quarter Fiscal Year 2023-2024 Investment Report. The motion was approved unanimously on a 3 – 0 vote.

5. Consider Renewal of Contract with JEA & Associates for Legislative and Administrative Services

On a motion by Paull and second by Riley, the Finance and Administration Committee recommended that the Board approve the proposed agreement with JEA & Associates for FY 2024-2025. The motion was approved unanimously on a 3 – 0 vote.

6. Consider Renewal of Contract with the Ferguson Group for Legislative and Administrative Services

On a motion by Edwards and second by Paull, the Finance and Administration Committee recommended that the Board approve the proposed agreement with The Ferguson Group for FY 2024-2025. The motion was approved unanimously on a 3 – 0 vote.

7. Consider Contract for Public Outreach Services with WellmanAd for Fiscal Year 2024-2025

On a motion by Paull and second by Edwards, the Finance and Administration Committee recommended that the Board approve the proposed agreement with WellmanAd for FY 2024-2025. The motion was approved unanimously on a 3 – 0 vote.

8. Consider Approval of Agreement with Lynx Technologies for Geographic Information System (GIS) Services

On a motion by Paull and second by Edwards, the Finance and Administration Committee recommended that the Board authorize the General Manager or Chief Financial Officer/Administrative Services Manager to enter into agreement(s) with Lynx Technologies to provide GIS services for an amount not-to-exceed $35,000 annually for the next three years. The motion was approved unanimously on a 3 – 0 vote.

9. Consider Recommending the Board Authorize a Contract with Maggiora Brothers Drilling for Rehabilitation of Two ASR Wells

On a motion by Edwards and second by Paull, the Finance and Administration Committee recommended that the Board authorize the General Manager of his designee to enter into a contract with Maggiora Brothers Drilling, Inc. in the amount of $302,985 with a 10% contingency for a total not-to-exceed amount of $333,283.50 for rehabilitation of ASR-1 and ASR-2 wells. The motion was approved unanimously on a 3 – 0 vote.

10. Authorize Funds to Contract for Limited-Term Field Positions During FY 2024-2025

Nishil Bali, Chief Financial Officer/Administrative Services Manager reported to the Committee of a change on page 59 of the staff report. Mr. Bali reported that staff is requesting the Fisheries Aides to be paid $20.00 per hour instead of $18.00 per hour. Staff and the committee discussed the matter.

On a motion by Edwards and second by Riley, the Finance and Administration Committee recommended that the Board approve the limited-term Water Resources Assistant with changes discussed by staff for up to a total of 990 hours of work and several Fisheries Aides for up to 2,765 hours of work as amended. The motion was approved unanimously on a 3 – 0 vote.

11. Authorize Expenditure for Software Maintenance Agreements

On a motion by Edwards and second by Paull, the Finance and Administration Committee recommended that the Board approve expenditures and contract agreements in the amount of $197,000 to continue with annual software subscriptions and maintenance as shown in the table below. The motion was approved unanimously on a 3 -0 vote.

Product	Price
ESRI ArcGIS (District Wide)	12,500
Adobe Renewal (District Wide)	9,000
Anti-Virus (District Wide)	4,500
ProofPoint (Email Spam Filter)	2,500
Sonicwall (Firewall)	2,500
Office 365 Renewal (District Wide)	12,000
VM Ware (Server configuration)	2,000
Microsoft Veam/Azure (Backup)	24,000
DocuWare (Financial/HR)	24,500
Tyler Technologies (Financial/HR)	35,000
ClearGov (Financial)	5,500
GovInvest (Financial/HR)	7,500
Accela Support (Water Demand)	39,000
CaseWare Reporting (Financial)	9,500
Kisters North America (Hydrological)	7,000
TOTAL	**$197,000**

12. Consider Adoption of Resolution 2024-05 Establishing Article XIII (B) Fiscal Year 2023-2024 Appropriations Limit

On a motion by Edwards and second by Riley, the Finance and Administration Committee recommended that the Board adopt Resolution No. 2024-05, a Resolution of the Board of Directors of the Monterey Peninsula Water Management District Establishing an Appropriations Limit for Fiscal Year 2024-2025 in the amount of $2,236,614. The motion was approved unanimously on a 3 – 0 vote.

Informational Items:

13. Report on Activity/Progress on Contracts Over $25,000

This item was presented as information to the committee. No action was required or taken by the committee.

14. Status Report on Measure J/Rule 19.8 Phase II Spending

This item was presented as information to the committee.

Director Edwards asked staff to consider changing the title of this report to reflect the discussion had at the May 2, 2024 Board Workshop to, "Public's Ownership of Monterey Water System.

Discussion Item:

15. Review Draft May 20, 2024 Special and Regular Board Meeting Agenda and the Draft May 30, 2024 Special and Budget Workshop Meeting Agenda

General Manager Stoldt reviewed the draft May 20, 2024 Special and Regular Board meeting agenda and stated that additional Action Items will be added to the agenda. The committee discussed the possibility of modifying the current title on a report: Status Report on Measure J / Rule 19.8 Phase III/IV Spending and requested to implement a new title on the agenda and report. No additional modifications were made by the committee.

Adjournment

There being no further business, Chair Riley adjourned the meeting at 3:41 PM.

/s/ Sara Reyes

_____

Sara Reyes, Committee Clerk to the
MPWMD Finance and Administration Committee

Reviewed and Approved by the MPWMD Finance and Administration Committee on _____, 2024.
Received by the MPWMD Board of Directors on _____. 2024.

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FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

2. CONSIDER RECOMMENDATION TO AUTHORIZE A CONTRACT WITH TELEMETRIX FOR SLEEPY HOLLOW STEELHEAD REARING FACILITY MONITORING AND CONTROL SYSTEMS

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**Protect Environmental Quality 2-3-1-N**
Prepared By:	**Thomas Christensen**	**Cost Estimate:**	**$ 34,908**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: Exempt under §15262.

SUMMARY: This item is to authorize an agreement with Telemetrix (TMX) to provide up to 100 hours of consultant service to assist staff with plant operations and troubleshooting, maintain instruments, provide plant electrical equipment service, provide staff training, maintain a web service to provide remote access to on site controls, provide telecommunications, provide 24-hour alarm monitoring, and to provide archival operational monitoring data. It also includes costs associated with parts that need periodic replacement such as sensors.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize the General Manager to enter into an agreement with Telemetrix, Inc. for consultant services in an amount not-to-exceed $34,908.

DISCUSSION: The upgrade of the Sleepy Hollow Steelhead Rearing Facility completed in 2021 includes a sophisticated Programmable Logic Controller (PLC), water and air measurement instrumentation and other equipment that monitors and controls most functions of the plant, facilitates remote monitoring and operations, and sends alarm calls out when the plant is not operating correctly. TMX wrote the software and installed the PLC, maintains instrumentation, provides staff training, and provides electrical equipment maintenance, maintains a website for staff access, and provides 24-hour operator staffed dedicated alarm call out service. The proposed agreement would cover support of the facility by TMX for a one-year period.

IMPACTS ON STAFF AND RESOURCES: $34,908 in funds for this work are budgeted under Sleepy Hollow Operations Budget Program line item 2-3-1-N Operations Consultant with Web Support. The work would be performed under the direction of District staff involved with Sleepy Hollow operations.

EXHIBIT
2-A Consultant proposal

EXHIBIT 2-A

TO: Mr. Thomas Christensen, MPWMD
FM: Kim Cohan, Telemetrix
DT: May 9, 2024

RE: SHSRF annual support

Dear Mr. Christensen,

We are pleased to furnish this proposal to MPWMD for SHSRF support services.

Scope	**Cost**	**Annual**
Consulting and onsite services	Monday thru Friday 8A-5P. Principal: $175/hr Technician: $155/hr After hours, weekends add 50% Travel to site: travel to site billable.	$17,500/year (based on 100 hrs principal)
Plant alarm 24hr live operator response via dedicated redundant alarm channel cellular connection. Supervised communication channel integrity. Real time plant data collection, data storage, and presentation via web site. Downloadable storage of up to 12 months plant data. Email notifications. Cellular link. Real time plant remote control via low latency cellular connection.	$299.00/mo	$3,588/year

Enhanced Insurance (estimate)		$9,920.00
Estimated consumables	LDO oxygen sensors, Desiccant tubes, Wet bulb temp sensor.	$3,900.00
Total annual (estimated)		$34,908.00

Terms: Net 30 on approved credit.

Sincerely,

Kim Cohan, Owner
Kim@telemetrix.com
831-521-2360

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

3. CONSIDER CONTINUING REBATE FUNDING FOR CALIFORNIA AMERICAN WATER CUSTOMERS UNTIL APPROVAL OF THE CALIFORNIA AMERICAN WATER GENERAL RATE CASE

Meeting Date:	**June 10, 2024**	**Budgeted:**	**No**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**N/A**
Prepared By:	**Stephanie Locke**	**Cost Estimate:**	**$200,000**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

SUMMARY: The Peninsula's highly successful water saving rebate program is primarily funded by customer collections that are renewed as part of Cal-Am's General Rate Cases (GRC) every three years. A decision on the 2024-2026 GRC (filed in July 2022) is anticipated in 2024, and the District has been front-funding rebates since January 2024. Rather than shutting the rebate program down and reducing the current momentum, staff is requesting the Board continue to authorize advance funding from the General Reserve Fund until Cal-Am's GRC is approved and funds are available. The District has prefunded rebates in the past three GRCs while awaiting the final decision.

The pending GRC includes $1.1 million in rebate funding for the Monterey Peninsula for the next three years. Between January 1, 2024, until the GRC is approved with funding for the rebate program, Cal-Am is only collecting interim rates and is unable to reimburse the District until final approval of the GRC. Although there is a slight risk that rebate funding will not be approved by the CPUC, the program has been approved for funding since 2007.

Rebates are being funded from the general reserve fund. Cal-Am will reimburse the District for the advanced rebates following GRC approval. If authorized by the Board, staff will process and pay rebates up to a maximum of $200,000 for the first six months of FY 2024-25 and invoice Cal-Am for the expenditures when/if they receive GRC approval.

The District/Cal-Am rebate program is credited with a significant portion of the water savings since the Cease and Desist Order in 2009 (savings are reported monthly in the Water Conservation Program Report). The program offers extensive and generous rebates that motivate customers to purchase and install water efficient appliances. Shutting the program down until funding is available would negatively impact the community and the vendors. In 2011, the program was suspended awaiting the 2012 GRC approval. Once funding became available, it took

approximately 18 months to achieve current participation levels. Given the urgency of conservation and the Cease and Desist Order (CDO), staff recommends the Board authorize interim funding.

RECOMMENDATION: The Finance and Administration Committee may recommend the Board approve interim funding up to $200,000 from July 1 through December 2024 for the rebate program from the District's general reserve fund. District expenditures for Cal-Am customers will be reimbursed by Cal-Am when a rebate fund is approved in the GRC.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

4. CONSIDER RECOMMENDTION TO AUTHORIZE AN ANNUAL LICENSE AGREEMENT WITH MONTEREY COUNTY FOR WATER WISE GARDENING IN MONTEREY COUNTY

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**Conservation Program 4-2-2 J**
Prepared By:	**Stephanie Locke**	**Cost Estimate:**	**$5,000**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administration Committee considered this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The District hosts a web link to Monterey County Water Wise Landscaping to assist homeowners and professionals with landscape planning and design. Since landscape irrigation tends to generate the largest water usage on residential properties, the information provided by the software helps property owners be "garden smart" by providing information and photographs of water efficient plants and by allowing the user to create a landscape "shopping list." The software is accessed by approximately 2,000 unique visitors each year.

District staff is requesting authorization to renew its one-year license to continue use of the Monterey County Water Wise Landscaping software on the District's conservation program website. The license allows unlimited links to the host website. The Water Awareness Committee (WAC) of Monterey County (the District is a founding member) links to MPWMD's website on their webpage.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize the expenditure of $5,000 to renew the internet license with GardenSoft for the Monterey County Water Wise Landscaping software.

IMPACT TO STAFF/RESOURCES: Funds for this expenditure are available in item 4-2-2-J in the Fiscal Year 2024-2025 budget.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

5. CONSIDER RECOMMENDATION TO AUTHORIZE AGREEMENTS FOR OUTREACH ADVERTISING FOR FISCAL YEAR 2025

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**Conservation Program 4-2-1-A**
Prepared By:	**Stephanie Locke**	**Cost Estimate:**	**$5,000**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administration Committee considered this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The District runs monthly "branding ads" in two local papers and occasionally runs additional ads related to water conservation programs such as "Summer Splash" and the rebate program. The cost of the ads remains the same throughout the year and varies with the size of the advertisement. Staff sets up a purchase order for advertising in June and is seeking authorization to spend up to $40,000 for advertising during Fiscal Year 2025.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board approve the expenditure of $40,000 for advertising in Fiscal Year 2025.

IMPACT TO STAFF/RESOURCES: Funds for this expenditure are available in item 4-2-1-A in the Fiscal Year 2024-2025 budget.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

6. CONSIDER RECOMMENDATION TO AUTHORIZE A CONTRACT WITH CORELOGIC INFORMATION SOLUTIONS, INC. TO SUPPORT DEMAND MANAGEMENT PROGRAMS

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**Services & Supplies 26-05-761000**
Prepared By:	**Stephanie Locke**	**Cost Estimate:**	**$25,000**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The District uses CoreLogic Information Solution's online RealQuest Professional system to support the demand management programs. The software provides property information needed for researching and noticing properties, documenting ownership and use information for deed restriction preparation, and enforcement of the District's water efficiency standards. The service is utilized daily by the Water Demand Division, and monthly by the Water Resources and Environmental Resources Divisions. There are no other reasonably accessible alternative sources for the information provided by RealQuest.

The RealQuest license includes:

- Property Profile/Reports
- Street Map Search
- Parcel Maps
- Street Maps Plus
- User sign-on and passwords for eight staff (seven in Water Demand; one in Water Resources and Environmental Resources)
- Access to recorded documents and associated document imaging

Staff is requesting authorization to spend $25,000.00 to continue use of CoreLogic's RealQuest Professional services. Funding for this expenditure is included in the Fiscal Year 2024-2025 budget.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize the expenditure of up to $25,000 for Fiscal Year 2024-2025 to access CoreLogic's RealQuest Professional.

IMPACT TO STAFF/RESOURCES: None.

EXHIBIT
None

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FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

7. CONSIDER RECOMMENDATION TO AUTHORIZE A CONTRACT WITH CORPORATION SERVICE COMPANY - RECORDING FEES

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**Recording Fees 26-05-781900**
Prepared By:	**Stephanie Locke**	**Cost Estimate:**	**$60,000 (partially reimbursed)**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The District records approximately 150 documents each month with the County Recorder's office with average recording fees of $35. The documents are electronically recorded through Corporation Service Company (CSC). Approximately 40 percent of the recording fees are reimbursed by the applicant. Recorded documents include deed restrictions related to access to water records and limitations on use, Well Confirmation of Exemptions, Water Distribution System Permits, and notices of non-compliance/compliance and removal.

CSC requires immediate payment at the time a document is recorded. To facilitate this, the District maintains a deposit account that is regularly refilled to cover recording costs. Staff is seeking approval of $60,000 of budgeted funds for document recording during Fiscal Year 2024-2025.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board approve the expenditure of $60,000 for recording fees for Fiscal Year 2024-2025.

IMPACT TO STAFF/RESOURCES: Funds for this expenditure are included in the Fiscal Year 2024-2025 budget.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

8. CONSIDER RECOMMENDATION TO AMEND CONTRACT WITH PUEBLO WATER RESOURCES, INC. TO PROVIDE HYDROGEOLOGIC REVIEW FOR WATER DISTRIBUTION SYSTEM PERMITS

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**WDS Permitting 2-8-2**
Prepared By:	**Gabriela Bravo**	**Cost Estimate:**	**$2,000**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The Board will consider authorizing the General Manager to amend an existing contract with Pueblo Water Resources, Inc. (Pueblo) to authorize a maximum of $2,000 for Fiscal Year (FY) 2024-2025 (July 1, 2024 through June 30, 2025) to continue to help District staff carry out MPWMD Rules and Regulations governing Water Distribution Systems (WDS), specifically in regards to hydrogeologic review of Well pumping test reports and related tasks. The $2,000 limit would be tracked as follows:

Program 2-8-2, "Hydrologic Impact Review," with up to $2,000 as 100% reimbursable from applicants.

Exhibit 8-A is the proposed scope of work and cost estimate from Pueblo for FY 2024-2025. The proposed $2,000 total limit is the same as that budgeted in FY 2023-2024. The hydrogeologic review will be primarily associated with Level 3 WDS Permits under the current rules. The applicant must show that a Well (or other water source) will reliably meet the applicant's needs and will not adversely affect the Monterey Peninsula Water Resource System or Sensitive Environmental Receptors as defined in District Rule 11.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize the General Manager to amend the current District professional services contract with Pueblo for a not-to-exceed amount of $2,000 for FY 2024-2025, which was recently adopted by the Board as part of the FY 2024-2025 budget. If this item is adopted along with the Consent Calendar, staff will execute a contract amendment with Pueblo.

BACKGROUND AND DISCUSSION: Pueblo has been retained since June 2006 to assist staff with WDS Permit processing on an as-needed basis. All amounts are maximums; only

actual hours of service are billed. Invoiced hours submitted by consultants for review of each application are reimbursed by the applicant before the applicant receives the signed WDS Permit. Pueblo's rates are competitive with other consulting firms with experienced, registered hydrogeologists. Pueblo is very knowledgeable about local hydrogeology and MPWMD procedures, and is considered to be cost-efficient for this work. Pueblo also has contracts with the District for Aquifer Storage and Recovery tasks in the Seaside Groundwater Basin.

Continued WDS applications are expected due to restrictions on the availability of California American Water supply for new construction and remodels. Consultant assistance is essential to adequately process permit applications in compliance with the State Permit Streamlining Act and to help the Water Resources Division address technical questions relating to the WDS process.

IMPACT TO DISTRICT RESOURCES: Pueblo's technical work is directed by the Water Demand Division staff. Pueblo's work product is used as evidence in preparing WDS Permit documents, including the required Findings of Approval.

EXHIBIT

8-A Pueblo Water Resources Scope of Work and Fee Schedule for FY 2024-2025

8-B Draft Contract Amendment

EXHIBIT 8-A

May 31, 2024
Project No. 24-0030

Monterey Peninsula Water Management District
Post Office Box 85
Monterey, California 93942

Attention: Ms. Gabby Ayala

Subject: Proposal for Continuing Professional Hydrogeologic Services; WDS Permitting Assistance, Fiscal Year 2024-2025

Dear Gabby:

Pursuant to your request, Pueblo Water Resources, Inc. (PWR) is pleased to submit this proposal for continuing assistance with the processing of Water Distribution Systems (WDS) permit applications during Fiscal Year 2024-2025 (FY 2024-2025). It is our understanding that the Monterey Peninsula Water Management District (District) desires PWR to provide continued technical assistance with the review and evaluation of Well Source and Pumping Impact Assessments (assessments) for compliance with District Technical Procedures. Presented in this proposal is the scope of services and associated budget to provide the requested services.

SCOPE OF SERVICES

Task 1 – Assist with Assessment Reports

This task consists of the review and evaluation of assessments submitted by applicants for compliance with District technical procedures and providing written documentation summarizing our findings for each reviewed assessment. This task also includes providing assistance with the preparation of any hydrogeologic evaluations requested by the District related to the WDS program. Consistent with past practice, our work will be performed with direct oversight of the General Manager or his/her designee (e.g., the District Senior Hydrogeologist) on an as-needed / as-directed basis.

Fees

Our services will be billed on a time-plus expenses basis in accordance with our current Fee Schedule (attached) for a **not-to-exceed amount of $2,000**. Consistent with past practice, we will track our costs associated with each WDS applicant separately to facilitate reimbursement by the applicants. In the event that the overall number or complexity of the assessments to be evaluated requires effort beyond the established budget, we will notify you in writing as soon as possible.

We appreciate the opportunity to provide assistance to the District and look forward to the timely and successful performance of the work. As always, if you have any questions, please contact me.

Sincerely,

Pueblo Water Resources, Inc.

Robert C. Marks, P.G., C.Hg.
Principal Hydrogeologist

RCM

Attachments: 2024 Fee Schedule

PUEBLO WATER RESOURCES, INC.
2024 FEE SCHEDULE

Professional Services

Principal Professional.....$235/hr
Senior Professional.....$220/hr
Project Professional.....$205/hr
Staff Professional.....$175/hr
Technician.....$165/hr
Illustrator.....$150/hr
Word Processing.....$130/hr

Other Direct Charges

Subcontracted Services..... Cost Plus 15%
Outside Reproduction..... Cost Plus 15%
Travel Expenses.....Cost Plus 15%
Per Diem*.....$150/day
Vehicle $75/day

Equipment Charges

Drilling Fluid Test Kit..... $100/day, $400/week
Field Water Quality Meter (Hach DR890)..... $75/day, $275/week
Orion ORP/pH/Temp Probe..... $75/day, $275/week
Water Level Probes (In-Situ Level Troll)..... $75/day, $300/week
Water Level Probes – Long Term Deployment (> 6 months).... $150/month
Water Quality Probes (In-Situ Aqua Troll)..... ..... $100/day, $325/week
Ultrasonic Flowmeter..... .....$200/day, $750/week

*Regionally and seasonally specific to project.

PUEBLO WATER RESOURCES, INC • 4478 Market Street, Suite 705 • Ventura, CA 93003
805.644.0470 • 805.644.0480 FAX

EXHIBIT 8-B

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CONTRACT AMENDMENT BETWEEN PUEBLO WATER RESOURCES AND MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

The original October 11, 2006 professional services contract with **Pueblo Water Resources**, **Inc.,** amended on July 17, 2007; July 4, 2008; July 8, 2009; July 13, 2010; August 18, 2011; August 6, 2012; August 7, 2013; August 7, 2014; July 14, 2015; August 6, 2016; July 19, 2017; July 18, 2018, July 2019, June 2020, June 2021; June 2022; June 2023; is hereby again amended as follows:

Section I, Scope of Services. The attached scope of work for July 1, 2024, through June 30, 2025, replaces Exhibit A.

Section II, Compensation. (Sections A and B) The fee schedule is replaced by a new fee schedule, also attached. The work schedule is amended to state that the term of the contract is for the period July 1, 2024, through June 30, 2025. The final invoice for work performed through June 30, 2025, must be received by the District no later than June 15, 2025.

(Section II-C, Maximum Payment) Maximum Payment for the period July 1, 2024, through June 30, 2025, is $2,000, and is designated for review of hydrogeologic assessments to be reimbursed by Water Distribution System (WDS) Permit applicants (MPWMD Program 2-8-2), subject to prior approval by the MPWMD General Manager.

I have read this Contract Amendment and agree to its terms.

_____ _____

Robert C. Marks, Principal
Pueblo Water Resources, Inc.
Fed Tax ID#: 20-4443519

Dated

_____ _____

David J. Stoldt
MPWMD General Manager

Dated

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

9. CONSIDER ADOPTION OF RESOLUTION NO. 2024-10 -- ANNUAL UPDATE TO RULE 24, TABLE 3, CAPACITY FEE HISTORY

Meeting Date:	**June 10, 2024**	**Budgeted:**	**N/A**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**N/A**
Prepared By:	**Gabriela Bravo**	**Cost Estimate:**	**N/A**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee considered this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: District Rule 24 requires that the Capacity Fee History Table be updated annually by Resolution of the Board to reflect the new fiscal year's Capacity Fee. Resolution No. 2024-10 (**Exhibit 9-A**) updates Rule 24, Table 3: Capacity Fee History. The Capacity Fee History was last updated on June 14, 2023.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board adopt Resolution No. 2024-10 to update Rule 24, Table 3, Capacity Fee History.

EXHIBIT
9-A Resolution No. 2024-10 and Table 3: Capacity Fee History

EXHIBIT 9-A

DRAFT
RESOLUTION NO. 2024-10

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE MONTEREY PENINSULA WATER MANAGEMENT DISTRICT UPDATE RULE 24, TABLE 3: CAPACITY FEE HISTORY

WHEREAS, Capacity Fee charges of the Monterey Peninsula Water Management District (MPWMD) are set forth in the MPWMD Rules and Regulations; and

WHEREAS, Rule 24 (C) of the District stipulates that the Capacity Fee History Table shall be updated annually by Resolution of the Board to reflect the current year's Capacity Fee;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of Monterey Peninsula Water Management District hereby shall update the Capacity Fee Table as set forth in **Attachment 1** to this Resolution; and that these changes shall become effective immediately.

PASSED AND ADOPTED on this 17th day of June 2024 on a motion by Director _____ and second by Director _____by the following vote, to wit:

AYES:

NAYES:

ABSENT:

I, David J. Stoldt, Secretary of the Board of Directors of the Monterey Peninsula Water Management District, hereby certify that the foregoing is a resolution adopted on the ___th day of June, 2024.

Dated:

_____
David J. Stoldt,
Secretary to the Board

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Attachment 1 to Resolution No. 2024-10

TABLE 3: CAPACITY FEE HISTORY

YEAR	CAPACITY FEE
1985	$10,623.20
1985-86	$11,133.00
1986-87	$11,433.59
1987-88	$11,890.93
1988-89	$12,295.22
1989-90	$12,983.75
1990-91	$13,529.07
1991-92	$14,056.70
1992-93	$14,661.00
1993-94	$15,202.00
1994-95	$15,325.00
1995-96	$15,692.00
1996-97	$15,960.00
1997-98	$16,551.00
1998-99	$17,048.00
1999-00	$17,832.00
2000-01	$18,492.00
2001-02	$19,565.00
2002-03	$19,976.00
2003-04	$20,415.00
2004-05	$20,517.00
2005-06	$20,948.00
2006-07	$21,618.00
2007-08	$22,331.00
2008-09	$22,979.00
2009-10	$23,163.00
2010-11	$23,567.00
2011-12	$24,227.00
2012-13	$24,735.00
2013-14	$25,328.00
2014-15	$26,037.00
2015-16	$26,661.00
2016-17	$27,380.00
2017-18	$28,420.00
2018-19	$29,329.00
2019-20	$30,502.00
2020-21	$30,837.00
2021-22	$32,008.00

2022-23	$33,608.00
2023-24	$35,019.00
2024-2025	*$36,350.00*

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

10. CONSIDER APPROVAL OF FUNDING FOR OUTREACH EVENT "SUMMER SPLASH WATER CHALLENGE GIVEAWAY 5"

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**Conservation Program 4-2-1-A**
Prepared By:	**Stephanie Kister**	**Cost Estimate:**	**$15,000 (Partially Reimbursable)**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The Summer Splash Water Challenge Giveaway was started in 2020 in response to the COVID-19 shutdown. It is a virtual/print educational water conservation gameboard designed for children and families. Participants watch videos online and/or visit educational websites through links on the event website to find the answers to the questions on the gameboard. Completed gameboards are submitted to MPWMD for a chance to win a prize. Winners are featured on the MPWMD Facebook page. There were 80 participants in 2020, 64 in 2021, 90 in 2022, and 469 in 2023 that turned in completed gameboards for a chance at the prizes. However, those numbers do not reflect the conservation message communicated through the advertising, the number of people who visited the page and did not submit a completed gameboard, or the family members who helped answer the questions. Overall, this program has been a very successful outreach effort.

Summer Splash 5 is a joint program with California American Water (Cal-Am). Costs for the program prizes, advertising, and website upgrades will be split with Cal-Am. The new game will launch July 1, 2024, and run through July 31st. The full event plan is attached as **Exhibit 10-A**.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board approve the expenditure of budgeted funds for up to $15,000 for this outreach event. Cal-Am will reimburse the District for half of the expenses.

IMPACT TO STAFF/RESOURCES: Funds for this expenditure are included in the Fiscal Year 2024-2025 budget.

EXHIBIT
10-A Summer Splash 2024 Outreach Plan

EXHIBIT 10-A

2024 Outreach: Summer Splash Water Challenge Giveaway 5

Summary: The Summer Splash Water Challenge Giveaway was started in 2020 in response to COVID lockdown. It's a virtual/print educational water conservation gameboard designed for kids and families. Participants watch videos online and/or visit educational websites as linked on the event website to find the answers to the questions on the gameboard. Completed gameboards are submitted to MPWMD for a chance to win a prize. Winners are featured on MPWMD Facebook page. It will launch July 1 and run through July 31.

Design: The gameboard will follow the design from 2023.

Content: The gameboard will have the following questions and sources below

- How much of water on earth is drinkable?
- How much water can you save by turning off the faucet when you brush your teeth?
- How do you plan to save water at your house?
- How do you save water when doing laundry?
- How can you save water in the bathroom?
- How can you save water in the kitchen?
- How can you save water outdoors?
- One drip every second adds up to five gallons per day! Check your faucets and showerheads for leaks and fix them. How many did you find?
- Who can take the shortest shower in your house? Time them and see who wins!
- Put food coloring in your toilet tanks. If it seeps into the bowl without flushing, there's a leak. Did you find any leaks?
- Can you locate the water shut off valve for your home? Where is it?
- How much is the rebate for a High Efficiency Clothes Washer?
- How much is the rebate for a High Efficiency Toilet?

Sources:

Media Plan: The Summer Splash Water Challenge Giveaway 5 will have an "event page" at www.montereywaterinfo.org where the videos can be viewed and the answers recorded in a form for submission. It will be advertised in the local new papers, on social media, and by Cal-Am email blast. The specific Ad Placement plan is attached with a cost estimate of $11,476.00.

Prizes: The prizes offered will be a High Efficiency Clothes Washer, an iPad, and four $50 Visa gift cards. Participants will be able to select which prize they want to be entered in for a chance to win.

MPWMD

Media Placement for Summer Splash Ads / July 2024

Monterey Bay Parent				
Banner Home	1280 x 320	July	$600	
Banner News	728 x 180	July	$250	$ 850.00
Pine Cone				
Full page	9.75” x 15.85”	5, 19	$1,350 x 2	2,700.00
Half page	9.75” x 7.88”	12, 26	$775 x 2	1,550.00
MC Weekly				
Full page	9.5” x 11.32”	4, 11, 18, 25	$1,369 x 4	5,476.00
MPWMD Newsletter				
Promo	Half / Full	tbd	n/c	
Website updates				900.00
TOTAL MEDIA PLACEMENT				**$ 11,476.00**

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

11. CONSIDER APPROVAL OF FUNDING AND CONTINUATION OF THE "MULCH MADNESS" CONSERVATION PROMOTION

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**Conservation Program 4-2-2-O**
Prepared By:	**Stephanie Locke**	**Cost Estimate:**	**NTE $12,000**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administration Committee considered this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The District, in partnership with California American Water (CAW), intends to continue the "Mulch Madness" event to promote water conservation in the landscape by providing reduced cost mulch to District occupants. Mulch is a layer of organic material, usually bark/wood chips, leaves, and grasses, but can include items such as newspaper, straw and hay. It is applied in the landscape to the surface of the soil to conserve soil moisture, improve fertility, regulate soil temperature, and reduce weed growth. Mulch can reduce water use by 20-25 percent. As an organic product, it decomposes into soil over time and needs to be topped off annually.

As part of the joint MPWMD/CAW mulch conservation program, staff requests approval of funding not to exceed $12,000 for mulch giveaway during 2024-2025 for mulch and advertising. "Mulch Madness" will provide two cubic yards of free mulch to MPWMD/CAW customers, both commercial and residential properties. The mulch will be provided by Tope's Sustainable Garden Center, 115 Monterey Salinas Hwy, Salinas, at a heavily discounted rate of $20/cubic yard (cu yd) compared to the normal $35/cu yd, for a total cost of $40 per customer, plus tax (two other Peninsula vendors refused to offer a discount). Customers must pick up the mulch or pay a delivery cost. Two cubic yards will fit in a truck bed or in the back of most cars. Tope's has agreed to offer additional mulch to the customer at $29.99/cu yd, a discount of nearly 25% off the normal price. Maximum discounted mulch amount will be set by Tope's and communicated to customers in the advertising. The type of mulch is recycled green waste from local tree trimming/removal vendors, primarily Monterey Pine and Monterey Cypress. Customers will be eligible to receive free mulch once every year as the nature of mulch is that it breaks down and needs to be topped off.

The giveaway will be promoted by email using CAW's email database, through MPWMD/CAW social media pages, and with print ads in local papers. To confirm eligibility, customers will be required to fill out a form on Montereywaterinfo.org which will be reviewed by CAW staff. Once

approved, they will be issued a voucher to present to Tope's. Tope's will bill MPWMD/CAW for the number of vouchers redeemed. The budget for the program is $12,000.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board approve the expenditure of up to $12,000 to partner with CAW for the Mulch Madness conservation program.

IMPACT TO STAFF/RESOURCES: Funds for this expenditure were included in item 4-2-2-O in the Fiscal Year 2024-2025 budget.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

12. CONSIDER RECOMMENDATION TO AUTHORIZE A CONTRACT WITH ETECH CONSULTING FOR AS-NEEDED MAINTENANCE OF THE ACCELA DATABASE

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.**	**xxxxx**
Prepared By:	**Stephanie Kister**	**Cost Estimate:**	**$10,000**

Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

SUMMARY: The District utilizes Accela software for its demand management program. This database is used for the rebate program, property title transfer compliance and permitting. The system also includes inventories for all types of water fixtures and uses, credits and debits occurring as part of the water permit process, financial accounting, and tracking of allocations and entitlements.

The Accela software has been highly customized, and due to the complex and advanced nature of the District's regulations, the system is very complex. When regulations are changed, there is a need to adjust the functionality of the Accela system. Etech Consulting is available on an as-needed hourly basis to implement changes to the system. Staff requests approval for up to 57 hours at $175 for a not to exceed amount of $10,000 for Fiscal Year 2024-2025.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board approve the expenditure of up to $10,000 for Accela maintenance. Funding for this work is included in the Fiscal Year 2024-2025 proposed budget.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

13. CONSIDER RECOMMENDATION TO AUTHORIZE A NEGOTIATED CONTRACT WITH A LICENSED C-57 CONTRACTOR FOR REPAIRS ON ASR ON AN AS-NEEDED BASIS

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/**	**Water Supply Projects ASR Operations & Maintenance**
		Line Item:	**1-2-1**
Prepared By:	**Jonathan Lear**	**Cost Estimate:**	**$50,000**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee discussed this item on June 10, 2024, and recommended_____.
CEQA Compliance: This action is a categoric exemption from CEQA under CEQA Guideline Section 15301 for "Existing Facilities." District will prepare a NOE for this effort

SUMMARY: The District's Carmel River Aquifer Storage and Recovery (ASR) project is operated under a cooperative agreement between the District and California American Water (Cal-Am.). Under this agreement, the District operates the wells during injection season and collects and reports data required to meet permit requirements for the State Water Resources Control Board Division of Water Rights (DWR) and the Regional Water Quality Control Board. The District also provides data to the Seaside Groundwater Basin Watermaster (Watermaster) related to the Storage and Recovery agreement between Cal-Am and the Watermaster.

Currently ASR 1 and ASR 2 are operational as injection wells at the Santa Margarita facility and are owned by the District. ASR 3 and ASR 4 are located at the Seaside Middle School site and are owned by Cal-Am but are currently being used for extraction only. Under the Amended Restated Aquifer Storage and Recovery Agreement between the District and Cal-Am, the District is responsible for scheduling maintenance and repair of ASR facilities owned by the District. Under the ASR agreement, all maintenance and repair performed on District-owned ASR facilities are reimbursable.

Under the California Uniform Public Construction Cost Accounting Act (CUPCCA) adopted by the District on April 15, 2024, Public projects of sixty thousand dollars ($60,000) or less may be performed by negotiated contract or by purchase order. District staff is seeking Board approval under the CUPCCA to hire a licensed C-57 Contractor to perform as-needed well repairs for a not-to-exceed amount of $60,000 in FY 24-25 if necessary. District staff would use comparable rates, experience working on District-owned ASR facilities, and availability to perform timely work as selection factors for choosing the contractor. With this ability, District staff will be able to move

quickly to repair issues on ASR that may arise, which without swift action could potentially reduce ASR injection volumes or cause regulatory non-compliance. If a repair of more than $60,000 is necessary, District staff will solicit the project in accordance with CUPCCA and will seek Board approval to award the contract and update the budget.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize District staff to enter into a contract of up to $60,000 to hire a licensed C-57 contractor for as-needed repair of District-owned ASR facilities, if necessary, in FY 24-25.

EXHIBIT
None

FINANCE AND ADMINISTRATIVE COMMITTEE

ITEM: ACTION ITEM

14. CONSIDER RECOMMENDATION TO AUTHORIZE A CONTRACT WITH TJC AND ASSOCIATES, INC. TO PROVIDE ELECTRICAL SUPPORT SERVICES

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**Dave Stoldt General Manager**	**Program/ Line Item No.:**	**1-2-1/ 35-04-786004**
Prepared By:	**Maureen Hamilton**	**Cost Estimate:**	**$45,000**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administrative Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The ASR sites were developed over 25 years. Multiple projects had overlapping design and construction schedules, projects have been implemented by both MPWMD and California American Water, and some projects or are no longer required.

During the 2020 Santa Margarita Chemical Building design, MPWMD's now-retired Electrical Designer said MPWMD would need a new PG&E power drop if additional power consuming infrastructure was installed. MPWMD staff is requesting authorization to contract with a licensed Electrical Engineer to review our electrical system, understand our remaining electrical system capacity, and to provide overall electrical system support.

Staff requested qualifications from 4 firms recommended by other local public water agencies. Of the 3 firms that responded, TJC and Associates (TJC) was ranked the highest. TJC has been in business since 1996, has 3 offices in Northern California, has 6 licensed electrical engineers on staff, is working in the Monterey area, and has impressive experience in water-industry power.

Work will be conducted on a time and materials basis. Staff is requesting funding for approximately 4 weeks of consultant time to perform investigative work. If investigative work takes less time than the budgeted, remaining budget would be available for use over a total contract time of 3 years.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize the General Manager or his designee to enter into a contract with TJC and Associates, Inc. to provide electrical engineering support services to MPWMD for an amount not to exceed $45,000.

EXHIBITS

14-A Draft Contract

14-B TJC Summary of Qualifications

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EXHIBIT 14-A

AGREEMENT BETWEEN THE MONTEREY PENINSULA WATER MANAGEMENT DISTRICT AND TJC AND ASSOCIATES, INC. FOR PROFESSIONAL SERVICES TO PROVIDE ELECTRICAL ENGINEERING SERVICES

THIS AGREEMENT is entered into this _____ day of _June_, 2024, by and between Schaaf & Wheeler, hereinafter called "Consultant," and the Monterey Peninsula Water Management District, hereinafter called "MPWMD".

SECTION I - SCOPE OF SERVICES

MPWMD hereby engages Consultant for services as set forth in **Exhibit A**, Scope of Work.

SECTION II TIME OF PERFORMANCE

Consultant shall begin work upon the effective date of this Agreement and shall complete all tasks described herein according to the schedule shown in **Exhibit B**, Work Schedule, and consistent with the professional skill and care ordinarily provided by engineering professionals practicing in the State of California under the same or similar circumstances.

SECTION III COMPENSATION

A. FEE SCHEDULE

Fees payable to Consultant for services specified herein shall be in accordance with the Budget and Fee Schedule in **Exhibit C**.

B. METHOD OF PAYMENT

Payment of fees shall be based on work completed, as documented in monthly billings submitted by Consultant. Monthly billings shall include previously invoiced total, current invoice amount, and remaining budget. Work reports shall be rendered in accordance with the schedule shown in **Exhibit B**, Work Schedule.

Payments are due and payable within thirty (30) days after receipt of each invoice subject to a finding by MPWMD that work performed has been satisfactory and that payment is for the work specified in **Exhibit A**, Scope of Work. Where MPWMD finds the work to be unsatisfactory, MPWMD shall describe deficiencies in writing to Consultant within ten (10) days.

The final invoice for work performed shall be submitted not later than sixty (60) days following notification by MPWMD of completion of such work. The final invoice shall be paid not later than thirty (30) days after receipt of the final invoice.

C. MAXIMUM PAYMENT

Payments to Consultant for services rendered and expenses incurred under this Agreement **shall not exceed $45,000.**

D. LATE PERFORMANCE PENALTY

With respect to the work within its direct control, in the event Consultant is unable to perform satisfactory work consistent with the professional skill and care ordinarily provided by professionals practicing in the State of California under the same or similar circumstances within thirty (30) calendar days of the date such work is due pursuant to **Exhibit B**, Work Schedule, MPWMD may, in its discretion, withhold an additional five percent (5%) of the fees which would otherwise be payable pursuant to the fee schedule set forth in Exhibit B. This amount may be increased to a maximum of 10% after sixty (60) calendar days of the date such work is due.

Consultant shall not be responsible for delays to the Schedule due to actions outside of its immediate control. Delays due to lack of performance by other parties shall be documented and the Schedule adjusted to reflect the length of the delay incurred

SECTION IV INSPECTION OF WORK

The books, papers, records and accounts of Consultant or any subconsultants retained by Consultant insofar as they relate to charges for services, or are in any way connected with the work herein contemplated, shall be open at all reasonable times to inspection and audit by the agents and authorized representatives of MPWMD. Said records shall be retained for a minimum of five (5) years after completion of services.

SECTION V OWNERSHIP OF PROJECT REPORT AND EQUIPMENT PURCHASED

All original documents, explanations of methods, maps, tables, computer programs, reports and other documents prepared under this Agreement and equipment purchased specifically for the project shall become the exclusive property of MPWMD.

Digital data used to generate tables, figures, diagrams, images, Geographical Information System (GIS), and Computer Aided Design (CAD) drawings shall be considered separate deliverables and shall be provided in the application's native format to MPWMD after acceptance by MPWMD of the final work product(s). Portable Document Format (PDF) files shall be delivered in a searchable format.

AutoCAD drawings shall be delivered in Portable Document Format (PDF). AutoCAD drawings in native format and compatible with AutoCAD LT shall be delivered upon MPWMD request.

Consultant may retain copies for Consultant's own use.

SECTION VI RESPONSIBILITIES

A. Consultant represents that Consultant has or will secure at Consultant's own expense all personnel, materials, and related services required to perform the services under this Agreement. Consultant shall act as an independent consultant and not as an agent or employee of MPWMD. Consultant shall have exclusive and complete control over Consultant's employees and subcontractors, and shall determine the method of performing the services hereunder.

B. Upon request, MPWMD shall provide Consultant with all relevant data and studies in its possession without charge. Consultant represents that Consultant is familiar with such materials provided by MPWMD and that they are sufficient to discharge MPWMD's obligation hereunder.

C. MPWMD shall coordinate and arrange for all meetings required to be held with other agencies or persons hereunder, unless otherwise specified in **Exhibit A**, Scope of Services.

D. Consultant shall be responsible for the reproduction of work produced by Consultant hereunder.

E. The officers, agents, and employees of MPWMD shall cooperate with Consultant in the performance of services under this agreement without charge to Consultant. Consultant agrees to use such services insofar as feasible in order to effectively discharge Consultant's obligations hereunder and further agrees to cooperate with MPWMD's officers, agents and employees.

F. The Consultant agrees to indemnify, defend and save harmless MPWMD, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all consultants, subcontractors, material men, laborers and any other person, firm or corporation who may be injured or damaged by the negligent acts, errors, and/or omissions of the Consultant, Consultant's employees, or Consultant's subcontractors or subconsultants in the performance of this Agreement.

G. The Consultant agrees to maintain backup files of work performed such that MPWMD drawings are secure and up-to-date.

SECTION VII INSURANCE

A. Consultant shall obtain and keep insurance policies in full force and effect as shown in **Exhibit D**, Insurance Requirements.

B. Consultant shall provide photocopies of Consultant's current Automobile insurance policy [or policies], including endorsements thereto, or current certificates of insurance in lieu thereof, to MPWMD.

C. Consultant shall require any subcontractor to provide evidence of the same insurance coverages specified in VII.A.

D. Consultant shall provide notice to MPWMD of any cancellation or material change in insurance coverage where MPWMD has been named as additional insured, such notice to be delivered to the MPWMD in accord with Section XV of this Agreement at least ten (10) days before the effective date of such change or cancellation of insurance.

E. Evidence acceptable to MPWMD that Consultant has complied with the provisions of this Section VII shall be provided to the MPWMD, prior to commencement of work under this Agreement.

F. All policies carried by the Consultant shall provide primary coverage instead of any and all other policies that may be in force. MPWMD shall not be responsible for any premium due for the insurance coverages specified in this Agreement.

SECTION VIII CHANGES AND CHANGED CONDITIONS

A. If, during the course of the work herein contemplated, the need to change the Scope of Work or the Work Schedule should arise, for whatever reasons, whichever party first identifies such need to change shall notify the other party in writing. The representatives of the parties shall meet within seven (7) working days of the date of such notice to discuss the need for change so identified and to set the proposed action to be taken by the parties. A change in the Scope of Work may also result in a change in the compensation amount. Compensation changes shall be based upon the Consultant Budget and Fee Schedule (**Exhibit C**) attached hereto. Any changes agreed to shall be documented by duly executed amendments to this Agreement.

B. MPWMD reserves the right to specify individual employees, subcontractors or agents of Consultant who shall be assigned to perform the tasks specified in **Exhibit A**, Scope of Services. If, during the course of the work herein contemplated, there is a change such that the specified individual employees, subcontractors or agents are no longer assigned to the work described in this contract and/or are no longer affiliated with Consultant, Consultant shall immediately notify MPWMD in writing. Consultant shall assign the rights to this contract to another entity, if requested by MPWMD, as part of termination proceedings pursuant to Section IX, Termination.

SECTION IX TERMINATION

A. MPWMD may terminate Consultant's services at any time by written notice to Consultant at least thirty (30) days prior to such termination. Upon receipt of written notice from MPWMD that this Agreement is terminated, Consultant shall submit an invoice for an amount that represents the value of services actually performed to the date of said notice for which Consultant has not previously been compensated. Upon approval of this invoice by MPWMD, Consultant shall be paid from the sum found due after having applied the

provisions of Section III, Paragraph (D) of this Agreement, "Late Performance Penalty," where applicable, and MPWMD shall have no further obligation to Consultant, monetarily or otherwise.

B. Upon receipt of written notice of termination, the Consultant shall (1) promptly discontinue all services affected (unless the notice directs otherwise), and (2) deliver or otherwise make available to MPWMD, copies, including magnetic media, of data, design calculations, drawings, specifications, reports, estimates, summaries and other such information and materials as may have been accumulated by the Consultant in performing the services under this Agreement.

SECTION X SUB-CONTRACTING AND ASSIGNABILITY

Consultant shall not sub-contract any portion of the work required by this Agreement nor otherwise assign or transfer any interest in it without prior written approval of MPWMD. Any work or services subcontracted hereunder shall be specified by written contract or agreement and shall be subject to each provision of this Agreement.

SECTION XI DISCRIMINATION AND FAIR EMPLOYMENT

Attention is directed to Section 1735 of the California Labor Code, which reads as follows:

> "No discrimination shall be made in the employment of persons upon public works because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the government code and every Consultant for public works violating this section is subject to all penalties imposed by a violation of this chapter."

During the performance of this Agreement, Consultant and its contractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (cancer), age (over 40), marital status, and denial of family care leave. Consultant and its contractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Consultant and its contractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12990 (a-f) et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full.

SECTION XII INTEREST OF CONSULTANT

Consultant covenants that Consultant presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement.

SECTION XIII CONTINGENT FEES

Consultant warrants that Consultant has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement, and that Consultant has not paid or agreed to pay any company, or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gifts, or other consideration, contingent upon or resulting from the award or making of this Agreement. For breach of violation of this warranty, MPWMD shall have the right to annul this Agreement without liability or at its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage, gift or contingent fee.

SECTION XIV DISPUTES

In the event of a dispute arising out of the performance of this Agreement either party shall, as soon as a conflict is identified, submit a written statement of the conflict to the other party. Within five (5) working days of receipt of such a statement of conflict, the second party will respond and a meeting will be arranged not more than five (5) working days thereafter to arrive at a negotiated settlement or procedure for settlement. If, within twenty (20) working days from the initial filing of a statement of conflict an agreement cannot be reached, it is agreed that the dispute may be resolved in a court of law competent to hear this matter. This Agreement shall be construed in accord with California law and it is agreed that venue shall be in the County of Monterey. The prevailing party shall be awarded costs of suit, and attorneys' fees.

SECTION XV NOTICES

All communications to either party by the other shall be deemed given when made in writing and delivered or mailed to such party at its respective address, as follows:

MPWMD: Maureen Hamilton
Monterey Peninsula Water Management District
5 Harris Court, Building G
or
P. O. Box 85
Monterey, CA 93942-0085

CONSULTANT: Eileen Nakamura
TJC and Associates, Inc.
XX street address
XX city, state, zip

SECTION XVI AMENDMENTS

This Agreement together with **Exhibits A, B, C** and **D** sets forth the entire understanding of the parties with respect to the subject matter herein. There are no other agreements expressed or implied, oral or written, except as set forth herein. This Agreement may not be amended except upon written amendment, executed by both parties hereto.

SECTION XVII ATTACHMENTS

The following exhibits attached hereto and referred to in the preceding sections are, by reference, incorporated herein and made an integral part of this Agreement:

Exhibit A. Scope of Work
Exhibit B. Work Schedule
Exhibit C. Budget and Fee Schedule
Exhibit D. Insurance Requirements
Exhibit E. Drug Free Workplace Certification

IN WITNESS WHEREOF, the parties hereto have entered into this Agreement effective as of the day and year first above written.

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

_____ Date _____

BY: David J. Stoldt, General Manager

CONSULTANT

_____ Date _____

BY:

FEDERAL TAX IDENTIFICATION NUMBER:

EXHIBIT A – SCOPE OF WORK

The overall approach to the work includes, and is not limited to:

1. Review load tables on one-line drawings,
2. meet remotely with MPWMD to discuss both MPWMD and TJC questions,
3. resolve questions as possible,
4. develop plan with MPWMD to assess available power,
5. as budget allows and as directed by MPWMD:
    a. Evaluate the former Chemical Shed power for future analyzer and lubrication pump projects,
    b. Recommendations to improve drawings,
    c. Recommendations for additional monitoring and maintenance, and
    d. Additional technical assistance.

Deliverables include meeting minutes, a questions and answers document, and document or drawings with the correct available power per meetings. Deliverables may be prepared by MPWMD in an effort to maximize available TJC budget.

Site visits are not anticipated at this time.

EXHIBIT B – WORK SCHEDULE

Task 1 shall be completed within 3 months after MPWMD delivers drawings to TJC.

Task 3 shall be completed within 2 months after meeting with MPWMD barring unforeseen complications regarding questions and answers about the electrical system.

EXHIBIT C – BUDGET AND FEE SCHEDULE

The fee for the Scope of Work shall not exceed $45,000 and be billed according to the following fee schedule:

Schedule of Hourly Rates and Costs – 2024

TJC and Associates, Inc.

Labor

Engineer		CAD	
Level 20 (E20)	$348.00 / hour	Level 10 (C10)	$202.00 / hour
Level 19 (E19)	$335.00 / hour	Level 9 (C9)	$190.00 / hour
Level 18 (E18)	$323.00 / hour	Level 8 (C8)	$177.00 / hour
Level 17 (E17)	$310.00 / hour	Level 7 (C7)	$164.00 / hour
Level 16 (E16)	$297.00 / hour	Level 6 (C6)	$152.00 / hour
Level 15 (E15)	$284.00 / hour	Level 5 (C5)	$139.00 / hour
Level 14 (E14)	$271.00 / hour	Level 4 (C4)	$126.00 / hour
Level 13 (E13)	$259.00 / hour	Level 3 (C3)	$114.00 / hour
Level 12 (E12)	$246.00 / hour	Level 2 (C2)	$101.00 / hour
Level 11 (E11)	$233.00 / hour	Level 1 (C1)	$ 88.00 / hour
Level 10 (E10)	$220.00 / hour		
Level 9 (E9)	$207.00 / hour		
Level 8 (E8)	$195.00 / hour	**Administrative**	
Level 7 (E7)	$182.00 / hour	Level 15 (A15)	$163.00 / hour
Level 6 (E6)	$169.00 / hour	Level 14 (A14)	$153.00 / hour
Level 5 (E5)	$156.00 / hour	Level 13 (A13)	$142.00 / hour
Level 4 (E4)	$144.00 / hour	Level 12 (A12)	$132.00 / hour
Level 3 (E3)	$131.00 / hour	Level 11 (A11)	$121.00 / hour
Level 2 (E2)	$118.00 / hour	Level 10 (A10)	$111.00 / hour
Level 1 (E1)	$105.00 / hour	Level 9 (A9)	$100.00 / hour

Reimbursable Expenses

Auto Mileage	Standard set by IRS
Outside Services	Cost + 10%
Materials and Other Expenses	Cost + 10%

Notes

1. All hourly rates and costs are subject to change without notice.
2. Schedule shall be subject to adjustments annually to reflect current staff salaries and escalation.

Schedule of Hourly Rates and Costs – 2025

TJC and Associates, Inc.

Labor

Engineer		CAD	
Level 20 (E20)	$362.00 / hour	Level 10 (C10)	$210.00 / hour
Level 19 (E19)	$349.00 / hour	Level 9 (C9)	$197.00 / hour
Level 18 (E18)	$335.00 / hour	Level 8 (C8)	$184.00 / hour
Level 17 (E17)	$322.00 / hour	Level 7 (C7)	$171.00 / hour
Level 16 (E16)	$309.00 / hour	Level 6 (C6)	$158.00 / hour
Level 15 (E15)	$296.00 / hour	Level 5 (C5)	$145.00 / hour
Level 14 (E14)	$282.00 / hour	Level 4 (C4)	$131.00 / hour
Level 13 (E13)	$269.00 / hour	Level 3 (C3)	$118.00 / hour
Level 12 (E12)	$256.00 / hour	Level 2 (C2)	$105.00 / hour
Level 11 (E11)	$242.00 / hour	Level 1 (C1)	$ 92.00 / hour
Level 10 (E10)	$229.00 / hour		
Level 9 (E9)	$216.00 / hour		
Level 8 (E8)	$202.00 / hour	**Administrative**	
Level 7 (E7)	$189.00 / hour	Level 15 (A15)	$170.00 / hour
Level 6 (E6)	$176.00 / hour	Level 14 (A14)	$159.00 / hour
Level 5 (E5)	$163.00 / hour	Level 13 (A13)	$148.00 / hour
Level 4 (E4)	$149.00 / hour	Level 12 (A12)	$137.00 / hour
Level 3 (E3)	$136.00 / hour	Level 11 (A11)	$126.00 / hour
Level 2 (E2)	$123.00 / hour	Level 10 (A10)	$115.00 / hour
Level 1 (E1)	$109.00 / hour	Level 9 (A9)	$104.00 / hour

Reimbursable Expenses

Auto Mileage	Standard set by IRS
Outside Services	Cost + 10%
Materials and Other Expenses	Cost + 10%

Notes

1. All hourly rates and costs are subject to change without notice.
2. Schedule shall be subject to adjustments annually to reflect current staff salaries and escalation.

EXHIBIT D – INSURANCE REQUIREMENTS

I. Subgrantee shall provide evidence of valid and collectible insurance carried for those exposures indicated by an "X".

A. __X__ Professional Liability Errors & Omissions
B. __X__ Workers Compensation and Employers Liability
C. __X__ Automobile Liability - "Any Auto - Symbol 1"
D. __X__ Comprehensive General Liability, including Bodily Injury, Property Damage and Personal Injury
E. _____ Owners & Contractors Protective
F. _____ Protection & Indemnity (Marine/Aviation)

II. The minimum limit of protection provided by insurance policies for each of the coverages listed above shall be not less than $2,000,000. The procurement and maintenance by the Subgrantee of the policies required to be obtained and maintained by Subgrantee under this Agreement shall not relieve or satisfy Subgrantee's obligation to indemnify, defend and save harmless the District.

III. Evidence of insurance carried shall be Certificates of Insurance for the current policies. The District shall be listed as a certificate holder on the Subgrantee's Comprehensive General Liability insurance policy and the policy must be endorsed to provide a 60-day prior written notice of cancellation.

IV. The District requires that all Subgrantees carry a commercial liability policy written on a broad comprehensive general liability form.

A. Such protection is to include coverage for the following hazards, indicated by an "X":

1. __X__ Premises and Operations
2. __X__ Products and Completed Operations
3. _____ Explosion Collapse and Underground
4. __X__ Broad Form Blanket Contractual
5. __X__ Broad Form Property Damage
6. __X__ Personal Injury, A, B & C
7. __X__ Employees named as Persons Insured
8. __X__ Protective and/or Contingent Liability (O&CP)

B. The "Persons Insured" provision on each comprehensive general liability policy shall include as an insured the "Monterey Peninsula Water Management District, its officers, directors, agents and employees."

C. This policy shall contain a severability of interest clause or similar language to the following:

"The insurance afforded applies separately to each insured against whom claim is made or suit is brought including claims made or suits brought by any persons

included within the persons insured provision of the insurance against any other such person or organization."

D. All policies shall contain a provision that the insurance company shall give the District at least thirty (30) days prior written notice mailed to the address shown below prior to any cancellation, lapse or non-renewal. The 30-day written notice must be shown on all certificates of insurance.

E. Certificates of Insurance for the current policies shall be delivered by the Subgrantee to the Risk Manager for the District as verification that terms A, B, C and D have been met.

V. All insurance correspondence, certificates, binders, etc., shall be mailed to:

Monterey Peninsula Water Management District
Attn: Administrative Services Manager
5 Harris Court, Building G
P.O. Box 85
Monterey, CA 93942-0085

VI. All policies carried by the Subgrantee shall be primary coverage to any and all other policies that may be in force. The District shall not be responsible for payment of premiums due as a result of compliance with the terms and conditions of the insurance requirements.

VII. All such policies of insurance shall be issued by domestic United States insurance companies with general policy holders' rating of not less than "B" and admitted to do business in the State of California. The policies of insurance so carried shall be carried and maintained throughout the term of this Agreement.

EXHIBIT E – DRUG-FREE WORKPLACE CERTIFICATION

The District is committed to maintaining a work environment free from the influence of alcohol and drugs in keeping with the spirit and intent of the Drug-Free Workplace Acts of 1988 and l990. Illegal drugs in the workplace are a danger to all of us. They impair health, promote crime, lower productivity and quality, and undermine public confidence in the work we do. The use of any controlled substances is inconsistent with the behavior expected of our employees, contractors, and subcontractors. It subjects all employees, contractors, and subcontractors, as well as visitors to our facilities and work site, to unacceptable safety risks and undermines the District's ability to operate effectively and efficiently. In this connection, any location at which Monterey Peninsula Water Management District business is conducted, whether on District property or at any other site, is declared to be a drug-free workplace. This means that:

1. All employees, contractors, and subcontractors are absolutely prohibited from engaging in the unlawful manufacture, distribution, dispensation, possession, sale, or use of a controlled substance in the workplace or while engaged in District business off our premises. Violation of this policy by contractors or subcontractors could result in termination of the contract for their services.
2. Employees, contractors, and subcontractors have the right to know the dangers of drug abuse in the workplace, the Monterey Peninsula Water Management District's policy about it, and what help is available to combat drug problems.
3. Any employee, contractor, or subcontractor convicted of violating a criminal drug statute in this agency's workplace must inform the District of such conviction (including pleas of guilty and nolo contendere) within five (5) days of its occurrence. Failure to do so by a contractor or subcontractor could result in termination of the contract for their services. By law, the District will notify the federal contracting officer within ten (10) days of receiving any notice of such a conviction.

ALL CONTRACTORS AND SUBCONTRACTORS ARE ASKED TO ACKNOWLEDGE THAT THEY HAVE READ THE ABOVE POLICY AND AGREE TO ABIDE BY IT IN ALL RESPECTS. BY LAW, THIS ACKNOWLEDGEMENT AND AGREEMENT ARE REQUIRED OF YOU AS A CONDITION OF ENTERING INTO THIS AGREEMENT.

EXHIBIT 14-B

TJC and Associates, Inc.

Statement of Qualifications

2356 Gold Meadow Way, Suite 250 • Gold River, CA 95670-6329 • Phone [916] 853-9658

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TJC and Associates, Inc.

TJC and Associates, Inc. (TJCAA), a small business enterprise, provides structural, instrumentation, controls, and electrical engineering services throughout the Western United States. Founded by Terence Cavanagh, S.E. and Gianna Zappettini, J.D. in 1998 and joined by Paul Giorsetto, P.E. in 2006, TJCAA provides comprehensive, multi-disciplinary design services for water and wastewater utilities and municipalities. Focusing on the engineering needs of this core industry allows us to provide excellent service to our clients, who benefit directly from our exceptional depth of experience. TJCAA's engineering services include evaluation, planning, design, and retrofit/upgrade design of structures, facilities, infrastructure, and systems. Our experienced group of engineers and support staff is prepared to perform these services directly or as integral members of project teams.

Our structural project experience, which is highlighted in the following sections and detailed in our Experience Bank at the end of this Statement of Qualifications (SOQ), includes the following:

- Water Treatment Plant (WTP) Structures
- Wastewater Treatment Plant (WWTP) Structures
- Ozone Treatment Facilities
- Reservoirs and Storage Tanks
- Pump Stations
- Chemical Storage and Containment Facilities
- Operations Centers/Laboratories
- Office Buildings
- Manufacturing Industrial Facilities
- Retail Buildings
- Recreational Facilities
- Off-Shore Platforms
- Outfall Structures
- Power Generation Facilities
- Chemical Processing Facilities

As the former principal and design function leader for an international environmental engineering design firm in California's Bay Area during the 1980s and 1990s, Terence Cavanagh, S.E., has delivered creative design solutions for municipalities and commercial/industrial clients for many years. He provides expertise in the design of water and wastewater treatment plants and seismic evaluation of existing structures, as well as in the design of ozone treatment and chemical containment facilities.

Our instrumentation, controls, and electrical (ICE) project experience, which is summarized in this SOQ, includes these project types:

- Facility Electrical and Industrial Applications
- Medium- and Low-Voltage Distribution
- System Modeling, Analysis, and Utility Coordination
- Control System Master Planning
- Water and Wastewater Instrumentation and Control System Designs
- Remote Telemetry and SCADA
- Standby and Emergency Power Facilities
- Project Management and Alternative Delivery Methods

Paul Giorsetto, P.E., Principal, is registered in both Control Systems and Electrical Engineering and brings a wealth of experience in these design disciplines, as well as in project management, from his previous position as the regional engineering services manager and discipline leader for an international environmental engineering design firm.

TJCAA offers a responsive, flexible, multi-disciplinary design team with a proven record of excellence and of meeting our clients' needs. TJCAA operates from fully equipped and staffed design offices with the technological infrastructure necessary to perform seamlessly within a design team or as specialists providing specific expertise. Our staff can provide services either on site or as part of a distributed design group. We have consistently demonstrated our ability to develop solutions and approaches that match the needs, style, and requirements of our clients.

Water/Wastewater Treatment Facilities

TJCAA has extensive and varied experience in providing design and seismic analysis for water and wastewater treatment facilities. Our proven ability to work hard and meet schedule, along with our understanding of treatment processes, allows us to integrate smoothly with plant design teams to achieve maximum functionality and good structural fit. We have applied standard and innovative approaches to address a variety of design challenges for both small plants and facilities with capacities in excess of 100 million gallons per day (mgd).

Our recent plant design experience includes these projects:

- Santa Clara Valley Water District – Rinconada WTP Reliability Improvement Project
- Ironhouse Sanitary District – WWTP Expansion
- City of Brentwood – Surface Water Treatment Facility, Phase I
- Pajaro Valley Water Management Agency – Supplemental Wells
- Orange County Water District – Groundwater Replenishment System
- City of Folsom – Drinking Water Improvement Project (WTP Expansion)
- City of Brentwood – WWTP
- Delta Diablo – Recycled Water Facility
- Alameda County Water District – WTP #2
- Calleguas Water District – WTP
- Seattle Public Utilities – Tolt Water Filtration Plant

- Marin Municipal Water District – WTP Upgrades
- San Francisco Water District – San Andreas WTP Expansion, Phases 1 and 2
- City of Pittsburg – WTP Expansion
- City of Santa Cruz – WTP Improvements

In addition to the design of conventional water and wastewater facilities, TJCAA's experience includes the design of various support structures, including the plant operations center for Delta Diablo. This plant operations center included a two-story, 28,000-square-foot (sq. ft.), steel frame office building and a 12,000–sq. ft., tilt-up concrete shop and warehouse structure. As part of the South Truckee Meadows Water Treatment Facility design in Reno, Nevada, TJCAA designed single-story masonry block buildings: a 6,700–sq. ft. operations building and a 2,250-sq. ft. maintenance shop.

Ozone Treatment Facility Design

TJCAA personnel have also been involved in the design of ozone treatment facilities with combined capacities of over 1,500 mgd. This experience gives us a detailed working knowledge of the construction factors that are critical to the successful completion of an ozone treatment facility, including:

- Concrete mix design
- Forming systems
- Jointing
- Construction materials
- Coating systems

Our engineers' experience includes the structural design of the 120-mgd Tolt Water Filtration Plant in Seattle, WA. This Design-Build-Operate (DBO) project featured ozone, clearwell, flocculation and filtration basins, and chemical storage and operations facilities. Our ozone treatment facilities design experience also includes:

- Preliminary design for the Santa Clara Valley Water District Water Quality Regulation Compliance Project, Santa Teresa, Penitencia, and Rinconada WTPs, with a combined capacity of 210 mgd.
- Design for a new ozone generation building as part of the Reliability Improvement Project at Santa Clara Water District's Rinconada WTP.
- Design upgrades for Contra Costa Water District's Bollman WTP.
- Design of facilities for Alameda County Water District's new 30-mgd WTP #2.

Reservoirs and Pump Stations

TJCAA's services for reservoirs and pump stations include the following:

- Design of technically feasible, cost effective configurations
- Materials/life cycle analysis
- Alternatives analysis
- Seismic evaluation and retrofit design

TJCAA has evaluated, designed, and/or retrofitted numerous reservoirs and pump stations for clients throughout the western United States. We have designed cast-in-place concrete, prestressed, and welded steel reservoirs. Our reservoir design services are enhanced through our communications with tank manufacturers, which allow us to anticipate and address feasibility and construction issues.

Our experience includes design of the Zoe Pump Station structure as part of the Alameda Corridor project in Los Angeles. This 50-foot-deep concrete wetwell, with a masonry building, is not only subject to a high groundwater level, but also is in a residential area, a factor that necessitated specialized construction to limit impacts on adjoining neighbors. Our other project experience in this area includes the following:

- Cucamonga Valley Water District – 1630 East Recycled Water Pump Station
- Ironhouse Sanitary District – Ironhouse WWTP Expansion Project including UV/Effluent pump station
- Delta Diablo – Bridgehead Pump Station and Emergency Storage Basin
- City of Pleasanton – Vineyard Avenue Pump Station
- Dublin San Ramon Services District – Dougherty Valley Reservoir 200B
- Vallejo Sanitation and Flood Control District – Austin Creek Pump Station

- City of San Bruno – Cunningham Water Tank No. 1 and Glenview Water Tank No. 3 Structural Assessment
- City of Pacific Grove – Reconstruction of Wastewater Pump Station 12
- Sacramento County Airport System – Domestic Water Connection and Distribution System Piping Project
- Delta Diablo – Pittsburg 1 million gallon (MG) welded steel recycled water storage tank
- City of Pleasanton – McCloud Water Tank Assessment
- City of Burlingame – Donnelly welded steel tanks assessment and coating design

- Monte Vista Water District – Aquifer Storage and Recovery, Well No. 30
- Dublin San Ramon Service District – Northern Dougherty Valley Zone 3 Potable Water Facilities Reservoir 300B and Pump Station 300C
- City of Livermore – Zone 1 Water System Improvements, Phase I
- Central Sanitation District – Lower Orinda Pump Station
- City of San Jose Environmental Services – South Bay Water Recycling Pump Stations 5 and 8/11
- City of Folsom, Drinking Water Improvement Project – design included prestressed concrete chlorine contact basin
- Vallejo Sanitation and Flood Control District – Pump station renovation/upgrade
- Central Contra Costa Sanitary District – Pump station renovation/upgrade

- Vopak Jet Fuel Storage Facility – Seismic Assessment of welded steel tank
- City of Brentwood – Brentwood WWTP
- Delta Diablo – Recycled Water facility (design of main plant basins)
- Pittsburg – WTP reservoir (5 MG and 1 MG prestressed concrete)
- Calleguas Water District – Storage reservoir (5 MG)
- Vallecitos Water District – Technical review of two storage reservoir designs (33 MG)
- City of Redlands – Prestressed concrete water storage reservoir (3.9 MG)
- City of Benicia – Reservoir Upgrade (2.3 MG)
- City of Corona – Water storage reservoir (4.7 MG)
- Seismic evaluation for the Environmental Impact Assessment of 10 welded steel reservoirs to store 211 MG of petroleum products for the Chinese Petroleum Corporation.

Chemical Storage Facilities

TJCAA's chemical storage facilities services include structural design as well as coating system option identification. Our experience in providing these services enables us to analyze facility configurations and identify critical issues early in the design process. Critical issues associated with chemical storage facilities may include the following:

- Coating systems
- Material selection
- Drainage requirements
- Equipment anchorage
- Access requirements

We will work with your process engineers to develop a design that addresses these critical issues and to select a layout that meets both your chemical and structural needs. Our attention to detail will increase functionality and safety over the life of the structure. Examples of our chemical storage and containment facilities designs include the following:

- Ironhouse Sanitary District, Ironhouse WWTP Expansion Project – Chemical building
- City of Folsom, Drinking Water Improvement Project – Design included building for pretreatment chemical feeding
- Hill Brothers Chemical Company – Containment area
- Delta Diablo – Sodium bisulfate storage area
- Santa Teresa WTP – Sodium bisulfate storage area
- Rinconada WTP – Sodium hypochlorite storage facility
- Penitencia WTP – Sodium hypochlorite storage facility
- Contra Costa Water District – Storage containment facilities at the Bollman WTP
- Palo Alto Regional Water Quality Control Plant – Containment areas for sodium hypochlorite and sodium bisulfite tanks

Our attention to detail will increase functionality and safety over the life of the structure.

Seismic Evaluation and Mitigation

TJCAA is a highly qualified and experienced seismic evaluation and mitigation service provider. Our staff has completed numerous seismic evaluation projects in and around the Bay Area. We have a detailed understanding of the active earthquake faults in the area and we know their significance for each project site. Our seismic evaluation activities include the following:

- Analysis of existing structures
- Determination of the design level earthquake
- Evaluation of construction materials and methods
- Determination of appropriate lateral forces applied to structures

TJCAA provides value-added seismic evaluation services by incorporating the specific actual design level earthquake for a structure and assigning the appropriate lateral force, rather than using standard "code" level forces. Our seismic evaluation experience covers a variety of structure types and materials, subject to a wide range of lateral force intensities. This range of experience provides us with the ability to identify and address a structure's unique needs. TJCAA has provided structural and seismic evaluation for numerous projects, including the following:

- The Cunningham Water Tank No. 1, built in 1964, a 2-MG, welded carbon steel tank; and the Glenview Water Tank No. 3, built in 1950, a 2-MG, prestressed concrete tank in San Bruno, CA.
- Sunnyvale WWTP Advanced Floatation Tank, Sunnyvale, CA
- Lower Orinda Pump Station, Orinda, CA
- *Austin Creek Pump Station, Vallejo, California, a* 1956 cast-in-place concrete pump station
- Olympic City Club Renovation, San Francisco, CA (seismic evaluation and design)
- San Francisco Friends School, San Francisco, CA (seismic evaluation and design)
- North Point Wet Weather Facility, San Francisco, CA
- Ito Cariani Sausage Company, Hayward, CA
- McCloud Water Tank, built in 1953, a prestressed concrete tank
- Praxair Distribution Centre, Pittsburg, CA
- Vopak Jet Fuel Storage Facility, Wilmington, CA
- Existing structures with construction dates ranging from 1900-1960 for a commercial client in San Jose, CA
- Chemical containment facilities for a manufacturer in San Jose, CA
- WWTP on seismically active area for the Alameda County Water District (Seismic evaluation and design)
- Large diameter RCP pipeline for Calleguas Water District, CA (Structural evaluation of alternatives for crossing an active fault)

TJCAA provides value-added seismic evaluation services by incorporating the specific actual design level earthquake for a structure and assigning the appropriate lateral force, rather than using standard "code" level forces.

- Fire Station for Ramona, CA
- Existing structures at the City of Buena Ventura WTP
- Circa 1920 terra cotta structure in Walnut Creek, CA
- Devil Canyon WTP in San Bernardino, on a site divided by the San Andreas Fault (Seismic evaluation and design)

Buildings and Structures

TJCAA's structural engineering services for office buildings include both design and the evaluation and selection of building systems and materials. Our experience demonstrates our capability to provide structural designs that coordinate with our clients' functional and aesthetic needs. We work with project architects to confirm that the structure is compatible with the architectural scheme and that it supports any special building features.

TJCAA personnel have provided these structural engineering services for the design and evaluation of office buildings and other structures throughout the Bay Area and California. We are familiar with all primary construction materials, including steel, wood, masonry and concrete. Our project experience includes the following:

- Concrete building 26 feet below grade and 1,720–sq. ft. masonry block building for Delta Diablo – Bridgehead Pump Station
- Analysis and structural design of temporary bridges to carry construction equipment for the Arroyo Seco Canyon Project.
- Single-story masonry block buildings: 6,700–sq. ft. operations building and 2,250–sq. ft. maintenance shop as part of the South Truckee Meadows Water Treatment Facility design in Reno, NV
- Monte Vista Water District, Montclair – Aquifer Storage and Recovery, Well No. 30
- Sacramento Regional County Sanitation District – Sacramento Regional WWTP; 2E/2F Substation Replacement Project
- Single-story, plant operations center as part of the Brentwood WWTP Expansion
- Manager's Office/Residence and multiple storage units for ABBA Self Storage, Concord
- Two-story, 40,000–sq. ft. plant operations center for Delta Diablo
- Two-story, 30,000–sq. ft. medical office building
- Two-story recreation facility for the City of Burlingame

- Structural framing system for architectural siding on a 17-story office building in Hawaii
- Three-story control building and two-story compressor building for the Hyperion WWTP in Los Angeles
- Foundation for Emergency Generators – Contra Costa Water District
- Six-story, 165,000–sq. ft. community college building for the Peralta Community College District
- Two-story, 35,000–sq. ft., steel-framed Science and Technology Center for the Dominican University of California
- Two-story, steel-framed Simulation Center building for the California Maritime Academy

- Five new one-story, wood-framed buildings with wood shear walls and concrete spread footings: a Town Hall, Community Hall, Library, Maintenance Building, and Restroom Building for the Portola Valley Town Center
- Seismic evaluation and upgrades to existing structures, including: Target department stores; cold storage facilities; electronic facilities; an 85,000–sq. ft., three-story timber school building; and a ten-story, concrete building

Power Generation Facilities

TJCAA personnel have experience in the implementation of federally mandated regulations for nuclear power plants, including seismic two-over-one evaluations, evaluation of potential explosion-generated missile impacts, and implementation of the structural requirements of 10 CFR 50.65 (the maintenance rule).

TJCAA has assisted in the implementation of the structural aspects of 10 CFR 50.65 at several nuclear power plants:

- Pacific Gas and Electric's Diablo Canyon Power Plant, CA
- Nebraska Public Power District's Cooper Nuclear Station, NE
- New York Power Authorities' Indian Point Three, NY
- Texas Utility Electric's Comanche Peak Steam Electric Station, TX
- Entergy's Indian Point Two, NY
- Philadelphia Electric Company's Peachbottom Facility, PA

Seismic two-over-one piping evaluations:

- Nebraska Public Power District's Cooper Nuclear Station, NE
- Texas Utility Electric's Comanche Peak Steam Electric Station, TX

Explosion-generated projectile impact analysis:

- Portland Gas and Electric's Trojan Nuclear Facility, OR

Design of structures for power generation units associated with Water and Wastewater Treatment Facilities:

- Cal Water Services Company, RPVD PV-37 Energy Recovery Project, Rancho Palos Verdes, CA.
- Contra Costa Water District’s Bisso Operations and Maintenance/Administration Buildings Emergency Generator Project, Concord, CA
- Dublin San Ramon Services District’s Cogeneration Electrical Improvements Project, Pleasanton, CA

Facility Electrical and Industrial Applications

TJCAA's electrical design services build upon our extensive experience in facility and industrial applications, encompassing electrical power distribution; industrial motor control, with emphasis in the application of variable speed drives; lighting and energy efficient lighting control; fire alarms; communications; and data communications. Working across all disciplines, our staff supports the entire project's electrical power and application needs. Our proactive approach focuses our efforts on avoiding design problems, rather than on fixing them once they occur.

We have provided electrical facility designs for numerous West Coast projects.

- Santa Clara Valley Water District, Rinconada WTP Reliability Improvement Project: Electrical and I&C design for a $180 million plant upgrade.
- Santa Clara Valley Water District, Pacheco Pump Station Adjustable Speed Drive Replacement: Designed replacement of twelve existing adjustable speed drives with newer technology drives, to operate existing 2,000-horsepower (hp) medium-voltage wound-rotor motors. Project work also included a SCADA system upgrade.
- Cucamonga Valley Water District, 1C, 2C, and 1630 Pump Stations: Pump station designs, including 480-V power distribution systems.
- Dublin San Ramon Services District, Cogeneration Electrical Improvements Project, including expansion of a WWTP electrical distribution and cogeneration facility.
- City of Malibu, Malibu Legacy Park Project: Electrical design services for a multi-benefit facility.
- Dublin San Ramon Services District, Zone 2 and 3 Pump Station Renovations: Design and construction services for electrical and mechanical renovations at four drinking water distribution pump stations.
- City of Calistoga, Kimball WTP Improvements: Detailed electrical design of a pressure filter-based treatment facility for the City's main WTP.

- City of Salem, Oregon, River Road Wet Weather Treatment Facility: Design for new high rate clarification and ultraviolet disinfection.
- Inland Empire Utilities Agency, Phase 2 Chino Basin Facilities Improvement Project: Predesign and design related to improvements at groundwater replenishment basins and water supply turnouts, conforming to MWD technical requirements and standards.
- Contra Costa Water District, Bisso O&M/Administration Buildings Emergency Generator Project: Design of a standby generator retrofit.
- City of Santa Cruz, Graham Hill WTP Electrical Improvements: Electrical design of upgrades to support process improvements.

- Orange County Water District, Groundwater Replenishment System: Instrumentation & Control (I&C) and Electrical designs for ultimate 130-mgd water reclamation project.
- Metropolitan Water District, Skinner Oxidation Retrofit Program: Discipline task leader for ICE design elements on the extensive retrofit to MWD's 630-mgd Skinner WTP.
- City of Mountain View, Crittenden (stormwater) Pump Station, Sewage Pump Station, and Whisman (drinking water) Pump Station: Electrical and instrumentation design.
- City of Folsom, Folsom WTP Expansion: Electrical design of multiple phases of expansion for the existing WTP.
- United Water of Idaho, Columbia WTP: Design/build electrical and I&C design of ultrafiltration membrane treatment process.
- Contra Costa Water District, Treated Water Generators and Seismic Valves Project: Lead electrical engineer to add engine generators and seismic shutoff valves at treated water pump stations and reservoirs.
- Alameda County Water District, Brackish Water Treatment Facility: Electrical engineering for a major reverse osmosis desalination project.
- City of Santa Fe, New Mexico, Transfer Station: Electrical facility design for new solid waste transfer station.

Medium- and Low-Voltage Distribution

Medium- and low-voltage distribution represents the electrical backbone of a facility. Distribution of this nature typically features concrete-encased duct banks, substations, and transformers, and incorporates other infrastructure systems, such as communications, fiber optic cables, and other specialized systems. TJCAA's electrical engineering staff has 25 years of experience in distribution designs and infrastructure improvements. Services include: needs evaluation, design, expansion, site coordination, and utility coordination for distribution elements and facilities.

Our experience includes the following:

- Santa Clara Valley Water District, Rinconada WTP Reliability Improvement Project: Electrical and I&C design for a $180 million plant upgrade, including 12-kV distribution.
- Santa Clara Valley Water District, Pacheco Pump Station Adjustable Speed Drive Replacement: Designed replacement of twelve existing adjustable speed drives with newer technology drives, to operate existing 2,000-hp medium-voltage wound-rotor motors. Project work also included a SCADA system upgrade.
- Cucamonga Valley Water District, 1C, 2C, and 1630 Pump Stations: Pump station designs, including 480-V power distribution systems ranging from 2,000-A to 3,000-A services with motor sizes of 100 hp to 400 hp.
- Dublin San Ramon Services District, Cogeneration Electrical Improvements Project, including expansion of a WWTP electrical distribution and cogeneration facility.
- Contra Costa Water District, Bisso O&M/Administration Buildings Emergency Generator Project: Design of a standby generator retrofit.
- Inland Empire Utilities Agency, 1630 East Recycled Water Pipeline Segment A Project: Design services for power, instrumentation, and SCADA work at the San Sevaine and Victoria Basin Turnouts.
- City of Santa Cruz, Graham Hill WTP Electrical Improvements: Electrical design of upgrades to support process improvements.
- City of Malibu, Malibu Legacy Park Project: Electrical design services for a multi-benefit facility.
- Dublin San Ramon Services District, Zone 2 and 3 Pump Station Renovations: Design and construction services for electrical and mechanical renovations at four drinking water distribution pump stations.

- Inland Empire Utilities Agency, Phase 2 Chino Basin Facilities Improvement Project: Predesign and design related to improvements at groundwater replenishment basins and water supply turnouts.

- Metropolitan Water District, Skinner Oxidation Retrofit Program: Discipline task leader for the electrical and I&C design elements.
- City of Calistoga, Kimball WTP Improvements: Detailed electrical design of a pressure filter-based treatment facility for the City's main WTP.
- Orange County Water District, Groundwater Replenishment System: Modular design scheme with an ultimate buildout to 130 mgd.
- Contra Costa Water District, Bollman WTP Surface Water Quality (SWQ) Project: Plant upgrade to the 75-mgd surface WTP.
- Contra Costa Water District, Bollman Emergency Generator Design/Build Project and 5-kV Master Plan: Design/build contract to install two new 2-MW, trailer-mounted engine-generator sets.
- Contra Costa Water District – 5-kV Electrical System Upgrade Phases 1 and 2: Bollman plant 5-kV distribution renovation project.
- Seattle Public Utilities, Tolt WTP: Design/build of a grassroots 120-mgd treatment plant.
- Sultanate of Oman, Salalah WWTP: Lead electrical design for a new WWTP.
- National Park Service, Yosemite National Park Electrical Distribution Upgrade: Rehabilitation of the electrical distribution system.
- Alameda County Water District, Brackish Water Treatment Facility: New reverse osmosis desalination project.
- East Bay Municipal Utilities District, Walnut Creek WTP Upgrades: Electrical design services for major upgrades and capacity expansion.
- City San Buenaventura Wastewater Reclamation Facility (WWRF) Upgrades Project: Upgrades at the reclamation facility.
- Department of Defense, March Air Force Base Electrical Distribution Upgrades: Rehab and reconfiguration of the Base's overhead 12-kV electrical system under a design/build structure.

Modeling, Analysis, and Utility Coordination

TJCAA is a highly qualified firm in electrical system modeling, analysis, and evaluation. We also have extensive expertise in working directly with electric power utilities for coordinating new or upgraded service to facilities.

Our analytical and evaluation experience includes the spectrum of electrical analyses. Our experience ranges from performing routine load, wire size, and short circuit evaluations to utilizing sophisticated computer modeling tools and analyzing energy life cycle costs. Our specific experience in modeling and evaluating electrical systems includes the following:

- Electrical load flow studies
- Voltage drop verification
- Load studies
- Short circuit evaluations
- Electrical harmonic analyses
- Transient analyses
- Standby generator sizing
- Duct bank heating capacity calculations
- Title 24 lighting and energy evaluations
- Life Cycle energy cost analyses
- Utility rate studies
- Photovoltaic and alternative energy analyses

The ability to perform these analyses in house enables us to provide true value-added services to our clients by incorporating the electrical analysis results into the overall economics of the project. Examples of these critical economics include life cycle costs, utility energy and product rebates, regulatory rebates, efficiency, voltage selection, and utility rate analysis. Below are some examples of our experience in these areas.

- Metropolitan Water District, Skinner Oxidation Retrofit Program: Modeling and calculations of load flows, short circuit, duct bank heating calculations, generator sizing, voltage drop, and transient analysis.
- Dublin San Ramon Services District, Cogeneration Electrical Improvements Project: Coordination of facility improvements for power export capability to PG&E, new networked engine-generator controls, and upgrades to several 480-V and 21-kV switchgear.
- City of Malibu, Malibu Legacy Park Project: Electrical design services for a multi-benefit facility. Included analysis of existing loads at the Storm Water Treatment Facility to confirm available power in lieu of setting up a new utility service.
- Cucamonga Valley Water District, 1630 East Recycled Water Pump Station: Coordinated new electrical service and provided multi-discipline design services.
- Inland Empire Utilities Agency, Phase 2 Chino Basin Facilities Improvement Project: Predesign and design of improvements at groundwater replenishment basins and water supply turnouts, conforming to MWD technical requirements and standards.

- Dublin San Ramon Services District, Zone 2 and 3 Pump Station Renovations: Design and construction services for electrical and mechanical renovations at four drinking water distribution pump stations.
- Inland Empire Utilities Agency, 1630 East Recycled Water Pipeline Segment A Project: Coordinated new Southern California Edison service at the San Sevaine Basin site.
- Orange County Water District, Groundwater Replenishment System: Comprehensive electrical system modeling including load flow, short circuit, coordination, and harmonic analysis. Performed extensive cost analysis of the system during the early design phases.
- Contra Costa Water District, Bollman WTP SWQ Project: Plant upgrade to a 75-mgd surface WTP. Improvements to double end the existing 115-kV/4.16-kV substation, including assisting the District in the acquisition of the PG&E substation.
- Contra Costa Water District, Bollman Emergency Generator Design/Build Project and 5-kV Master Plan: Project Manager on a design/build contract to install two new 2-MW, trailer-mounted, engine-generator sets.

- Contra Costa Water District – 5-kV Electrical System Upgrade Phase 1: Project Manager for the Bollman plant 5-kV distribution renovation project, including system modeling to the 480-V level.
- Sultanate of Oman, Salalah WWTP: Lead electrical design engineer for a new wastewater treatment facility. Required coordination for electrical service to the site with the Salalah Municipality.
- National Park Service, Yosemite National Park Electrical Distribution Upgrade: Modeling and selection of voltage levels, demand analysis, conductor material, and economic analyses.
- Alameda County Water District, Brackish Water Treatment Facility: Electrical analyses for load evaluations, voltage level payback analysis, short circuit, and voltage drop.
- East Bay Municipal Utilities District, Walnut Creek WTP Upgrades: Studies included generator sizing evaluations, load flows, short circuit, and reliability analyses.
- City San Buenaventura WWRF Upgrades project: System modeling included voltage drop, load flow, and short circuit analyses for the existing and new project work.
- City of Santa Cruz, Graham Hill WTP Expansion Power Study: Development of planning level report, including power analyses for process improvements at the facility.
- Coastside Water District Electrical System Study: Conceptual level power study and analysis for supporting planned process improvements.
- Metropolitan Water District, Diemer WTP Electrical Reliability Study: System analysis and report to evaluate the electrical reliability of the existing electrical system.

Control System Master Planning

TJCAA offers extensive support for planning level services in Control System applications. As documented in this Statement of Qualifications, TJCAA's experience includes detailed design with a wide variety of open and proprietary systems, software, and components. In the dynamic market of solid state controls, this ability to separate proven technologies from the "bleeding edge" adds value to any project planning process.

TJCAA's philosophy in control system master planning is to listen to and evaluate the needs of the client and provide solutions that are a fit with the staffing capabilities, budgets, and real data needs of all stakeholders. Further, with product life cycles measured in years, not decades, control system master planning must incorporate the need for periodic, fundamental changes to the control platform hardware and software with a minimum of impacts to the overall system infrastructure.

Our experience includes the following:

- Control components: remote telemetry units (RTU), programmable logic controllers (PLC), and distributed control systems (DCUs)
- Field level controllers and instrumentation fieldbuses (Foundation, Profibus, DeviceNet, etc.)
- Workstations and computer facility layouts
- Control system media (fiber, copper, wireless)
- Interface and data models to support asset management and information technology

Our project experience includes the following:

- Alameda County Water District, Treatment Plant 2 PLC Upgrade Project: Services for an upgrade of PLCs that control all processes in a 21-mgd WTP, including programming, bench testing, equipment commissioning, operational readiness testing, and functional acceptance testing.
- Union Sanitary District, Supervisory Control and Data Acquisition (SCADA) System Master Plan and Standards Development: SCADA Master Planning including reconnaissance, interviews with staff, development of potential projects (including costs), review and selection of projects, and projection of annual budget impacts.
- City of Folsom, WTP Control System Upgrade Design/Build: Control system upgrade performed under a design/build agreement.
- City of San Mateo, Wastewater Plant SCADA System Conceptual Master Plan: Master Plan providing a blueprint for development and phased implementation of in-plant SCADA.

- City of San Bernardino, Vulnerability Assessment: Security vulnerability assessment for the City's SCADA and telemetry system.
- Santa Ana Watershed Project Authority, Telemetry Master Plan: Site inventories, technology review, and needs assessments.
- Mercer Island, Washington: Telemetry system strategic plan for the City's water and wastewater utilities.
- City of San Buenaventura WWRF, Control System Master Plan: Control system master plan consistent with the plant's existing system and long-term goals.

Water/Wastewater I&C System Designs

The TJCAA design staff has provided I&C designs for numerous facilities throughout the United States. Our experience includes production of detailed design documents (plans and specifications) for control systems based on industry and client-specific standards. Our services include the development of client standards for both project-wide and service-wide applications.

Our services include preparation of piping and instrumentation diagrams (P&IDs); application and selection of suitable instrumentation sensor technologies and wetted materials; development of comprehensive equipment and instrument tagging schemas, control system architectures and control component layouts; and implementation and execution of control system planning and standards.

TJCAA's experience includes several projects utilizing smart P&ID design tools resulting in project databases that are a dynamic element. Such databases are a foundation for the development of asset management tools for CMOM, GASB 34, and similar regulatory requirements. Our experience includes the following projects:

- Alameda County Water District, Treatment Plant 2 PLC Upgrade Project: Services for an upgrade of PLCs that control all processes in a 21-mgd WTP, including programming, bench testing, equipment commissioning, operational readiness testing, and functional acceptance testing.
- Santa Clara Valley Water District, Rinconada WTP Reliability Improvement Project: I&C design for a $180 million plant upgrade incorporating a new distributed PLC architecture coordinated with construction phasing and new processes.
- City of Santa Cruz, Graham Hill WTP Control System Upgrade: Project Manager for the design/build upgrade, including vendor selection, system design, panel fabrication, coordination of subcontractors, installation, start-up, testing, training, and follow-up/warranty tasks.
- Cucamonga Valley Water District, 1C, 2C, and 1630 Pump Stations: Pump station designs, including District-wide tagging scheme, P&ID standards, and prep of the first P&IDs.
- Santa Clara Valley Water District, Pacheco Pump Station Adjustable Speed Drive Replacement: SCADA system upgrade, accompanying design for replacement of twelve existing adjustable speed drives with newer technology drives, to operate existing 2,000-hp medium-voltage wound-rotor motors.

- Dublin San Ramon Services District, Zone 2 and 3 Pump Station Renovations: Design and construction services for electrical and mechanical renovations at four drinking water distribution pump stations.
- City of Sunnyvale, Water Pollution Control Plant Digester 1 and 2 and Fats, Oils, and Grease (FOG) Facility: Provided the I&C system design for rehabilitation of two existing digesters and a new FOG disposal facility at the City of Sunnyvale's WWTP.

Work included replacement of the existing OPTO 22-based control platform over to an existing Allen-Bradley based ControlLogix PLC.

- Orange County Water District, Groundwater Replenishment System: I&C design and operational features, including development of I&C design standards, smart P&IDs, fieldbus instrument technologies (Foundation Fieldbus and DeviceNet), and asset management tools.
- City of San Diego, Miramar WTP Expansion: I&C Task Leader for the plant expansion, with associated instrumentation and distributed control PLC configured in a redundant, hot-standby arrangement.
- Metropolitan Water District, Skinner Oxidation Retrofit Program: Discipline task leader for the electrical and I&C design elements on the retrofit of the 630-mgd WTP. Project included development of I&C design criteria, instrumentation, expansion of the existing DCS, and a new fiber optic communication backbone.
- City of Calistoga, Kimball WTP Improvements: Design of a pressure filter-based treatment facility for a WTP, including expansion of existing motor control systems, integration to the existing control system, and addition of multiple water quality monitoring instrumentation onto a centralized water quality monitoring panel.
- United Water of Idaho, Columbia WTP: Design/build electrical and I&C design of ultrafiltration membrane treatment process.
- Glendale Remediation Project: Design and construction of electrical and I&C project elements, including remote telemetry to off-site wells, interlocks to central treatment facility, programmable logic-based controls and instrumentation for liquid and vapor stripping technologies.
- Contra Costa Water District, Bollman WTP SWQ Project: Plant upgrade including smart P&IDs and a new DCS to replace the plant's original, relay-based control panel system.
- Seattle Public Utilities, Tolt WTP: Design/build of a grassroots 120-mgd treatment plant that included a distributed control approach, distributed sets of hot standby, redundant PLCs.
- City San Buenaventura WWRF Upgrades project: Lead electrical and I&C engineer for upgrades at the reclamation facility. The upgrade included a distributed PLC scheme consistent with existing City standards and master plans.
- City of San Francisco, WTP Design/Build Control System Upgrade: Major control system upgrades at the Harry Tracy WTP and Sunol WTP, which supply drinking water to the City of San Francisco. Project included new PLCs, computer workstations, and networking.
- City of Salem, Oregon, River Road Wet Weather Treatment Facility: New high rate clarification and ultraviolet disinfection; associated process instrumentation, smart P&IDs, and extensive interface work to allow installation of owner furnished DCS equipment.
- San Jose Water Company, Montevina WTP, Electrical Upgrades: Installation of upgraded PLC system configured in a remote input/output architecture to minimize new wiring complications.
- City of Livermore, Altamont Pump Station and Reservoir Improvements: Electrical and I&C design for rehabilitation of existing pump station to increase capacity and replace aging equipment.

Remote Telemetry and SCADA

TJCAA's services also include development of remote telemetry and SCADA systems. SCADA systems provide centralized monitoring and/or control within a plant or more widely dispersed sites, such as pump stations, reservoirs, booster stations, or pressure zones. In SCADA systems, data is transmitted via telemetry from individual sites to the centralized location.

The TJCAA design staff has extensive experience in SCADA and telemetry applications utilizing a variety of media, including licensed radio, spread spectrum radio, packet switching, other wireless (e.g., IEEE 802.11 wireless Ethernet), Cellular Data Packet Data, "plain-old-telephone," private wire, and fiber optics. Our design experience also includes applications of various system architectures and topologies, such as peer-to-peer, distributed control, store and forward, polling, and ring.

TJCAA's designers understand that there is no single approach that fits all SCADA applications. The job of the designer is to develop an approach that is a best fit with client technical sophistication, maintenance capability, data volume, control requirements, reliability, and required quality of data. Specific recent SCADA and telemetry projects include the following:

- Union Sanitary District, SCADA System Master Plan and Standards Development: SCADA Master Planning including reconnaissance, interviews with staff, development of potential projects (including costs), review and selection of projects, and projection of annual budget impacts.
- Alameda County Water District, Treatment Plant 2 PLC Upgrade Project: Services for an upgrade of PLCs that control all processes in a 21-mgd WTP, including programming, bench testing, equipment commissioning, operational readiness testing, and functional acceptance testing.
- Cucamonga Valley Water District, 1C, 2C, and 1630 Pump Stations: Pump station designs, including SCADA system design with Allen Bradley, MicroLogix systems with Ethernet radio communications to the District's central station.
- Contra Costa Water District, Bollman WTP SWQ Project: Plant upgrade for 75-mgd surface WTP, including a new DCS.
- Glendale Remediation Project: Multi-well and groundwater treatment facility. I&C elements including remote telemetry to off-site wells, interlocks to central treatment facility, programmable logic-based controls and instrumentation for liquid and vapor stripping technologies.
- Inland Empire Utilities Agency, Phase 2 Chino Basin Facilities Improvement Project. Design related to improvements at groundwater replenishment basins and water supply turnouts, including new electrical services, new SCADA sites, local "short haul" telemetry solar powered sub-networks, additional level and flow monitoring, and flow control gate structures.
- Dublin San Ramon Services District, Zone 2 and 3 Pump Station Renovations: Design and construction services for electrical and mechanical renovations at four drinking

water distribution pump stations, included interfacing to the District's existing radio-based SCADA system.

- Orange County Water District, Groundwater Replenishment System: Design task leader for I&C and Electrical disciplines for an ultimate buildout to 130 mgd. Project included smart P&IDs, fieldbus instrument technologies (Foundation Fieldbus and DeviceNet), asset management tools, and fiber optic links to off-site wells.
- Inland Empire Utilities Agency, 1630 East Recycled Water Pipeline Segment A Project: Included RTUs for flow monitoring and control of flow to recharge basins for groundwater aquifer replenishment.
- City of Mountain View, Turnouts Controls Design/Build: Project management for design/build project that included controls and SCADA interfaces for water purveyors' turnouts.
- City of Folsom, WTP Control System Upgrade Design/Build: Control system upgrade performed under a design/build agreement.
- United Water of Idaho, Columbia WTP: Design/build electrical and I&C design of ultrafiltration membrane treatment process.
- Seattle Public Utilities, Tolt WTP: Design/build of a grassroots 120-mgd treatment plant. A distributed control approach was used with distributed sets of hot standby, redundant PLCs.
- Delta Diablo, Discovery Bay Telemetry System: Radio-based telemetry system included design, replacement of RTUs, installation of central computers, system programming, and integration.
- City of San Francisco, WTP Design/Build Control System Upgrade: Design/build SCADA system modification project featuring extensive SCADA system and telemetry upgrades at the Harry Tracy WTP and Sunol WTP.
- City San Buenaventura WWRF Upgrades project: Lead electrical and I&C engineer for upgrades at the reclamation facility, including plant wide SCADA.
- City of Santa Cruz, Graham Hill WTP Control System Upgrade: Project Manager on the design/build SCADA system upgrade project, including vendor selection, system design, panel fabrication, coordination of subcontractors, installation, start-up, testing, training, and follow-up/warranty tasks.
- National Park Service, Yosemite National Park Drinking Water System: Lead I&C Design Engineer for new drinking water supply for the park with tank level/wells operation control scheme based on VHF radios, central station, and repeater.
- Contra Costa Water District, Randall-Bold WTP Design/Build DCS Upgrade: Project Manager for development of design/build procurement documents for replacement of the plant's DCS.

Standby and Emergency Power Facilities

TJCAA's project experience features numerous applications of standby and emergency power sources. Our experience includes standby-generators, alternative utility sources of supply, uninterruptible power supplies, and battery systems. Our design group has practical applied design experience in meeting reliability requirements based on the National Electrical Code (NFPA 70), EPA wastewater reliability guidelines, and local Fire Marshals.

Our design staff has a particularly high level of experience with standby generators. Our design group offers our clients the benefits of on-line installations that address physical constraints, fuel alternatives, local and state air quality constraints (California Regional Air Quality Management Districts in particular), and local noise ordinances. We have designed both portable and fixed units, and our designs range in capacity from 15 kW to over 2,000 kW.

Our experience in applying sizing criteria complements our knowledge of treatment processes and regulatory requirements, including raw and primary process streams, primary disinfection requirements, membrane sensitivity, ultraviolet systems, and restrike considerations. Our design staff uses these criteria to work collaboratively with the process and facility designers to identify the most appropriate level of standby capacity required. We apply our knowledge of electrical considerations (e.g., motor starting criteria, electrical harmonic controls, generator sizing calculations, and future loads) to develop a final, cost-effective installation. Installed standby power installations include the following:

- Santa Clara Valley Water District, Rinconada WTP Reliability Improvement Project: Electrical and I&C design for a $180 million plant upgrade, including a new 3-MW diesel standby generator.
- Contra Costa Water District, Bisso O&M/Administration Buildings Emergency Generator Project: Design of a standby generator retrofit. The new 400-kW diesel generator was required to conform to EPA Tier 3 emission requirements.
- City of Mountain View, Crittenden Pump Station: Electrical and instrumentation design for storm water pump station near San Francisco Bay with on-site standby diesel generator.
- Dublin San Ramon Services District, Cogeneration Electrical Improvements Project: design of a WWTP cogeneration facility expansion to add a third cogeneration unit to the facility, resulting in a total internal generation capacity in excess of 2 MW.
- City of Mountain View, Whisman Pump Station: Project management for the electrical design for rehabilitation of the City's main drinking water pump station. The facility was at the City's corporation yard and required installation of a large standby generator for both pumping and corporation yard facility loads.
- Dublin San Ramon Services District, Zone 2 and 3 Pump Station Renovations: Design and construction services for electrical and mechanical renovations at four drinking water distribution pump stations.

- Orange County Water District, Groundwater Replenishment System: Design incorporated dual utility services as the cost-effective alternative to large on-site power generation.
- Metropolitan Water District, Skinner Oxidation Retrofit Program: Discipline task leader for the electrical and I&C design on the retrofit to MWD's 630-mgd WTP. Facility included the addition of a 2-MW engine-generator set integrated into the facility's existing engine generator facility, doubling the plant's standby power capability.
- Contra Costa Water District, Bollman WTP SWQ Project: Plant upgrade project to the 75-mgd WTP, including improvements to double-end the existing 115-kV/4.16-kV substation, including assisting the District in the acquisition of the PG&E substation for enhanced reliability.
- Seattle Public Utilities, Tolt WTP: Design/build of a grassroots 120-mgd treatment plant with 100 percent standby generator capacity.
- Contra Costa Water District, Treated Water Generators and Seismic Valves Project: Prepared documents for owner procurement of several standby engine generators and subsequent equipment installation. Installations were in residential areas, requiring weatherproof and critical sound-attenuated enclosures.
- Diablo Water District, Generator Replacement Project: Project manager for the electrical design for procurement and installation of new on-site diesel engine generator for the District's central facility and Corporation yard.
- East Bay Municipal Utilities District, Walnut Creek WTP Upgrades: Lead electrical design engineer performing detailed electrical design services for a major plant expansion. Electrical upgrades include new 12-kV distribution, new 480-Volt distribution and standby generator.
- City of Salem, Oregon, River Road Wet Weather Treatment Facility: Electrical and I&C task leader for new high rate clarification and ultraviolet disinfection processes designed to treat high flows associated with storm events. Project included double ended, independent 12-kV utility for enhanced reliability.
- City of Livermore, Altamont Pump Station and Reservoir Improvements: Electrical and I&C design for rehabilitation of existing pump station. Design included new standby diesel engine generator in weatherproof and critical sound-attenuated enclosure.
- Contra Costa Water District, Bollman Emergency Generator Design/Build Project and 5-kV Master Plan: Project Management for a design/build contract with the District to install two new 2-MW trailer-mounted engine generator sets.
- City of Santa Cruz, Graham Hill WTP Electrical Improvements: Electrical design of upgrades to support process improvements, including a 1,500-kW standby engine-generator set.

Project Management and Alternative Delivery

In addition to its design skills, TJCAA's staff has exceptional experience in ICE project and task management. Further, our firm has specific and focused experience with completing projects using alternative delivery methods.

TJCAA's corporate infrastructure provides our ICE project and task managers with near "real-time" access to project financial and resource data to support the use of project management tools. In addition to technical excellence, we have found that sound project management, encompassing resource planning, schedule management, communications, coordination, and financial management, is a key element to the success of the project.

TJCAA's ICE staff also has significant experience with alternative project delivery options such as Construction Manager (CM) at risk, Design/CM at risk, design/build, and owner-furnished equipment in addition to our extensive experience with traditional design/bid/build delivery methods. Our design/build experience includes both execution of design/build projects and development of proposal level or partial design level documents that can be used as the basis for design/build proposals. Our staff has also assisted our clients with evaluation and selection of bidders in a design/build environment and we understand the details necessary to make the design/build approach a success.

Examples of our project management and alternative project delivery methods include the following:

- Contra Costa Water District, Bisso O&M/Administration Buildings Emergency Generator Project: Project Management for the design of a standby generator retrofit.
- Glendale Remediation Project: Multi-well and groundwater treatment facility performed under a "CM at Risk" arrangement.
- Dublin San Ramon Services District, Cogeneration Electrical Improvements Project: Project Management, design, and coordination of a WWTP expansion that included the electrical distribution system, cogeneration facility, and relocation of the 21-kV main service.
- United Water of Idaho, Columbia WTP: Design/build of an ultrafiltration membrane treatment process. This project required development of electrical and I&C documents at a level sufficient for construction permitting and to develop a guaranteed maximum price (Design/CM at Risk).
- Seattle Public Utilities, Tolt WTP: Design/build of a grassroots 120-mgd treatment plant that included ozonation, flocculation, filtration, chemical feed, solids handling, and on-site clearwell storage.
- Contra Costa Water District, Treated Water Generators and Seismic Valves Project: Prepared documents for owner procurement of several standby engine generators and subsequent equipment installation.

- Cucamonga Valley Water District 1630 East Recycled Water Pump Station: Project Management for architectural, structural, building mechanical, electrical and I&C design disciplines for the new 3,000–sq. ft. CMU pump station building and facilities.
- Las Virgenes Municipal Water District, Tapia Water Reclamation Facility, Headworks Improvements Project: Prepared design/build bidding documents for upgrades to the Tapia WRF Headworks.
- Department of Defense, March Air Force Base Electrical Distribution Upgrades: Project Management for development of design/build documents to allow government to receive bids and award the design/build contract.
- Costa Water District, Bollman Emergency Generator Design/Build Project and 5-kV Master Plan: Project Management for a design/build contract to install two new 2-MW, trailer-mounted engine-generator sets.
- Contra Costa Water District, 5-kV Electrical System Upgrade Phases 1 and 2: Project Manager for the Bollman plant 5-kV distribution renovation projects.
- City of Folsom, WTP Control System Upgrade: Control system upgrade executed under a design/build approach, including design of control system architecture and interface to remote telemetry, fabrication and installation of PLC back panels, testing, training, and start-up.
- City of San Mateo, Wastewater Plant SCADA System Conceptual Master Plan: Project Management for development of a Master Plan to provide a blueprint for development and implementation of in-plant SCADA.
- Contra Costa Water District, Randall-Bold WTP Design/Build DCS Upgrade: Project Management for design/build replacement of the plant's DCS. Developed bid/proposal documents for the designer/builder, defined proposal evaluation method, facilitated project interviews, and participated in the selection of the design/build firm.
- City of Mountain View, Turnouts Controls Design/Build: Project management for design/build project that included controls and SCADA interfaces for the Escuela and Whisman Turnouts.
- City of San Francisco, WTP Control System Upgrade: Design/build SCADA system modification, featuring major system upgrades at the Harry Tracy WTP and Sunol WTP.
- City of Santa Cruz, Graham Hill WTP Control System Upgrade: Project Management for the design/build system upgrade project including vendor selection, system design, panel fabrication, subcontractor management, installation, start-up, testing, training, and follow up/warranty tasks.

TJCAA Key Personnel Resumes

Terence J. Cavanagh, S.E.

Terence Cavanagh is a registered structural and civil engineer specializing in structural design and seismic evaluation for a variety of facilities. Since 1983, he has evaluated and designed facilities such as water and wastewater treatment plants, chemical facilities, commercial and industrial buildings, and bridges. His in-depth experience allows him to anticipate and address potential design challenges effectively and to thoroughly evaluate the ability of a structure to withstand various stresses. Mr. Cavanagh is a proven project manager; he is able to address client requirements while ensuring the project stays on budget and schedule.

Richard K. Thow, S.E.

Richard Thow has worked in the structural design and seismic evaluation fields since 1986. He has designed and evaluated facilities including WTP structures, WWTP structures, chemical storage facilities, pump stations, and storage tanks/reservoirs. Mr. Thow's experience also comprises extensive evaluation and analysis for nuclear facilities, including regulatory interpretation and compliance, structural evaluation, and facility design and modification.

Daisy M. Yu, S.E., LEED AP

Daisy Yu has extensive experience in seismic evaluation and retrofit design and in the design of large, multi-story steel-framed structures. Her design experience also includes water and wastewater treatment facilities such as reinforced concrete reservoirs, reinforced masonry pump stations, and chemical storage facilities. As an accredited LEED professional, Ms. Yu is recognized as having a background and understanding of the principles that go into designing structures/buildings with a minimal impact on the environment, and that promote energy efficiency and a healthy environment for their occupants/users. Ms. Yu is not only an experienced structural engineer, but also a proven project manager.

Paul J. Giorsetto, P.E., LEED AP

Paul Giorsetto, TJCAA's Instrumentation, Control, and Electrical (ICE) services leader, has extensive design experience in the areas of electrical power distribution, electrical industrial applications, control systems, and instrumentation. He also has significant experience in construction services, as a resident engineer and inspector, and during facility start-up. He has acted as a project manager and electrical and/or discipline lead on large water and wastewater design projects. Mr. Giorsetto has also served as project manager on dedicated electrical and instrumentation and control design-build projects. He is also a LEED Accredited Professional. TJCAA clients seeking ICE design solutions will benefit from Mr. Giorsetto's extensive experience.

Michael J. Erwin, P.E.

Michael Erwin, who heads up TJCAA's Control Systems Programming group, has been building valuable experience since 1986 in the design, implementation, and management of electrical power, control, automation, and instrumentation systems. He performs electrical design engineering for water and wastewater treatment, collection, and distribution systems, and industrial facilities, focusing on instrumentation and control system design and programming. His specific experience includes development of power calculations,

protective device coordination, equipment specification, instrument selection, and control panel fabrication design; design of SCADA systems for in-plant and telemetry-based systems; and PLC programming. He has hands-on familiarity with a wide variety of PLC and SCADA hardware and software platforms. He gained his extensive experience not only as a consultant, but also as chief engineer and project manager for a Northern California systems integrator. With this understanding of the water/wastewater, control system, and construction industries, he provides a viewpoint that emphasizes constructability and an emphasis on systems that feature maximum operator usability and efficiency.

Elaine M. Tee, P.E.

Elaine Tee has experience including instrumentation, controls, and electrical design and fieldwork for municipal water/wastewater, industrial, commercial, and traffic applications. Her experience in design includes power distribution, P&ID development, motor controls, lighting, and cost estimating. Ms. Tee has also supervised and performed onsite facility inspections and has provided construction and field services for several water facilities and expansion projects. Her abilities as a designer provide support to our instrumentation, control, and electrical group, and her experience in the field further strengthens our team's "on the ground" insight.

Eileen A. Nakamura, P.E.

Eileen Nakamura is an electrical engineer with design experience in the areas of electrical power distribution, electrical industrial applications, control systems, and instrumentation. Her experience includes designs of medium- and low-voltage electrical distribution systems for water, wastewater, and industrial waste treatment facilities; plant instrumentation; and SCADA systems for in-plant and telemetry-based systems. She also has experience in construction services during facility start-up for design-build projects.

Jacqueline N. Okubo

Jacqui Okubo is an electrical designer in TJCAA's Instrumentation, Controls, and Electrical Group. She is a graduate of the University of California at Davis, where her work included photovoltaic component design and control system configuration using Labview. Ms. Okubo, who grew up in Kenya, gained professional experience through her work with a leading engineering consultancy firm in Nairobi, providing construction inspection and evaluation services. In support of our senior and staff engineers, she focuses on electrical industrial applications and control systems; developing design layouts for conduit, circuiting, and lighting plans; and preparing engineering calculations used for equipment sizing and specifications.

Terence J. Cavanagh, S.E.
Vice President

Education
MS, Structural Engineering/ Structural Mechanics; University of CA, Berkeley; 1984
BS, Civil Engineering; University of CA, Berkeley; 1982

Professional Registrations
Structural: CA, HI, ID, IL, KY, NH, OR, UT, WA, WY
Civil: AL, AZ, AR, CA, CO, CT, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, ND, NE, NV, NH, NJ, NM, NY, NC, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY

Experience

Mr. Cavanagh, a licensed engineer since 1985, is an expert in the design of water and wastewater treatment plant structures. He specializes in the structural design and seismic evaluation of facilities including water and wastewater treatment plants, reservoirs and storage tanks, pump stations, ozone treatment facilities, chemical storage and containment facilities, and operations centers/laboratories. He provides significant design expertise with all conventional building materials used for water and wastewater treatment facilities. Mr. Cavanagh's specific project experience includes the following:

- ***Rinconada WTP Reliability Improvement Project; Santa Clara Valley Water District; Los Gatos, CA; Project Manager/Principal in Charge***. Structural design for a new ozone generation building, LOX facility, flocculation/ sedimentation basins, filters, washwater recovery facility, chlorine contact basin, and an elevated concrete platform to support electrical equipment. The structures are part of this major project to improve reliability at the Rinconada WTP, which is the main WTP serving the western service area for the District.
- ***Bridge Condition Assessment and Temporary Structure Design; Pasadena Water and Power; Pasadena, CA; Project Manager/Principal in Charge***. Performed structural evaluations of three existing bridges and designed temporary structures to support movement of heavy construction equipment during the City of Pasadena's Arroyo Seco Canyon Project. The bridge designs included a repurposed flatbed railroad car and a field-fabricated, wide-flange steel beam bridge.
- ***Pasadena Recycled Water Project-Phase I; Pasadena Water and Power; Pasadena, CA; Project Manager/Principal in Charge***. Provided structural design for an 11,000–sq. ft. CMU pump station with a concrete roof and two monorails for equipment movement. The design also included a 0.5-MG, rectangular, buried concrete reservoir; a horizontal, hydro-pneumatic tank; and a concrete foundation for a prefabricated FRP building that will provide shelter and secondary containment for stored chemicals.
- ***Murray Reservoir Demolition and Murray Hydro-Pneumatic Zone Upgrades; Pasadena Water and Power; Pasadena, CA; Project Manager/Principal in Charge***. Provided a structural design for a CMU pump station and hydro-pneumatic tank to be located over a demolished in-ground reservoir.
- ***Rinconada WTP Residuals Management Project; Santa Clara Valley Water District; Los Gatos, CA; Principal in Charge***. Responsible for the structural design of new gravity thickeners, a two-story concrete building housing new centrifuges and electrical equipment, and a steel-frame load-out structure.
- ***Ironhouse WWTP Expansion; Oakley, CA; Structural Engineer of Record.*** Responsible for the structural design of a 9-mgd expansion, including an influent pump station, headworks, anoxic/aeration basins, membrane bioreactors, backpulse tank, blower/electrical/generator/chemical building, UV/Effluent pump station, and a solids handling building.

TJC and ASSOCIATES, Inc.

- ***Napa MST Recycled Water Project; Napa Sanitation District; Napa, CA; Principal in Charge.*** Project includes structural design of a 40 x 60-foot concrete masonry pump station and electrical equipment room, as well as four pipe crossings over existing creeks.
- ***Upper Llagas Creek Flood Protection Project; Santa Clara Valley Water District; Morgan Hill, CA; Principal in Charge.*** Provided design engineering for wing walls and head walls for Upper Llagas Creek culverts and other conveyance structures at roads and bridge crossings.
- ***West Antioch Creek Channel Improvement Project; City of Antioch, CA; Principal in Charge.*** Provided design engineering for inlet and outlet head walls for four 50-foot-long, 14 x 7-foot box culverts, placed side by side at a flood channel road crossing.
- ***Sewer Pipe Bridge Crossings; Central Contra Costa Sanitary District; Martinez, Orinda, Lafayette, Alamo, Danville, and San Ramon, CA; Principal in Charge.*** Provided structural engineering support for condition assessment, modifications, and retrofits for 11 sewer pipe bridge crossing at sites throughout the Central Contra Costa Sanitary District. Pipe sizes ranged from 6 to 48 inches. Provided engineering support during construction.
- ***Advanced Floatation Tank Replacement Project; City of Sunnyvale, CA; Principal in Charge.*** This structural evaluation included field investigation of tank vulnerability to seismic events. The final design required sequencing considerations to maintain plant operations throughout the various tank retrofits, maintaining at least two tanks in operation at all times.
- ***Wastewater and Recycled Water Facility Upgrade; Novato Sanitary District; Novato, CA; Principal in Charge.*** Performed a structural analysis to verify that Digester No. 1 will meet code requirements. Evaluation included destructive testing, exterior inspection, and analysis. The project included an interior inspection and a peer review of the design for the digester's new aluminum roof.
- ***Headworks Project; Sausalito-Marin City Sanitary District; Sausalito, CA; Project Manager.*** Providing structural design for facility improvements as part of a WWTP expansion design on a highly constrained site adjacent to San Francisco Bay.
- ***WWTP Expansion; Delta Diablo; Structural Engineer of Record.*** Designed structural elements for a 12.2-mgd WWTP expansion to include a recycled water facility to service two power generation facilities. Design of this multimillion-dollar facility, which was completed within 6 months, included a 1.8-MG welded steel tank for recycled water storage. Mr. Cavanagh provided engineering services during construction.
- ***C Street Pump Station; City of Petaluma, CA; Project Manager.*** Performed a seismic assessment and refurbishment design for a 1960s pump station to accommodate new pumps, improve Code compliance, and address architectural aesthetics.
- ***Bridgehead Emergency Storage Basin and Pump Station; Delta Diablo; Oakley, CA; Structural Engineer of Record.*** Structural design of a sewage pumping station and a 1-MG cast-in-place emergency storage basin. Design included a concrete building 26 feet below grade and a two-story, 1,720–sq. ft. masonry block building with a metal truss built-up roof.
- ***Bisso O&M/Administration Buildings Emergency Generator Project; Contra Costa Water District, Concord CA; Principal in Charge.*** Provided foundation design for Emergency Generators.

- ***Water Distribution Pipe Bridge; St. Helena Hospital; St. Helena, CA; Principal in Charge.*** Provided structural engineering design and drafting for a new pipe bridge carrying 10-inch and 6-inch potable water pipelines. The bridge spanned 42 feet 6 inches of Brook Creek in St. Helena, California. Provided engineering support during construction.
- ***Seismic Assessments; Columbus Foods; South San Francisco, Hayward, and Bayfront Sites, CA; Project Manager.*** Directed assessments and retrofit recommendation development for California Accidental Release Program seismic evaluations.
- ***Yountville Veterans Home; Title 22 Upgrades and Recycled Water Expansion Project; Principal Engineer.*** Design of a partially buried, 24 x 50-foot cast-in-place concrete chlorine contact basin with redwood baffle walls.
- ***McCloud Reservoir Assessment; City of Pleasanton, CA; Principal in Charge.*** Directed an assessment of a 2-MG, prestressed cast-in-place concrete tank. Directed and provided quality assurance/quality control for development of retrofit recommendations.
- ***Vineyard Avenue Pump Station; City of Pleasanton, CA; Principal Engineer.*** Provided engineering and construction services for the design of a 2,176–sq. ft. concrete masonry unit pump station/electrical building on a constricted site with strict architectural/aesthetic requirements.
- ***Surface Water Treatment Facility, Phase I; City of Brentwood, CA; Principal Engineer.*** Provided engineering for the design of a WTP expansion. Specific elements of the project included a 30 x 35-foot, 35-foot-deep wet well and concrete masonry block electrical building.
- ***Recycled Water Project; Delta Diablo, Pittsburg, CA; Project Manager.*** Provided structural design and construction services for a 1-MG welded steel recycled water tank and supporting pump stations.
- ***Storm Water Pump Station Refurbishment; Central Sanitation District; Orinda CA; Project Manager.*** Prepared seismic evaluations and retrofit designs for the upgrade of the Lower Orinda Pump Station. Expansion of this circa 1950 pump station increased its capacity from 14 mgd up to 21 mgd—the estimated capacity required for operation through 2035.
- ***Austin Creek Pump Station; Vallejo Sanitation and Flood Control District; Vallejo, CA; Project Manager.*** Performed preliminary structural evaluation of the existing Austin Creek Pumping Station, a 40 x 24-foot cast-in-place concrete structure constructed circa 1956. The evaluation assessed the structural condition of the existing building as it related to the need for repair or replacement.
- ***WWTP Expansion; City of Brentwood; Structural Engineer of Record.*** Design of a 10-mgd WWTP expansion. This substantially new, $40 million facility included all elements of the process train and required consideration for mitigation of highly liquefiable soils. The selected mitigation measure included a combination of stone piles and dynamic compaction. Provided engineering services during construction.
- ***Plant Operations Center; Delta Diablo; Structural Engineer of Record.*** Responsible for the structural design of a 40,000–sq. ft. plant operations center consisting of a 28,000–sq. ft., two-story, steel-framed office/lab structure and a 12,000–sq. ft., tilt-up shop and warehouse facility.

- ***Oxygen Reactors Improvements; City of Yuba City Public Works Utilities Division; Project Manager and Principal in Charge.*** Designed isolated concrete masonry unit building for housing electrical switchgear equipment to support mechanical upgrades at the Wastewater Treatment Facility. Designed a coating rehabilitation for pure oxygen aeration system.
- ***Coral Street and Fountain Avenue Pump Station Upgrades; Monterey Regional Water Pollution Control Agency, Monterey, CA; Principal in Charge.*** Directed the seismic analysis and design for refurbishment of oceanside pump stations.
- ***Ridgemark WWTP Expansion; Sunnyslope County Water District; Ridgemark, CA; Project Manager.*** Lead and provided quality assurance/quality control reviews for the design of modification and expansion of the headworks, membrane bioreactors, blower building and solids handling storage tank on a fault rupture site.
- ***Graham Hill WTP Electrical Improvements Project; City of Santa Cruz Water Department, Santa Cruz, CA; Principal in Charge.*** Design of a new concrete masonry unit electrical building and retaining wall. Project included renovation, expansion of, and improvements to the electrical distribution system at the City's main Graham Hill WTP.
- ***1630 East Recycled Water Pump Station; Cucamonga Valley Water District; Rancho Cucamonga, CA; Structural Quality Assurance Lead.*** Structural design of a 40 x 74-foot concrete masonry unit pump station housing five pumps and an electrical equipment room. The structure consisted of masonry slumpstone walls with a metal truss pitched roof.
- ***Palo Alto Regional Water Quality Control Plant Auxiliary Disinfection System and UV Disinfection System; City of Palo Alto, CA; Principal Engineer.*** Design of chemical containment areas for new sodium hypochlorite and sodium bisulfite tanks, and design of a new, 75 x 35-foot, cast-in-place concrete UV disinfection structure, including influent and effluent basins, UV channels, pile supports, and support for the roof structure, which includes a bridge crane.
- ***Domestic Water Connection and Distribution System Piping Project; Sacramento County Airport System; Project Manager.*** Provided engineering for the design of prestressed concrete pile foundation system supporting two 1.5-MG prestressed concrete potable water storage reservoirs.
- ***Drinking Water Improvement Project; City of Folsom, CA; Project Manager.*** Provided engineering for the design of a 10-mgd WTP expansion. Specific elements included Actiflo pretreatment structure, filters, and partially buried prestressed concrete chlorine contact tank. Provided engineering services during construction.
- ***WTP Seismic/Process Upgrades; Santa Clara Valley, CA; Structural Engineer.*** Managed upgrades for three of Santa Clara Valley's WTPs. All three plants are within the seismically active Bay Area and required development of site-specific ground accelerations. Developed landslide mitigation measure recommendations for one of the plants sited on an active landslide.
- ***Manufacturing Facility Seismic Evaluation/Retrofit; Raytheon; Mountain View, CA; Structural Design Engineer.*** Performed seismic evaluations and prepared retrofit designs for Raytheon's manufacturing facility. Modifications to this one-story, tilt-up structure included both the vertical and lateral load-carrying systems. Significant modification to the plant's HVAC and scrubber system required support without interruption of production within the building.

- ***Automobile Service Station; United Oil; Cerritos, CA; Project Manager.*** Performed a peer review of a 60 x 60-foot, triangular shaped building and 41 x 85-foot open canopy structure with integrated photovoltaic panels.
- ***Groundwater Replenishment Project; Orange County Water District; Fountain Valley, CA; Task Manager and Structural Engineer of Record.*** Provided engineering for the design of prestressed concrete pile foundations for all structures in the Advanced Water Treatment Facility of the Groundwater Replenishment Project.
- ***Operations Building and Maintenance Shop; Washoe County Department of Water Resources; Reno, NV; Engineer of Record.*** As part of a 6-mgd WTP project, designed a 6,700–sq. ft. concrete masonry block operations building and a 2,250–sq. ft. concrete masonry block maintenance shop.
- ***Pump Station; Monte Vista Water District, Montclair, CA; Project Manager.*** Provided engineering for the design of concrete masonry block pump station. The project was performed under a very aggressive schedule, completed within four weeks from start to finish.
- ***Stormwater Wet Well and Pump Station; Alameda Transit Corridor; Los Angeles, CA; Structural Engineer of Record.*** Responsible for the structural design of a below-grade stormwater wet well and masonry block pump station. The stringent schedule requirements of this multibillion-dollar project required the design of the wet well and pump station to be completed in 2 months.
- ***WWTPs; Department of the Navy; Camp Pendleton, CA; Structural Engineer of Record.*** Structural modifications to seven existing WWTPs and two existing lift stations for the Navy in Camp Pendleton, CA. Upgrades included addition of clarifiers, digesters, and pump stations. Additional modifications included accessibility improvements to various process units and upgrades to existing operations buildings. Provided engineering services during construction.
- ***Water Pump Stations; Fountain Valley, CA.*** Preliminary design and design for seismic upgrade and minor modifications for two existing pump stations.
- ***Tolt WTP; Seattle, WA.*** Responsible for the design of a 125-mgd water filtration plant. The Tolt WTP was one of the first large-scale Design-Build-Operate projects issued by a municipality.
- ***Hyperion WWTP Expansion; Structural Design Engineer.*** Prepared structural designs for a 12,000–sq. ft., three-story, steel frame control building and a 15,000–sq. ft., steel frame compressor building.

Publications

Moehle, Jack P. and Cavanagh, Terry. "Confinement Effectiveness of Crossties in RC." Journal of Structural Engineering, Vol. 3, No. 10. ASCE. October 1985.

Richard K. Thow, S.E.
Associate

Experience

Richard Thow has worked in the structural design and seismic evaluation fields since 1986. He has designed and evaluated facilities including WTP structures, WWTP structures, bridges, chemical storage facilities, pump stations, and storage tanks/reservoirs. Mr. Thow's experience also comprises extensive evaluation and analysis for nuclear facilities, including regulatory interpretation and compliance, structural evaluation, and facility design and modification. His specific project experience includes the following:

- ***Rinconada WTP Reliability Improvement Project; Santa Clara Valley Water District; Los Gatos, CA; Project Engineer***. Structural design for a new ozone generation building, LOX facility, flocculation/sedimentation basins, filters, washwater recovery facility, chlorine contact basin, and an elevated concrete platform to support electrical equipment. The structures are part of this major project to improve reliability at the Rinconada WTP, which is the main WTP serving the western service area for the District.
- ***Bridge Condition Assessment and Temporary Structure Design; Pasadena Water and Power; Pasadena, CA; Project Engineer***. Performed structural evaluations of three existing bridges and designed temporary structures to support movement of heavy construction equipment during the City of Pasadena's Arroyo Seco Canyon Project. The bridge designs included a repurposed flatbed railroad car and a field-fabricated, wide-flange steel beam bridge.
- ***Structural On-Call Services; Central Contra Costa Sanitary District, Martinez, CA; Lead Design Engineer.*** Provided on-call design services for a hazardous waste containment canopy, installation of a manhole at the Influent Junction Structure as part of the 7311 Safety Enhancements Project, and an air-handling unit as part of an equipment replacement project.
- ***Structural On-Call Services; City of South San Francisco, CA; Lead Structural Engineer.*** Provided design services for a soldier pile retaining wall, and a corporate yard soils stockpile canopy to be used as a best management practice for compliance with the City's Storm Water Permit issued by the Regional Water Quality Control Board.
- ***Arcy Lane Influent Junction Structures; Delta Diablo, Antioch, CA; Lead Design Engineer. Arcy Lane Influent Junction Structures; Delta Diablo, Antioch, CA; Lead Design Engineer.*** Provided structural material condition assessments and a repair design for influent junction structures accommodating 24 to 48-inch sewer pipes.
- ***Flint Pump Station Upgrade Project; City of San Mateo, CA; Lead Design Engineer.*** Provided construction services including bid support for reviewing structural submittals.
- ***Coral Street and Fountain Avenue Pump Station Upgrades; Monterey Regional Water Pollution Control Agency, Monterey, CA; Project Manager.*** Performed a seismic analysis and design for refurbishment of oceanside pump stations***.***

Education

BS, Civil Engineering, with honors; University of Abertay, Scotland; 1986

Professional Registrations

Structural: CA
Civil: CA

Specialized Training Certification

Confined Space Entry: CA

- ***West Antioch Creek Channel Improvement Project; City of Antioch, CA; Lead Design Engineer.*** Provided design engineering for inlet and outlet head walls for four 50-foot-long, 14 x 7-foot box culverts, placed side by side at a flood channel road crossing.
- ***Murray Reservoir Demolition and Murray Hydro-Pneumatic Zone Upgrades; Pasadena Water and Power; Pasadena, CA; Quality Assurance/Quality Control (QA/QC)***. Provided a structural design for a CMU pump station and hydro-pneumatic tank to be located over a demolished in-ground reservoir.
- ***Water Distribution Pipe Bridge; St. Helena Hospital; St. Helena, CA; Lead Structural Engineer.*** Provided structural engineering design and drafting for a new pipe bridge carrying 10-inch and 6-inch potable water pipelines. The bridge spanned 42 feet 6 inches feet of Brook Creek in St. Helena, California. Provided engineering support during construction.
- ***Sewer Pipe Bridge Crossings; Central Contra Costa Sanitary District; Martinez, Orinda, Lafayette, Alamo, Danville, and San Ramon, CA; Lead Structural Engineer***. Provided structural engineering support for condition assessment, modifications, and retrofits for 11 sewer pipe bridge crossing at sites throughout the Central Contra Costa Sanitary District. Pipe sizes ranged from 6 to 18 inches. Provided engineering support during construction.
- ***Northern Burbank Recycled Water Main Extension Project; City of Burbank Water and Power, Burbank, CA; Lead Design Engineer.*** Provided structural engineering and drafting services in support of the Burbank Western Channel Crossing. Project included traversing an existing flood channel and required collaboration with the US Army Corps of Engineers, Los Angeles District.
- ***T4 3-MG Water Tank and Booster Pump Station Project; City of Fresno, CA; Project Engineer.*** Provided engineering services during construction on behalf of the City of Fresno for design-build of a DN Tanks 3-MG prestressed concrete water tank.
- ***Alta Vista Tank No. 2; Montara Water and Sanitary District, Montara, CA; Project Engineer***. Provided engineering services during construction on behalf of the Montara Water and Sanitary District for design-build of a DN Tanks 0.5-MG prestressed concrete water tank. Provided on-site inspections.
- ***1630 East Recycled Water Pump Station; Cucamonga Valley Water District; Rancho Cucamonga, CA; QA/QC.*** Structural design of a 40 x 74-foot concrete masonry unit pump station housing five pumps and an electrical equipment room. The structure consisted of masonry slumpstone walls with a metal truss pitched roof.
- ***Glenview Water Storage Tank; City of San Bruno, CA; Project Engineer.*** Provided structural engineering services for seismic assessment of a 2-MG prestressed concrete tank constructed in 1950, including peer review of seismic retrofit bid documents.
- ***Cunningham Water Tank No. 1 Structural Assessment; City of San Bruno, CA; Project Engineer.*** Provided structural assessment of a 1964 welded steel tank, with methods including non-destructive testing. Provided retrofit recommendations.
- ***Donnelly Reservoir Refurbishment; City of Burlingame, CA; Project Engineer.*** Provided structural consulting services in support of two existing welded steel tanks.
- ***Clayton Regency Potable Water Storage Project; Contra Costa County, CA; Project Engineer.*** Provided structural consulting services for a 1-MG bolted steel water tank.
- ***Condition Assessment and Design; City of Sunnyvale, CA; Design Engineer.*** Structural evaluation and design for repair of concrete, slide gate systems, and leaking pipes in the primary treatment systems at the city of Sunnyvale's Water Pollution Control Plant. This project is intended to extend the life of existing structures until they

are replaced as part of the City's Master Plan and Primary Treatment Facility Design Project.

- ***Pump Station; Monte Vista Water District, Montclair, CA; Project Engineer.*** Provided engineering for the design of concrete masonry block pump station. The project was performed under a very aggressive schedule, completed within four weeks from start to finish.
- ***Seismic Assessments; Columbus Foods in South San Francisco, Hayward, and Bayfront Sites, CA; Project Engineer.*** Performed site inspections as part of seismic assessments to identify governing structural elements and areas of seismic vulnerability as part of California Accidental Release Program seismic evaluations.
- ***Walnut Creek No. 1 and 2 Well Water Pumping Plant Electrical Safety Improvements; East Bay Municipal Utility District, Walnut Creek, CA; Project Engineer.*** Designed slabs on grade for a 42,000-pound, pile-supported transformer and two switchgear pads. Fast track project for which design through construction was completed in 4 months.
- ***C Street Pump Station; City of Petaluma, CA; Lead Design Engineer.*** Performed a seismic assessment and refurbishment design for a 1960s pump station, to accommodate new pumps, improve Code compliance, and address architectural aesthetics.
- ***Bridgehead Emergency Storage Basin and Pump Station; Delta Diablo, Oakley, CA; Project Engineer.*** Structural design of a sewage pumping station and a 1-MG, cast-in-place emergency storage basin. Design included a concrete building 26 feet below grade and an above-grade, two-story, 1,720–sq. ft. masonry block building with a metal truss built-up roof.
- ***McCloud Reservoir Assessment; City of Pleasanton, CA; Project Manager.*** Provided an assessment of a 2-MG, prestressed, cast-in-place concrete tank. Developed retrofit recommendations.
- ***Recycled Water Pipe Bridge Crossing; City of Santa Clara, CA; Lead Design Engineer***. Provided structural engineering design and drafting for a new, 12-inch recycled water pipeline across San Tomas Aquino Creek. Pipeline was attached to the existing Walsh Avenue Road Bridge. Provided engineering support during construction.
- ***Recycled Water Pipe Bridge Crossings; Palo Alto–Mountain View, CA; Lead Design Engineer***. Provided structural engineering design for recycled water pipeline bridge crossings over Matadero and Adobe Creeks. Provided engineering support during construction.
- ***Advanced Floatation Tank Replacement Project; City of Sunnyvale, CA; Design Engineer.*** This structural evaluation included field investigation of tank vulnerability to seismic events. The final design required sequencing considerations to maintain plant operations throughout the various tank retrofits, maintaining at least two tanks in operation at all times.
- ***Ridgemark WWTP Expansion; Sunnyslope County Water District, Ridgemark, CA; Design Engineer***. Provided structural engineering support for modification and expansion of the headworks, membrane bioreactors, blower building, and solids handling storage tank on a fault rupture site.
- ***Headworks Project; Sausalito-Marin City Sanitary District, Sausalito, CA; Project Engineer.*** Provided structural assessment, evaluated options for headworks structure improvements, and developed a design for a WWTP expansion on a highly constrained site adjacent to San Francisco Bay.
- ***Vineyard Avenue Pump Station; City of Pleasanton, CA; Project Engineer.*** Provided engineering and construction services for the design of a 2,176–sq. ft. concrete

masonry unit pump station/electrical building on a constricted site with strict architectural/aesthetic requirements.

- ***Ironhouse WWTP Expansion; Oakley, CA; Project Engineer.*** Responsible for the structural design of a 9-mgd expansion, including an influent pump station, headworks, anoxic/aeration basins, membrane bioreactors, backpulse tank, blower/electrical/generator/chemical building, UV/Effluent pump station, and a solids handling building.
- ***Northern Dougherty Valley Zone 3 Potable Water Facilities Reservoir 300B and Pump Station 300C; Dublin San Ramon Services District, CA; Project Engineer.*** Provided engineering services during construction of a 1.5-MG, prestressed concrete potable water storage tank and masonry block pump station. Structural elements of this project were not designed by TJCAA.
- ***Bisso O&M/Administration Buildings Emergency Generator Project; Contra Costa Water District, Concord CA; Project Engineer.*** Provided foundation design for Emergency Generators.
- ***Operations Building and Maintenance Shop; Washoe County Department of Water Resources, Reno, NV; Project Engineer.*** As part of a 6-mgd WTP project, designed a 6,700–sq. ft. concrete masonry block operations building and a 2,250–sq. ft. concrete masonry block maintenance shop.
- ***Pure Oxygen Aeration System Concrete Rehabilitation Project; City of Yuba City, CA; Lead Design Engineer.*** Performed inspections and evaluated alternatives for the rehabilitation of twelve 43–sq. ft. basins in a Pure Oxygen Aeration System at Yuba City's Wastewater Treatment Facility, to address deterioration of concrete walls, columns, and slabs.
- ***Zone 1 Water System Improvement; City of Livermore, CA; Project Engineer.*** Provided engineering for the structural design of a masonry block pump station and prestressed concrete water storage reservoir.
- ***Dougherty Valley Reservoir 200B; Dublin San Ramon Services District, CA; Project Engineer.*** Provided engineering associated with the development of a Performance Specification for a 1.5-MG potable water reservoir.
- ***Domestic Water Connection and Distribution System Piping Project; Sacramento County Airport System, Sacramento, CA; Project Engineer.*** Provided engineering for the design of prestressed concrete pile foundation system supporting two 1.5-MG prestressed concrete potable water storage reservoirs.
- ***Oak Park Lane Traffic Bridge; Central Contra Costa County Sanitary District, Pleasant Hill, CA; Design Engineer.*** Provided structural engineering services for a condition assessment of an existing traffic bridge in support of a sewer renovation project. Project included development of as-built drawings of the bridge and an assessment of its load-carrying capacity, specifically, its ability to handle daily construction traffic.
- ***Surface Water Treatment Facility, Phase I; City of Brentwood, CA; Project Engineer.*** Provided engineering for the design of a WTP expansion. Specific elements of the project included a 30 x 35-foot, 35-foot-deep wet well and concrete masonry block electrical building.
- ***Austin Creek Pump Station; Vallejo Sanitation and Flood Control District, Vallejo CA; Project Engineer.*** Performed a preliminary structural evaluation of the existing Austin Creek Pumping Station, a 40 x 24-foot cast-in-place concrete structure constructed circa 1956. The evaluation assessed the structural condition of the existing building as it related to the need for repair or replacement.

- ***Airport Avenue Pump Station; City of Livermore, CA; Project Engineer***. Structural engineering consultation in support of the refurbishment of an existing pump station near the Livermore Airport in Livermore, California.
- ***Drinking Water Improvement Project; City of Folsom, CA; Project Engineer.*** Provided engineering for the design of a 10-mgd WTP expansion. Specific elements included Actiflo pretreatment structure, filters, and partially buried, prestressed concrete chlorine contact tank. Provided engineering services during construction.
- ***Tank Inspection, Vopak Jet Fuel Storage Facility; Wilmington, CA; Project Engineer.*** Performed structural assessment of three jet fuel storage tanks. The tanks experienced some degree of damage during the October 16, 1999 Hector Mine earthquake. The assessment was performed to ascertain whether damage to the interior aluminum floating cover was attributable to the seismic event.
- ***Nuclear Medical Camera Installation; ADAC.*** Structural design of support system for 6,500-pound nuclear imaging camera to be installed within an existing office building.
- ***Stormwater Pump Station Refurbishment; Central Sanitation District, Orinda CA; Project Engineer.*** Prepared seismic evaluations and retrofit designs for the upgrade of the Lower Orinda Pump Station. Expansion of this circa 1950 pump station increased its capacity from 14 to 21 mgd—the estimated capacity required for operation through 2035.
- ***Groundwater Replenishment System; Orange County Water District and Orange County Sanitary District Joint Project, Fountain Valley, CA; Project Engineer.*** Provided engineering for the design of 750 prestressed concrete pile foundations for all structures in the Advanced Water Treatment Facility.
- ***Stormwater Wet Well and Pump Station; Alameda Transit Corridor, Los Angeles, CA; Project Engineer.*** Provided engineering for the structural design of a below-grade storm water wet well and masonry block pump station. Specific elements included the design of 80-foot-deep concrete piers, intermediate support struts, above-grade concrete masonry unit structure, and intermediate platforms to accommodate process requirements.
- ***WWTP Expansion; City of Brentwood, CA; Project Engineer.*** Designed specific elements of a 10-mgd plant expansion. Basin designs included oxidation ditches, primary clarifiers, filter basins, and chlorine contact basins.
- ***WWTP Expansion; Delta Diablo, Antioch, CA; Project Engineer.*** Provided structural engineering support for design of a 12.2-mgd plant expansion to provide recycled water. Specific elements included filters, clarifiers, chlorine contact basins, and a 1.8-MG steel reservoir.
- ***Wet Weather Facility Upgrade; City and County of San Francisco Department of Public Works, San Francisco, CA; Project Engineer.*** Prepared seismic evaluations and retrofit designs for a conceptual design report for the upgrade of the North Point Wet Weather Facility.
- ***Recycled Water Project; Delta Diablo, Pittsburg, CA; Project Engineer.*** Provided structural design and construction services for a 1-MG welded steel recycled water tank and supporting pump stations.
- ***Wastewater and Recycled Water Facility Upgrade; Novato Sanitary District; Novato, CA; Lead Design Engineer.*** Provided a predesign evaluation to identify areas of seismic vulnerability and determine options for placement of new equipment in existing structures. Designed upgrades that accommodated continual plant operation and seismic concerns regarding differential settlement on Bay Mud.
- ***Maintenance Rule Implementation; Various Nuclear Facilities; Lead Project Engineer.*** Responsible for implementing 10 CFR 50.65 (the maintenance rule) at

several commercial nuclear power plants, including Diablo Canyon Power Plant, CA; Indian Point Three, NY; and Cooper Nuclear Station, NE.

- ***Engineering Research; Electric Power Research Institute; Lead Research Engineer.*** Investigated a Nuclear Regulatory Commission notice suggesting that resistance temperature detectors in a nuclear power plant's reactor coolant system may experience non-conservative drift. Research indicated that the original Nuclear Regulatory Commission concerns were unfounded, resulting in millions of dollars saved by nuclear utilities.
- ***Comanche Peak Steam Electric Station, Unit 1, TX; Project Engineer.*** Responsible for developing cost-effective analytical methods using existing software for structural analysis of concrete walls for a nuclear facility. The analysis resulted in a program for control of rebar cuts during facility retrofits.
- ***Comanche Peak Steam Electric Station, Unit 2, TX; Project Engineer.*** Responsible for developing a technical approach for the generic seismic qualification of all Category II structural steel stairways in a nuclear facility.
- ***Comanche Peak Steam Electric Station, Unit 1, TX; Engineer.*** Performed manual analysis, both as originator and checker, of the seismic adequacy of the conduit supports at a commercial nuclear power facility. Ensured correct technical approach and adherence to quality assurance requirements. Responsible for training and coordinating staff and for "as-built" data review.

Publications

"Effects of Aging of Resistance Temperature Detectors on Cross Calibration Techniques." EPRI Report No. EPRI TR-103099. June 1994.

Education
MS, Structural Engineering; University of CA, Berkeley; 1999
BS, Civil Engineering; University of CA, Berkeley; 1994

Professional Registrations
Structural: CA
Civil: CA

LEED Accredited Professional

Professional Memberships
Structural Engineers Association of Northern California
American Concrete Institute
American Institute of Steel Construction

Daisy M. Yu, S.E., LEED AP
Senior Structural Engineer

Experience

Ms. Yu has extensive experience in seismic evaluation and retrofit design and in the design of large, multi-story, steel-framed structures. Her design experience also includes water and wastewater treatment facilities such as reinforced concrete reservoirs, reinforced masonry pump stations, and chemical storage facilities. As a LEED accredited professional, she is recognized as having a background and understanding of the principles that go into designing structures with a minimal impact on the environment, and that promote energy efficiency and a healthy environment for their occupants. Ms. Yu is not only an experienced structural engineer, but also a proven project manager. Her specific experience includes the following:

- ***Rinconada WTP Reliability Improvement Project; Santa Clara Valley Water District; Los Gatos, CA; Project Engineer***. Provided structural design for a new ozone generation building, LOX facility, flocculation/sedimentation basins, filters, washwater recovery facility, chlorine contact basin, and an elevated concrete platform to support electrical equipment. The structures are part of this major project to improve reliability at the Rinconada WTP, which is the main WTP serving the western service area for the District. Providing engineering services during construction.

- ***Folsom Zone 6 Pump Station; City of Folsom, CA; Project Manager.*** Provided structural design of a 26 x 94-foot booster pump station housing five vertical pumps and an electrical room. The single-story, concrete masonry building has a prefabricated wood truss roof. Produced final designs and specifications under an aggressive schedule.

- ***Rinconada WTP Residuals Management Project; Santa Clara Valley Water District; Los Gatos, CA; Project Engineer***. Responsible for the structural design of new gravity thickeners, a two-story concrete building housing new centrifuges and electrical equipment, and a steel frame load-out structure. Provided engineering services during construction.

- ***Hilltop Green Lift Station Replacement; West County Wastewater District; Richmond, CA; Project Manager.*** Provided structural design of a 22 x 14-foot, below-grade concrete wetwell approximately 22 feet deep and associated concrete valve vault.

- ***Soscol Recycled Water Pump Station North-South Split; Napa Sanitation District; Napa, CA; Project Manager.*** Foundation design for a 2,000-gallon vertical surge tank at the Soscol Recycled Water Pump Station. Provided engineering services during construction.

- ***Napa MST Recycled Water Booster Pump Station No. 1 and Pipeline Project; Napa Sanitation District; Napa, CA; Project Engineer.*** Structural design of a 40 x 60-foot concrete masonry pump station and electrical equipment room, as well as four pipe crossings over existing creeks. Provided engineering services during construction.

TJC and ASSOCIATES, INC.

- ***Yountville WWTP Dissolved Air Flotation (DAF) Installation; Town of Yountville; Project Manager.*** Structural design and construction services for a 10 x 23-foot concrete foundation slab, including anchorage requirements, for a DAF unit for solids thickening.
- ***West Antioch Creek Channel Improvement Project; City of Antioch, CA; Project Engineer.*** Provided engineering for modifications to an existing concrete masonry building that ***needed*** to be partially demolished to make room for creek channel improvements.
- ***Upper Llagas Creek Flood Protection Project; Santa Clara Valley Water District, Morgan Hill, CA; QA/QC.*** Performed QA/QC of design engineering for wing walls and head walls for Upper Llagas Creek culverts and other conveyance structures at roads and bridge crossings.
- ***Murray Reservoir Demolition and Murray Hydro-Pneumatic Zone Upgrades; Pasadena Water and Power, City of Pasadena, CA; QA/QC.*** Performed QA/QC of design engineering for a 15 x 17-foot concrete masonry building with a gabled, wood truss roof in a seismically active area.
- ***Pump Station Q Force Main/Gravity Interceptor Reverse Flow Upgrades; East Bay Municipal Utilities District, Berkeley, CA; QA/QC.*** Performed QA/QC of design engineering for five cast-in-place, below-grade vaults. These vaults provide locations for metering and diversion of flows, and pipe sizes accommodated by the vault designs ranged from 36 to 96 inches in diameter.
- ***1630 East Recycled Water Pump Station; Cucamonga Valley Water District; Rancho Cucamonga, CA; Project Manager.*** Structural design of a 40 x 74-foot concrete masonry unit pump station housing five pumps and an electrical equipment room. The structure consisted of masonry slumpstone walls with a steel truss roof.
- ***Wochholz Wastewater Treatment Facility Improved Salinity Effluent Project; Yucaipa Valley Water District; Calimesa, CA; Project Manager.*** Designed new loading dock and chemical storage areas for the addition of a reverse osmosis train to reduce salinity levels in the effluent water.
- ***L.A. County Waterworks, District 29 Creek Crossing Repairs; Malibu, CA; Project Engineer.*** Reviewed existing pipe crossing supports and designed repairs to strengthen deficiencies.
- ***C Street Pump Station; City of Petaluma, CA; QA/QC.*** Performed quality assurance/quality control reviews for a seismic assessment and refurbishment design of a 1960s pump station.
- ***Wastewater and Recycled Water Facility Upgrade; Novato Sanitary District; Novato, CA; Design Engineer.*** Provided a predesign evaluation to identify areas of seismic vulnerability and determine options for placement of new equipment in existing structures. Designed upgrades that accommodated continual plant operation and seismic concerns regarding differential settlement on Bay Mud.
- ***Headworks Project; Sausalito-Marin City Sanitary District; Sausalito, CA; QA/QC.*** Provided structural assessment and evaluated options for clarifier improvements for a WWTP expansion on a highly constrained site adjacent to San Francisco Bay. Performed QA/QC for the design.
- ***Ridgemark WWTP Expansion; Sunnyslope County Water District; Ridgemark, CA; Design Engineer***. Provided structural engineering support for modification and expansion of the headworks, membrane bioreactors, blower building, and solids handling storage tank on a fault rupture site.

- ***Yountville Veterans Home, Title 22 Upgrades and Recycled Water Expansion Project; Project Engineer and TJCAA Project Manager.*** Design of a partially buried, 24 x 50-foot cast-in-place concrete chlorine contact basin with redwood baffle walls.
- ***Ironhouse WWTP Expansion; Oakley, CA; Project Engineer.*** Responsible for the structural design of a 9-mgd expansion, including an influent pump station, headworks, anoxic/aeration basins, membrane bioreactors, backpulse tank, blower/electrical/generator/chemical building, UV/Effluent pump station, and a solids handling building.
- ***Graham Hill WTP Electrical Improvements Project; City of Santa Cruz Water Department; Santa Cruz, CA; Project Engineer.*** Renovation, expansion, and improvements to the electrical distribution system at the City's main Graham Hill WTP. This project included design of a new concrete masonry unit electrical building and retaining wall.
- ***Building A Seismic Retrofit; Columbus Foods; South San Francisco CA; Design Engineer.*** Performed a seismic assessment and upgrade design for a 53,000–sq. ft. concrete tilt-up building at the Columbus Foods Forbes food processing facility.
- ***Palo Alto Regional Water Quality Control Plant Auxiliary Disinfection System and UV Disinfection System; City of Palo Alto, CA; Project Engineer and TJCAA Project Manager.*** Design of chemical containment areas for new sodium hypochlorite and sodium bisulfite tanks, and design of a new, 75 x 35-foot cast-in-place concrete UV disinfection structure, including influent and effluent basins, UV channels, pile supports, and support for the roof structure, which includes a bridge crane.
- ***Tolt WTP; City of Seattle; Seattle, WA.*** Performed structural design for the ozone contactor/flocculator structure and filters for a 125-mgd water filtration plant.
- ***Pittsburg Water Storage Reservoir; Pittsburg, CA.*** Responsible for structural design of 1-MG and 5-MG prestressed water storage reservoirs.
- ***Crittenden Pump Station; Mountain View, CA. Performed structural design*** for a pump station wet well and a concrete masonry unit pump station building.
- ***San Francisco Friends School; San Francisco, CA; Project Manager.*** Responsible for the structural design of the seismic upgrade and retrofit of this existing 85,000–sq. ft., three-story timber building. The building has new steel concentrically braced frames, strengthened diaphragms, a new concrete mat foundation, and a new steel truss roof structure over the gymnasium and theatre.
- ***Berkeley Community College; Peralta Community College District; Berkeley, CA; Project Manager/Engineer.*** Responsible for the structural analysis and design of this new six-story, 165,000–sq. ft. building. The structure is steel framed with concrete filled metal deck at the floors, concrete shear walls, and a drilled concrete pier foundation. A 60 x 80-foot elliptical skylight supported on steel tension rod trusses provides cover for the central atrium.
- ***Science and Technology Center; Dominican University of California; San Rafael, CA; Project Manager/Engineer.*** Responsible for the structural analysis and design of this new 35,000–sq. ft., two-story building with an L-shaped configuration. The structure is steel framed with concrete filled metal deck and steel concentrically braced frames. Coordinated work with design-build foundation contractor for implementing a Geopier foundation.

- ***California Maritime Academy, Simulation Center; California State University; Vallejo, CA; Project Engineer.*** Performed structural analysis and design of a new two-story, steel-framed building with steel concentrically braced frames and a drilled concrete pier foundation.
- ***Portola Valley Town Center; City of Portola Valley; Portola Valley, CA; Project Engineer.*** Performed the structural analysis and design for this project, which consists of five new one-story, wood-framed buildings with wood shear walls and concrete spread footings: a Town Hall, Community Hall, Library, Maintenance Building, and Restroom Building.
- ***Olympic City Club Renovation; Olympic City Club; San Francisco, CA; Project Engineer.*** Performed the structural analysis for the retrofit and seismic upgrade of a ten-story, concrete building with new concrete shear walls.
- ***Contra Costa Community College Evaluations; San Pablo, CA; Project Engineer.*** Performed preliminary seismic evaluations of 15 buildings on the college campus to identify seismic deficiencies using ASCE 31.
- ***Cañada College Buildings 16, 17, and 18 Renovations; Redwood City, CA; Project Engineer.*** Provided structural design support for renovations and improvements to existing concrete buildings.
- ***Latimer Hall Seismic Upgrade, University of California at Berkeley; Berkeley, CA; Project Engineer.*** Performed structural analysis and design of seismic retrofit of an 11-story concrete building with shear walls in one direction and concrete moment frames in the other direction***.***
- ***Fremont Fire Stations Evaluations; Fremont, CA; Project Engineer.*** Performed seismic evaluation of fire stations to identify deficiencies and retrofit options.

Paul Giorsetto, P.E., LEED AP
Vice President

Education
MBA, University of CA, Berkeley, 1988
MS, Electrical Engineering and Computer Science; University of CA, Berkeley; 1980
BS, Electrical Engineering and Computer Science; University of CA, Berkeley; 1978

Professional Registrations
Electrical: CA, WA, NV, HI, WY, CO, OR, AZ, ID, AK
PE: UT, NM, WI, OH
Control Systems: CA
LEED Accredited Professional

Professional Memberships
Institute of Electrical and Electronics Engineers
Instrumentation, Systems, and Automation Soc.

Experience

Paul Giorsetto, a licensed engineer since 1984, has extensive design experience in the areas of electrical power distribution, electrical industrial applications, control systems, and instrumentation. His specific experience includes electrical system modeling and planning; medium- and low-voltage electrical distribution designs of water, wastewater and industrial waste treatment facilities; plant instrumentation; and SCADA systems for in-plant and telemetry-based systems. He also has significant experience in construction services, as a resident engineer and inspector, and during facility startup.

Mr. Giorsetto has been the electrical and/or discipline lead on numerous large water and wastewater design projects, and has been a project manager on stand-alone control system and electrical design projects having construction costs in excess of $3 million. He has acted as project manager on several stand-alone electrical and instrumentation and controls (I&C) design-build projects.

- ***Rinconada WTP Reliability Improvement Project; Santa Clara Valley Water District; Los Gatos, CA; I&C and Electrical Discipline Lead.*** Oversaw the electrical engineering and control systems designs for the $180 million WTP modernization. This project incorporates capacity increases to raise plant output to 100 mgd and incorporates new ozone treatment trains, multiple new and retrofitted chemical systems, filters, and floc-sed basins. The design was developed to maintain the plant in operation throughout the estimated 5-year construction period. Design included new 12-kV distribution, arc flash protection strategies, a new 3-MW diesel standby generator, and new distributed motor control centers with smart motor starters and variable frequency drive (VFD) equipment. I&C design incorporated a new distributed programmable logic controller (PLC) architecture coordinated with construction phasing and new processes. Final design included over 400 electrical and I&C design drawings.

- ***Residuals Management Project (RMP); Rinconada WTP, Santa Clara Valley Water District, Los Gatos, CA; I&C and Electrical Discipline Lead.*** TJCAA discipline task leader for I&C and electrical discipline designs for the RMP effort. The project included new solids handling processes including gravity thickeners, polymer chemical systems, centrifuges, supporting feed pump stations, and sludge conveyance systems. TJCAA prepared final design documents for project elements including a new 1,500-kVA unit substation, motor control centers, fiber optic cable allocations for control network and communication systems, new distributed (redundant) PLC, and lighting designs. The electrical design included provisions for future double-ended substation, smart motors starters and VFDs, and integration of supplier-furnished, packaged conveyor and centrifuge systems.

- ***Digester 1 and 2 and FOG Facility; City of Sunnyvale Water Pollution Control Plant, Sunnyvale, CA; Control System Engineer.*** Provided the I&C system design for rehabilitation of two existing digesters and a new FOG disposal facility at the City of Sunnyvale's WWTP. Work included replacement of the existing OPTO 22-based control platform over to an existing Allen-Bradley based ControlLogix PLC.

- ***Cogeneration Electrical Improvements and Service Relocation Project; Dublin San Ramon Services District, Pleasanton CA; Project Engineer and TJCAA Project Manager.*** Performed preliminary and final design services for improvements to and expansion of the WWTP electrical distribution and cogeneration facility. This project relocated the WWTP existing 21-kV PG&E service, replaced existing cogeneration control/switchgear, and added a third cogeneration unit, resulting in a total internal generation capacity in excess of 2 MW. Project work included coordinating necessary facility improvements for power export capability to PG&E, new PG&E primary service, new networked engine-generator controls, and upgrades to several 480-V and 21-kV switchgear. TJCAA assisted the District with engineering services during construction.
- ***Sobrante and USL WTP Electrical Studies; East Bay Municipal Utilities District, Oakland, CA. Electrical Engineer.*** Performing electrical system modeling using SKM PowerTools© at two existing WTPs in the San Francisco Bay Area. This work is part of the District's Ozone Replacement Project at these two sites. Modeling and simulations are addressing several issues of concern to the District: updating the existing facility's arc flash study to meet requirements of NFPA 70E, identifying potential methods to reduce arc flash hazards to Category 2 or lower, and developing harmonic distortion models that can be used to specify power quality criteria for the new ozone equipment. This task included field inventories of existing electrical equipment to update the District's current model, revisiting previous short circuit, coordination studies, arc flash calculations, and data logging of harmonic distortion levels over a 5-week period. The intent of the data logging was to establish power quality criteria of the existing system to assist the design engineering group specifying the new pre-purchased ozone generation equipment.
- ***SCADA System Master Plan and Standards Development; Union Sanitary District (USD); Fremont, CA; Control System Engineer.*** Assisted in the technical development of the SCADA Master Planning document providing a road map for USD SCADA system improvements over the next 10 years. The Master Planning process included reconnaissance, interviews with staff, development of potential projects (including costs), review and selection of projects, and projection of annual budget impacts. TJCAA also lead the effort to develop several technical standard documents for the USD engineering and project managers under the same project scope. Standards were developed addressing PLC programming, SCADA/human-machine interface software, field instrumentation, control panels, and I&C design methods.
- ***Stevenson Communication Tower; Union Sanitary District; Fremont, CA; Project Manager.*** Prepared final design documents for a proposed 100 to 120-foot communications tower for the USD remote site high-speed communications network based on 18-GHz microwave radios. The microwave communication scheme would provide the communication backbone between USD's WWTP and pump and lift stations in the District's southern service area. Work included performing site geotechnical assessment; preparation of site civil design; design of communication tower structural pier foundation, electrical improvements, and installation of owner-furnished communications equipment; and preparation of communication tower specification (deferred submittal). Final design documents are being held for potential bidding by USD in the future, pending results negotiations with AT&T for high-speed fiber optic services.
- ***WWTP Arc Flash Study Updates; Dublin San Ramon Services District, Pleasanton, CA; TJCAA Project Manager.*** Project manager for expanding and updating the existing arc flash study for a WWTP. The arc flash effort included field reconnaissance to verify existing equipment and integration of the acquired data into the District's partial model (built under the SKM PowerTools© software) to produce a comprehensive electrical model of the WWTP electrical distribution system. Additional

modeling included coordination studies, arc flash calculations, and load flow simulations for determining the conceptual feasibility of DSRSD participation in PG&E's Demand Reduction Program.

- ***Pump Station 2C Electrical Improvements; Dublin San Ramon Services District, Pleasanton, CA; TJCAA Project Manager.*** Project manager for replacing the existing electrical equipment at DSRSD's Station 2C. Electrical design work included new utility service, pump controls, portable standby generator connection, and new RTU and radio equipment. Specifications were developed for pre-purchase of the critical electrical equipment with subsequent installation by an installation contractor. This project also included an arc flash analysis of the final system using parameters of the pre-purchased equipment.
- ***WWTP VFD Replacement Project; Dublin San Ramon Services District, Pleasanton, CA; TJCAA Project Manager.*** Project manager for replacement of 14 VFDs at a WWTP. The existing VFDs serve a variety of critical plant pumping loads including influent, return activated sludge, effluent, and the DSRSD-EBMUD Recycled Water Authority. The existing drives are a variety of ages and technologies, all having reached the end of their useful lives. Spare parts have become difficult to procure, jeopardizing reliability and making maintenance increasingly difficult. The design aspects required review of the existing pumping loads that identified additional constraints due to smaller-than-anticipated feeder conductors. An additional design requirement was that the contract documents be configured to allow groups of drives to be issued as individual bid packages, to better match the work with DSRSD's Capital Improvement Plan.
- ***Blending Facility Telecommunications Project; Alameda County Water District, Fremont CA; Project Manager***. Project Manager for TJCAA, as prime consultant performing planning and conceptual design for a high-speed communications backbone for the ACWD's SCADA and LAN communications networks. This project was initially configured around a 140-foot (nominal) microwave tower located at the ACWD's Blending Facility and surrounded by a residential neighborhood. To mitigate potential public concerns, TJCAA assisted ACWD in establishing functional requirements for the new system. Following this step, feasible alternatives were identified in an effort to either justify the need for the tower or determine an alternative that could perform with similar functionality. Working with ACWD technical staff and other internal stakeholders, TJCAA identified an alternative approach based on a 20-foot mast at the Blending Facility with a repeater located on a nearby ridge. TJCAA also supported the project effort with technical development of the microwave communications and preparation of the necessary project environmental (CEQA) documentation.
- ***SCADA System Integrator Projects FY2013–14 and FY 2014–2016; Contra Costa Water District, Concord, CA; Principal-In-Charge***. Acting as system integrator for CCWD SCADA projects. Provided assistance with development of panel I/O requirements, system PLC programming (Modicon Unity), human-machine interface graphic preparation (Telvent and WonderWare), coordination with construction contractors, and development of as-built documentation. Work included SCADA-related tasks on a variety of CCWD capital improvement projects including new chlorination boosters, storage tank upgrades, a new wireless I/O installation at the sludge drying beds at CCWD's Randall-Bold WTP, a new control system interface to replacement ozone destruct equipment, and a new control system interface to the UPS system installed at the CCWD Bisso Lane Engineering Headquarters and other capital improvement projects.
- ***Arc Flash Implementation; Central Contra Costa Sanitation District, Martinez, CA; Project Manager.*** Prepared an arc flash implementation strategy for the District that included reviews of previous arc flash and electrical improvement studies, field

verification of hazard mitigation techniques, development of standard criteria for arc flash hazard identification and field labeling, and preparation of a standardized facility graphic for communication of arc flash conditions to District electricians.

- ***Graham Hill WTP Electrical Improvements Project; City of Santa Cruz Water Department, Santa Cruz, CA; Project Engineer and TJCAA Project Manager.*** Renovation, expansion, and improvements to the electrical distribution system at the City's main Graham Hill WTP. This project included verification and design validation to establish the conceptual approach. Final design for upgrades to the electrical system included a new utility 21-kV primary service, 480-V main-tie-main switchgear with source transfer logic, remote switchgear console for arc-flash considerations, 1,500-kW engine-generator set, and a dedicated electrical building.
- ***SCADA System Improvements; Marina Coast Water District, Marina CA; Project Manager.*** Developed SCADA system rehabilitation, implementation, and standardization strategies. The existing system suffered from a variety of chronic radio system failures, poor remote site component performance, absence of standardization strategies, and lack of hardware or software documentation procedures. This effort included development of standardized RTU bid specifications for new construction, associated submittal requirements, radio path analysis for converting from 900-MHz unlicensed to 450-MHz licensed radios, control strategy and programming standards, and "quick fix" design for addressing system failure symptoms before development of a systemwide Master Plan.
- ***SCADA Telemetry Upgrade Project; Contra Costa Water District, Concord, CA Project Manager.*** Prepared comprehensive predesign analyses and report for development of alternatives for remote site radio and PLC equipment, new multiple address system radios, new point-to-point and high bandwidth backbone communication links, and secure MPLS strategy as a standby strategy for routing telemetry SCADA data to CCWD servers. This project also included development of RFQ and RFP documents for execution of a design/build procurement strategy by CCWD for both the telemetry equipment and new server equipment being installed at the Randall-Bold WTP.
- ***Diemer WTP, Electrical System Reliability Analysis (Electrical Master Plan); Yorba Linda, CA.*** Performed reliability analysis of the existing 40-year-old electrical system at the Diemer WTP in Yorba Linda. This project included field investigations, review of existing documentation, and application of client's reliability criteria as it related to the electrical distribution system. This work also included development of a final report with recommendations for system improvements and for integrating the work with ongoing planning and design projects.
- ***Pacheco Pumping Plant Adjustable Speed Drive Replacement Project; Santa Clara Valley Water District, Santa Clara, CA; Lead Instrumentation Engineer, Project QA/QC, and TJCAA Project Manager***. This project included replacement of 12 existing, 2,000-hp, 5-kV, wound-rotor motor speed controls with new PWM Adjustable Speed Drives. Work included analysis of drive technologies, review of prequalification and procurement delivery methods, control system interfaces to large drives, and modifications to the existing controls to support interim operation of parallel control systems for the multi-year construction cycle. TJCAA assisted SCVWD with engineering services during construction.
- ***1630 Pump Station Project; Cucamonga Valley Water District, Rancho Cucamonga, CA; TJCAA Project Manager.*** New pump station executed as a joint effort between CVWD and the Inland Empire Utilities District. Project management tasks included prime consultant responsibilities for all support disciplines: structural architectural, building mechanical, electrical, and I&C. The new pump station included a new building structure, building mechanical systems, new electrical (SCE) service, and

control system coordination for secure extra-agency data exchange. Project requirements included a pre-purchase process to expedite procurement and ensure commonality of provided equipment.

- ***Basin Improvements Project; Inland Empire Utilities Agency, Chino Hills CA; Project I&C Engineer.*** Design of improvements for several groundwater replenishment basins and water supply turnouts, including definition of project requirements and final design. Work included development of a scheme for expansion to the existing radio-based telemetry system, solar powered remote facilities, and subnetworking local radio communications. The water supply turnouts are from the Metropolitan Water District's (MWD's) existing pipeline system for replenishment basin water supply from the MWD system, and were required to conform to MWD technical standards.
- ***SCADA System Intertie Study; City of Upland, CA; Project Manager/Project Engineer.*** Prepared feasibility planning study for integrating the City's water system monitoring SCADA system with the neighboring San Antonio Water Company's SCADA system. The two systems, while separate from an organizational perspective, each had certain assets that span between the two groups, including groundwater wells, reservoirs, well head chlorination facilities, and WTPs. The study developed an integration method that was coordinated with the two SCADA systems to allow necessary exchange of data while addressing staffing, maintenance, security, and implementation methods and cost.
- ***Pressure Zones 2 and 3 Pump Station Improvements; Dublin San Ramon Services District, Pleasanton, CA; Project Engineer and TJCAA Project Manager.*** Project Lead electrical and I&C engineer for preliminary design, final design, and construction services for electrical and mechanical renovations at four drinking water pump stations. Work included field inspections, conceptual approaches, use of reduced voltage starters for hydraulic surge control, replacement of all electrical equipment, and interfacing to DSRSD's radio-based SCADA system. This project also resulted in relocating several PG&E service points at each pump station and developing bid documents to incorporate a sole-sourced DSRSD programmer for performing SCADA system upgrades.
- ***Bisso O&M/Administration Buildings Emergency Generator Project; Contra Costa Water District, Concord, CA; Project Manager***. Performed a detailed review and design of a standby generator retrofit to an existing electrical system. The 400-kW diesel generator was required to conform to EPA Tier 3 emission requirements, and the design process, which featured a user group approach for gaining client input, also addressed the need for uninterrupted service and minimal impact on day-to-day operations during construction.
- ***Skinner WTP; Metropolitan Water District, Riverside CA; Electrical and I&C Task Leader.*** Designed renovation of existing medium-voltage distribution, including a new 33-kV SCE service, new 4.16-kV main switchgear, addition of a 1.75-MW standby generator, and campus style unit substations as part of the $180 million plant upgrade. The design incorporated strict criteria for power supply switchover to the new SCE service and system controls for the standby generator addition with multiple main-tie-main circuit breakers. The project also included a fiber optic network, electrical power modeling, and electrical distribution and lighting design. I&C design included development of P&IDs for the facility including MWD-furnished ozone system equipment, 144-inch raw water metering, control narrative development, integration into the existing MWD control system, development of software interface protocols, and detailed I&C design for the plant improvements.

- ***Groundwater Replenishment System; Orange County Water District, Fountain Valley, CA; Electrical and I&C Task Leader.*** Designed electrical and I&C components. I&C design elements included application of P&IDs, design of bus-based I&C system using Foundation Fieldbus and DeviceNet, and a distributed control system preselection effort resulting in selection of an Emerson DeltaV process control system platform. Electrical aspects of the project included integrating the bus-based control system, a new 66-kV substation, 12-kV in-plant distribution, and large-scale application of VFDs, with over 30 units ranging in size from 500 to 2,500 hp using active front-end technologies.
- ***Walnut Creek WTP Upgrades; East Bay Municipal Utilities District, Walnut Creek, CA; Lead Electrical Design Engineer.*** Designed electrical elements for a plant expansion, including a renovation of the plant's electrical distribution system, new service substation, standby power system, medium- and low-voltage plant distribution, and facility/building electrical designs.
- ***Bollman 5-kV System Upgrade Project; Contra Costa Water District, Concord, CA; Project Manager.*** Design of an upgrade to the 5-kV distribution system and large motor (up to 1,500 hp) starters and controls. The design for the $3 million construction project was delivered on time and under budget.
- ***Electrical Rehabilitation Project; National Park Service, Yosemite National Park, Yosemite, CA; Lead Electrical/Project Engineer.*** Designed a rehabilitation of the electrical distribution system for Yosemite National Park. This project required that all concepts and designs be performed within the strict environmental and aesthetic criteria of the National Park Service, and involved designing an electrical substation constructed in a structure listed on the National Register of Historic Places.
- ***WWTP Electrical System Design; Salalah, Oman; Lead Electrical Design Engineer.*** Designed WWTP electrical systems. The design, which featured adaptation of United States design techniques to British Standards and Codes, also included extensive medium-voltage distribution (11,000 V) and motor utilization voltage (3,300 V), low-voltage distribution at 415 V, motor control, a standby generator, and a distribution system applied to a campus-style plant configuration.
- ***Electrical System Design Studies.*** Completed electrical system planning studies for both new and retrofit projects. These studies developed feasible alternatives and recommendations for the electrical system design and included efficiency analyses, generation studies, load studies, short circuit analyses, and harmonic mitigation. Projects include analyses for Skinner WTP for MWD, Diemer WTP for MWD, main WWTP for Dublin-San Ramon Services District, Santa Clara Valley Water District, Ventura Water Reclamation Facility, GWRS for Orange County Water District, and EBMUD Walnut Creek WTP.
- ***Control System Master Plans.*** Directed the development of control system and SCADA master plans for Orange County Water District, the City of San Mateo, and The City of San Diego Miramar WTP. These control system master plans reviewed data requirements for operations, engineering, and maintenance staff, and covered control system technology, methods for providing data, and implementation feasibility.

Publications and Presentations

"Electrical Fundamentals for Water Distribution and Treatment Facilities," presented at Contra Costa Water District, June 23, 2011.

"Wireless Applications in the Water and Wastewater Industries," presented at the American Water Works Association, Fall 2007 Conference,

"SCADA and Asset Management," presented at the California Water and Environment Association, SCADA and Communications Systems Technology Seminar, April 3, 2003.

"SCADA Systems: The Physical Layer," presented at the Santa Ana River Basins Section of the California Water Environment Association, SCADA and Data Management Seminar, March 13, 2002.

"Instrumentation and SCADA Systems, an Overview," presented at the North Carolina AWWA/WEA Seminar on Instrumentation for Water and Wastewater Systems, July 12, 2000.

Michael J. Erwin, P.E.
Principal

Education

BS, Electrical Engineering; San Diego State University; 1986

Professional Registration

Electrical: CA

Professional Memberships

Instrumentation, Systems, and Automation Society

American Water Works Association

Experience

Michael Erwin, who heads up TJCAA's Control Systems Programming group, has been building valuable experience since 1986 in the design, implementation, and management of electrical power, control, automation, and instrumentation systems. He performs electrical design engineering for water and wastewater treatment facilities, collection and distribution systems, and industrial facilities, focusing on instrumentation and control system design and programming. His specific experience includes development of power calculations, protective device coordination, equipment specification, instrument selection, and control panel fabrication design; design of SCADA systems for in-plant and telemetry-based systems; and PLC programming.

Mr. Erwin has hands-on familiarity with a wide variety of PLC and SCADA hardware and software platforms, including Rockwell Automation, Schneider Electric, and GE Intelligent Platforms. He gained his extensive experience not only as a consultant, but also as chief engineer and project manager for a Northern California systems integrator. With this understanding of the water/wastewater, control system, and construction industries, he emphasizes constructability and focuses on systems that feature maximum operator usability and efficiency. His experience includes the following:

- ***Treatment Plant 2 PLC Upgrade Project; Alameda County Water District; Project Manager/Lead Programmer.*** Treatment Plant 2 was built in 1993 and included four Modicon 984-785 PLC systems, three of which were hot-standby PLCs. Michael Erwin was one of the PLC programmers on the original 1993 project. The PLC upgrade project involved converting the original Modicon 984 PLC programs to the latest version of Schneider Electric's Unity software and testing and commissioning new Quantum Unity PLC systems to replace the existing PLCs. The programming work included development of new ACWD-defined function blocks, conversion of the LL984 ladder for plant control functions, and thoroughly bench-testing all aspects of the new program before installation and testing in the field.

- ***Oro Loma Effluent Pump Station Control System Upgrade Project; East Bay Dischargers Authority, San Lorenzo, CA; Project Manager/Programmer.*** The Oro Loma Effluent Pump Station collects treated wastewater from Hayward, San Leandro, San Lorenzo, Castro Valley, and Union City and pumps the treated water through a dechlorination station and into San Francisco Bay. The pump station consists of two 350-hp electric pumps on variable frequency drives (VFDs) and two 1,200-hp diesel driven pumps, and has a pumping capacity of over 200 mgd. The first phase of the project involved development of a control system design package to replace three existing Automation Direct PLCs and two Woodward engine controllers with two Quantum Unity PLCs that provided parallel control to two pumps each. In the second phase of the project TJCAA developed the new Unity PLC control programs and configured the plant's existing Wonderware system to monitor the control of the pump station.

- ***WTP PLC Upgrade Project; City of Benicia, CA; Project Manager/Programmer.*** The Main PLC at the City's WTP had become obsolete and difficult to maintain. In addition, multiple undocumented changes had been made over the past 15 years while the City's maintenance staff was keeping the system operating reliably. The project included field verifying and "as-building" the existing PLC control panel, developing a bid set of documents for replacement of the PLC control panel, and programming the new GE RX3i PLC to improve performance of some treatment processes and a fully documented PLC control program. Because the plant was in operation, the installation team had only 24 hours to remove the existing PLC panel, install the new panel, and bring the plant's primary processes back into operation. Not only was the installation completed on time, the plant was back in full automated operation within 32 hours of the initial plant shutdown.
- ***Rinconada WTP Reliability Improvement Project; Santa Clara Valley Water District; Los Gatos, CA; Lead I&C Engineer.*** Oversaw the electrical engineering and control systems design work for the $180 million WTP modernization. This project incorporates capacity increases to raise plant output to 100 mgd and incorporates new ozone treatment trains, multiple new and retrofitted chemical systems, filters, and floc-sed basins. The design was developed to maintain the plant in operation throughout the estimated 5-year construction period. Design included new 12-kV distribution, arc flash protection strategies, a new 3-MW diesel standby generator, and new distributed motor control centers with smart motor starters and VFD equipment. I&C design incorporated a new distributed PLC architecture coordinated with construction phasing and new processes. Final design included over 400 electrical, instrumentation, and controls design drawings.
- ***WWTP; City of Malibu, CA; I&C and Electrical Discipline Lead.*** Lead I&C and electrical engineer for new greenfield WWTP and collection system pump stations for City of Malibu. This project included new SCE service, secondary selective 480-V distribution for reliability, standby generation, and local motor controls. The I&C design incorporated distributed controls based on PLCs and integration of control platforms provided by process package suppliers.
- ***Montclair Lift Station; Inland Empire Utilities Agency, Chino Hills, CA; Lead I&C and Electrical Engineer.*** Design of an electrical system replacement, including distribution equipment, VFDs, and PLC control panel, with a new system using redundant ControlLogix PLCs. The project design required a phased installation sequence to maintain continuous operation during construction.
- ***SCADA System Integrator Projects FY2013-14 and FY 2014-2016; Contra Costa Water District, Concord, CA; Project Manager***. Acting as system integrator for CCWD SCADA projects. Provided assistance with development of panel I/O requirements, system PLC programming (Modicon Unity), human-machine interface graphic preparation (Telvent and Wonderware), coordination with construction contractors, and development of as-built documentation. This work included SCADA-related tasks on a variety of CCWD capital improvement projects including new chlorination boosters, storage tank upgrades, a new wireless I/O installation at the sludge drying beds at CCWD's Randall-Bold WTP, a new control system interface to replacement ozone destruct equipment, and a new control system interface to the UPS system installed at the CCWD Bisso Lane Engineering Headquarters and other capital improvement projects.
- ***Well 2 PLC Program Upgrade; Bella Vista Water District, Redding, CA; Lead Programmer.*** Performed an update of the well site PLC program to meet BVWD programming standards and organization, add residual chlorine monitoring, and improve the automated backwash sequence.

- ***Lincoln Pump Station; City of Stockton, CA; Project Manager and Lead Programmer.*** Control system design for a new pump station with three lift pumps, VFDs, PLC controls, and integration into the city's existing telemetry/SCADA system.
- ***Water Distribution System SCADA Upgrade; San Juan Water District, Granite Bay, CA; Project Engineer.*** Hardware and software upgrades from an existing proprietary control system to a new Allen-Bradley PLC and Wonderware-based SCADA system. Eight major PLC panels were replaced at the WTP using AB CompactLogix PLCs on a fiber optic Ethernet network. A combination of 900-MHz and 2,400-MHz spread spectrum Ethernet radio networks was used for control and monitoring of 6 pump stations, 3 tank sites, and 17 flow metering sites. An Intouch SCADA application was deployed on redundant virtual servers and redundant historian servers with thin-clients distributed throughout the treatment plant and the major pump stations. Execution of this project had to be performed with minimal plant shutdowns, and installation had to be performed using existing field wiring—the design included provisions for complete panel replacement and termination in less than 24 hours.
- ***WWTP Expansion with New Control System; City of Delano, CA; Project Manager/Lead Programmer.*** Control system design, PLC program development, and SCADA programming for the expansion. The project included selection and integration of new instrumentation throughout the facility, seven new PLC control panels with Rockwell Automation ControlLogix controllers, a managed fiber optic Ethernet network, and a Wonderware Archestra SCADA system with an Intouch HMI, SCADAlarm alarm dialer package, and reporting software.
- ***WTP Expansion; Bella Vista Water District, Redding, CA; Project Manager/Lead Programmer.*** Upgrades to the raw water pump station, WTP, and 10 remote pump stations and well sites. Worked directly with the District to design and implement new control strategies and update the process to meet all California drinking water standards. Upgrades included new PLC programs for the raw water, filter plant, and telemetry GE Fanuc 90-30 PLC systems and a new Intellution iFix SCADA system with redundant SCADA servers and two remote view nodes.

Publications and Presentations

"Planning for the Replacement of Your Obsolete PLC System," American Water Works Association Water Education Seminar, August 2015.

"Diplomacy – Dealing with Customers, Owners, Engineers, and Vendors," presented quarterly at MCC Control Systems, 2004–2010.

"The Specifics – Reading, Understanding, and Implementing Specifications," presented quarterly at MCC Control Systems, 2004–2010.

Education

BS, Electrical Engineering; University of CA, Davis; 2003

Professional Registrations

Electrical: CA

Professional Memberships

Institute of Electrical and Electronic Engineers (IEEE)

Instrumentation, Systems, and Automation Society

Elaine M. Tee, P.E.

Electrical Engineer

Experience

Ms. Tee's experience includes instrumentation, controls, and electrical design and fieldwork for municipal water/wastewater, industrial, commercial, and traffic applications. Her experience in design includes power distribution, P&ID development, motor controls, lighting, and cost estimating. Ms. Tee has also supervised and performed onsite facility inspections and has provided construction and field services for several facilities and expansion projects.

As an engineer for TJCAA, Ms. Tee performs instrumentation, control, and electrical design for water and wastewater treatment, distribution, and pumping facilities. She performs detailed designs for all aspects of industrial electrical and control systems, including low-voltage (480-V) electrical distribution and motor control, lighting and facility electrical systems, motor controls, and automated instrumentation and control systems.

Ms. Tee's specific experience includes the following:

- ***Sobrante and Upper San Leandro WTPs Ozone System Improvements; EBMUD; El Sobrante and Oakland, CA; Project Engineer.*** Performed power systems analysis on existing electrical distribution systems and proposed new/modified electrical distribution systems. Confirmed as-built drawings, existing plans and reports, plant operational data, and water quality data. Performed field investigations to gather electrical data and record existing conditions. Obtained utility system data and performed short circuit analyses, device evaluation, system protection and coordination study, arc flash study, load flow study, and harmonic analysis. Provided a flicker and power quality assessment for 12-kV and 480-V power systems. Provided field data logging devices to monitor field power and harmonic conditions and model power analyses. Prepared an arc flash implementation strategy that included reviews of previous arc flash studies and electrical improvement studies, field verification of hazard mitigation techniques, development of standard criteria for arc flash hazard identification, and field component labeling.

- ***Primary Service Review, San Mateo WWTP; City of San Mateo, CA; Project Engineer.*** Preliminary design review to upgrade the plant incoming electrical primary service including capacity and relocation of existing equipment, which had been installed over an open, below-grade cable trench subject to tidal filling with brackish water. The existing equipment was on questionable soil subject to potential liquefaction during seismic events. Evaluated several siting and equipment configuration alternatives and prepared a comprehensive Preliminary Design Report addressing the primary service installation with respect to the plant's existing cogeneration generators and the facility's Interconnection Agreement with PG&E. The report also reviewed the structural aspects of the equipment layout and foundation options to mitigate soil conditions as well as accessibility, both during construction and final installation to minimize impacts on operations.

- ***SCADA Telemetry Upgrade Project; Contra Costa Water District; Concord, CA; Project Engineer.*** Prepared comprehensive predesign analyses and report for development of alternatives for remote site radio and PLC equipment, new multiple address system radios, new point-to-point and high-bandwidth backbone communication links, and secure MPLS strategy as a standby strategy for routing telemetry SCADA data to servers. This project also included development of RFQ and RFP documents for execution of a design/build procurement strategy for both the telemetry equipment and new server equipment being installed at the Randall-Bold WTP.
- ***WWTP; Sunnyslope County Water District; Hollister, CA; Project Engineer.*** I&C and Electrical project engineer for new greenfield wastewater treatment facility. Project included predesign, new sequence batch reactor system preselection process, and full plant design. Design responsibilities included complete P&IDs, coordination of process control system strategies, control system architecture, power distribution, lighting, site electrical, and new utility service.
- ***Graham Hill WTP Electrical Improvements Project; City of Santa Cruz Water Department; Santa Cruz, CA; Project Engineer.*** Renovation, expansion and improvements to the electrical distribution system at the City's main Graham Hill WTP. Project included verification and design validation to establish the conceptual approach. Final design for upgrades to the electrical system included a new utility 21-kV primary service; 480-V, main-tie-main switchgear with source transfer logic; remote switchgear console for arc-flash considerations; 1,500-kW engine-generator set; and a dedicated electrical building for housing the electrical components.
- ***Cogeneration Electrical Improvements and Service Relocation Project; Dublin San Ramon Services District; Pleasanton CA; Project Engineer and TJCAA Project Manager.*** Performed preliminary and final design services for improvements to and expansion of the WWTP electrical distribution and cogeneration facility. Project includes relocation of the WWTP existing 21-kV PG&E service, replacing existing cogeneration control/switchgear, and adding a third cogeneration unit to the facility, resulting in a total internal generation capacity in excess of 2 MW. Work included coordinating necessary facility improvements for power export capability to PG&E, new PG&E primary service, new networked engine-generator controls, and upgrades to 480-V and 21-kV switchgear.
- ***Pressure Zones 2 and 3 Pump Station Improvements; Dublin San Ramon Services District; Pleasanton, CA; Electrical Engineer.*** Work included field inspections, development of conceptual approaches, use of reduced voltage starters for hydraulic surge control, replacement of all electrical equipment, and interfacing to the District's radio-based SCADA system. Project also resulted in relocating several PG&E service points at each pump station and developing bid documents to incorporate a sole-sourced District programmer for performing SCADA system upgrades.
- ***San Antonio Spreading Grounds Conjunctive Use Project; Three Valleys Municipal Water District; Claremont, CA; Electrical Engineer.*** Performed instrumentation, control, SCADA, and electrical (ICE) design for a new, on-site variable frequency drive-controlled well pump and improvements to spreading ground basins located on site at the Three Valleys Municipal Water District's Miramar WTP.
- ***Calistoga WTP Improvements Project; City of Calistoga, CA; Lead Electrical Engineer.*** Developed detailed electrical design documents for pressure filter-based treatment facility for the City's main WTP. Work included expansion of existing motor control systems, integration with the existing control system, and addition of multiple water quality monitoring instrumentation onto a centralized water quality monitoring panel.

- ***Bisso O&M/Administration Buildings Emergency Generator Project; Contra Costa Water District; Concord, CA; Staff Engineer***. Performed a detailed review and design of a standby generator retrofit to an existing electrical system. The 400-kW diesel generator was required to conform to EPA Tier 3 emission requirements, and the design process, which featured a user group approach for gaining client input, also addressed the need for uninterrupted service and minimal impact on day-to-day operations during construction.
- ***Lake View Pump Station Upgrade Project; City of Redwood City, CA; Electrical Engineer.*** Project electrical engineer for rehabilitation of an existing water distribution system pump station for the City of Redwood City, California. Project included retrofit of two variable frequency drives for existing 50-hp pumps and motors, relocated PG&E service drop, standby generator, and new modular building. Work also included relocation of existing telephone services, controls, telemetry panels, and pump station instrumentation.
- ***Bollman 5-kV Electrical System Upgrade Phase 1 and Phase 2; Contra Costa Water District; Concord, CA; Design and Field Engineer.*** Served as field inspector and primary contact for the District and the contractor for the Phase 1 project construction. Responsible for shop drawing management and review, responding to technical queries, providing engineering representation at construction coordination meetings, and performing electrical witness testing and inspections. Prepared design documents to complete the replacement of the facility medium- and low-voltage equipment.
- ***Skinner Filtration Plant Oxidation Retrofit Project; Metropolitan Water District of Southern California; Winchester, CA; Electrical Engineer.*** Design team member for the electrical and fire alarm systems, with responsibilities including electrical load analysis, bus rating calculations, other design tasks, and development of an Access-based circuit and conduit tracking database application used by the design team.

Publications and Presentations

"Wireless Applications in the Water/Wastewater Industry," presented at the American Water Works Association Fall Conference, October 2007.

BS, Electrical Engineering; California Polytechnic State University San Luis Obispo; 1994

Professional Registration

Electrical in CA

Eileen A. Nakamura, P.E.
Electrical Engineer

Experience

Eileen Nakamura is an electrical engineer with design experience in the areas of electrical power distribution, electrical industrial applications, control systems, and instrumentation. Her specific experience includes design of medium- and low-voltage electrical distribution systems for water, wastewater, and industrial waste treatment facilities; plant instrumentation; and SCADA systems for in-plant and telemetry-based systems. She also has experience in construction services during facility startup for design-build projects.

- ***Storm Drain Pump Station Project; The Cannery, City of Davis, CA; Electrical Designer.*** Performed electrical and I&C system design for a new pump station. The project involved power distribution equipment design, lighting design, control panel design and integration with the City's SCADA system. Provided plans, specifications, and engineering support during construction services.

- ***Agricultural Well Project; The Cannery, City of Davis, CA; Electrical Designer.*** Performed electrical and I&C system design for a new well site. The project involved power distribution equipment design, lighting design, control panel design and integration with the City's SCADA system. Provided plans, specifications, and engineering support during construction services.

- ***Rehabilitation of Anaerobic Digesters No. 1 and No. 2 and Improvements to No. 3 Project; Water Pollution Control Plant; Sunnyvale, CA; Electrical Designer.*** Performed control system design as part of the plant upgrade. The project involved connecting existing I/O points to a new control panel. Provided specification development, and PLC remote I/O control and instrumentation schedules.

- ***Rinconada WTP Reliability Improvement Project; Santa Clara Valley Water District; Los Gatos, CA; Electrical Designer***. Performed electrical engineering and control systems design as part of a $135 million WTP modernization. Provided services including electrical design of motor control schematics, circuiting, specification development, and I/O and instrumentation schedules. This project involves demolition and phased expansion of an 80-mgd plant while maintaining plant operations.

- ***Residuals Management Project; Rinconada WTP, Santa Clara Valley Water District, San Jose, CA; Electrical Designer.*** Assisted in the preparation of final design documents for project elements including design drawings, specifications, schedules, and QA/QC. Assisted in the preparation of detailed control loop descriptions for the control logic details incorporated into the design documents. This project included new solids handling systems, including centrifuges, waste conveyor systems, gravity thickeners, and chemical coagulant feed systems at the main WTP serving the western service area for the District.

- ***WWTP; City of Malibu, CA; Electrical Designer.*** Design and engineering support for construction services for WWTP and collection system pump stations for City of Malibu. This project includes new SCE service, secondary selective 480-V distribution for reliability, standby generation, and local motor controls. The I&C design incorporates distributed controls based on PLCs and integration of control platforms provided by process package suppliers.
- ***Diemer WTP, Electrical Power and Reliability Improvements, Preliminary Design; Metropolitan Water District (MWD), Yorba Linda, CA; Staff Engineer.*** Performed load analysis and evaluation of the original (1960 vintage) electrical distribution system. The intent of this study was to determine an approach for reallocation of existing loads to a split bus unit substation configuration matching current MWD standards. The goal of the upgrades was to improve plant reliability by removing single points of failure within the existing distribution system.
- ***Pump Stations for Zones 2 and 3 Renovation Project; Dublin San Ramon Services District, Pleasanton, CA; Staff Engineer.*** Performed construction support services for electrical, I&C, and mechanical renovations at six drinking water pump stations. This work included review of I&C and electrical shop drawings and responding to contractor-generated field requests for information. I&C shop drawing review included verification of conformance with DSRSD standard system integration requirements.
- ***Groundwater Replenishment System; Orange County Water District, Fountain Valley, CA.*** Completed electrical power system modeling studies. These studies included short circuit, load flow, coordination, and harmonic analyses. Electrical aspects of the project included a new 66-kV substation, 12-kV in-plant distribution, and large-scale variable frequency drives.
- ***Walnut Creek WTP Upgrades; East Bay Municipal Utility District, Walnut Creek, CA; Project Engineer for Operations and Filter Facilities.*** Developed project tracking system for the extended design team to manage budget and schedule. Designed electrical elements for plant expansion, including medium- and low-voltage plant distribution and facility/building electrical designs.
- ***West Basin Water Recycling Plant Expansion; West Basin Municipal Water District, El Segundo, CA.*** Completed electrical system design for design-build project. This project included plant expansion of reverse osmosis and high-pressure boiler feed clearwell. Electrical aspects of the project included 12-kV in-plant distribution and large-scale variable frequency drives. Provided support during construction.
- ***Sunol Valley WTP Upgrades; San Francisco Public Utilities Commission, Sunol, CA.*** Completed preliminary analysis and summary technical memorandum for recommended electrical system upgrades. Completed electrical final design for filter areas and renovated operations building.
- ***Glendale Groundwater Treatment Plant; Glendale Respondents Group, Glendale, CA.*** Developed PLC and SCADA system software programming for controlling the WTP and eight wellhead sites. This design-build project included procurement of all I&C system devices, fabrication of the control panels, applications engineering, integration, factory testing, field calibration and startup. Performed factory testing and field checkout, trained system operators, and developed Operations and Maintenance Manuals for new system as part of plant startup.

- ***Sparks Denitrification Project; Vista Canyon Group, Reno, NV.*** Completed a plant upgrade of the control system including PLC programming and SCADA configuration. This design-build project included integrating a new PLC and adding new SCADA monitoring screens to the existing system. Provided field support, startup, and training through project completion.
- ***Fresno Sanitary Landfill Groundwater Remediation Project; City of Fresno, CA; Electrical and Instrumentation Design Engineer.*** Completed electrical and I&C design of a groundwater treatment plant for monitoring and testing at the Fresno Sanitary Landfill. The design included extraction wells and maintained compliance with the requirements of the Environmental Protection Agency and The City of Fresno. Provided construction support services through project completion.

Jacqueline N. Okubo, P.E.
Electrical Engineer

Experience

Jacqueline Okubo, P.E. is an electrical engineer with a wide variety of experience in I&C and electrical design development and construction coordination. Her experience includes fiber optic cable allocation, electrical load studies, and P&ID layouts and development, including coordination with process engineers. She has developed equipment layouts and panel elevations, electrical plans, lighting, and detailed control loop descriptions.

Ms. Okubo has developed design documents and prepared feasibility studies and reports for several water and wastewater projects and clients. Her background also includes construction inspections and observation on international development projects in Kenya.

- ***Treatment Plant 2 PLC Upgrade Project; Alameda County Water District; Fremont, CA; Project Engineer.*** Developed programming for an upgrade of the 21-mgd WTP 2 PLC from an obsolete 984-series ProWorx PLC system to a modern Quantum Unity PLC system. Field-verified and updated PLC-related documentation including PLC wiring diagrams, system design narratives, and coordination spreadsheet. This project included programming and bench-testing the new system, which involved I/O testing, SCADA testing, and function testing.

- ***Wastewater Facilities Rehabilitation Project Phase 1; St. Helena Hospital; St. Helena, CA; Electrical Engineer.*** I&C and electrical project engineer for installation of headworks, lift station, and associated controls at a WWTP. This project includes electrical load, voltage drop, and electrical power distribution design, as well as the design of remote monitoring of the lift station pump controls to be incorporated into existing wireless communication.

- ***WWTP Electrical System Modeling; Dublin San Ramon Services District; Dublin, CA; Electrical Designer***. Field-verified plant conditions (fuse sizes, relay settings, and equipment ratings), and made final updates to the WWTP electrical system model. Performed modeling and power system studies using SKM PowerTools©, culminating in updated load flow, short circuit coordination, and arc flash analyses. This project included recommending additional equipment to improve electrical safety and establishing requirements for operation of plant in island mode to determine the conceptual feasibility of participation in Demand Reduction Programs.

- ***Sobrante and USL WTP Electrical Studies, East Bay Municipal Utilities District, Oakland, CA. Electrical System Modeler.*** Performing electrical system modeling using SKM PowerTools© at two existing WTPs in the San Francisco Bay Area as part of EBMUD's Ozone Replacement Project at these sites. Performing modeling and simulations to address several issues of concern. Updating the existing facility's arc flash study to meet NFPA 70E requirements, identifying potential methods to reduce arc flash hazards to category 2 or lower, and developing harmonic distortion models that can be used to mitigate power quality concerns related to the new ozone equipment.

Education

BS, Electrical Engineering; University of CA, Davis; 2012

Professional Registration

Electrical: CA

Professional Memberships

Institute of Electrical and Electronics Engineers

National Society of Black Engineers

- ***Stevenson Communication Tower; Union Sanitary District; Fremont, CA; Electrical Designer.*** Performed electrical design for a new 100-foot (nominal) communication tower, power, and microwave equipment to provide the necessary infrastructure to support the District's 18-GHz microwave high-speed communications network. The microwave communication scheme focuses on providing the communication backbone between the WWTP and pump and lift stations in Union Sanitary District's southern service area.
- ***Rinconada WTP Reliability Improvement Project; Santa Clara Valley Water District; Los Gatos, CA; Electrical Designer***. Performed electrical engineering and control systems design as part of a $135-million WTP modernization. Provided services including field investigation and load analysis. Facilitated coordination and tracking of over 400 electrical, instrumentation, and controls design drawings. This project involves demolition and phased expansion of an 80-mgd plant while maintaining plant operations.
- ***Electrical Reliability Study; Sewer Authority of Mid-Coastside (SAM); Half Moon Bay, CA; Electrical Designer.*** Prepared feasibility study for reliability improvements to the existing electrical distribution system at SAM's main WWTP, where existing electrical service and major electrical distribution equipment is in an area potentially subject to flooding, and is configured in a way that could result in a single point of failure of the electrical supply. Work included investigation of existing field conditions, site evaluations, development of alternatives, identification of new distribution strategies to eliminate single points of failure of the main service equipment, and preparation of a comprehensive report.
- ***Rinconada WTP Residuals Management Project; Santa Clara Valley Water District; Los Gatos, CA; Electrical Designer.*** Developed and assisted in the preparation of final design documents for project elements including fiber optic cable allocations for control network and communication systems, input/output (I/O) lists for PLCs, lighting designs, and conduit and cable schedules. Assisted in the preparation of detailed control loop descriptions for the control logic details incorporated into the design documents. Project included installation of new solids handling systems, including centrifuges, waste conveyor systems, gravity thickeners, and chemical coagulant feed systems at the main WTP serving the western service area of Santa Clara Valley Water District.
- ***Digester 1 and 2 and FOG Facility, Water Pollution Control Plant; City of Sunnyvale, CA; Electrical Designer.*** Assisted with the I&C system design for rehabilitation of two existing digesters and a new FOG disposal facility at the City of Sunnyvale's WWTP. Work included transfer of the existing OPTO 22-based control platform over to an existing Allen-Bradley based ControlLogix PLC. Ms. Okubo prepared and maintained the design P&IDs and system architecture diagrams throughout the design process, coordinating with process engineers to maintain the drawings through the various revisions stages of the project. Her responsibilities also included coordinating the project electrical control requirements, including coordination with site wiring and motor control schematics with the I&C documentation.
- ***Emergency Water Source; Purissima Hills Water District; Los Altos Hills, CA; Electrical Designer.*** This project included feasibility analysis of alternatives to provide an emergency water source after a natural disaster that potentially interrupted normal water supplies from the Hetch-Hetchy system. This project also included development and comparison of alternatives with various combinations of temporary pumping, generators, and manual/automatic control schemes. The approach required development of preliminary interconnection schemes that could be implemented by non-electricians to ensure a reliable water supply following an earthquake or other major event, and included assisting the District with developing cost effective approaches to balance the

cost of alternatives against reliability benefits and installation requirements.

- ***System Integrator Support; Contra Costa Water District; Concord, CA; Electrical Designer.*** This project included performing control system integration for a variety of design projects. System integration tasks included field verification and documentation of existing SCADA RTU panels and development of necessary upgrades to support specific project design modifications. Ms. Okubo developed new panel internal elevations detailing the components and equipment required. Panel layouts included internal power and signal distribution, component mounting locations, device designations, and RTU I/O requirements. Specific work at the Randall-Bold WTP Sludge Lagoon facility included incorporation of wireless I/O in a new panel layout for routing process information to the plant's central control location.
- ***Sewer Manhole Flowmeter Project; City of San Bruno, CA; Electrical Designer.*** Prepared summary report for electrical supply and remote telemetry monitoring for two new open channel flowmeters for the City of San Bruno. Work included feasibility review of manhole installation, coordination of conduit and cable routing in public thoroughfares, and comparison of remote telemetry alternatives for transmitting flow data to the Cities of San Bruno and South San Francisco

Client References

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TJCAA Experience Bank - Structural

TJCAA Structural Experience Bank																	
Project Description	**Service Areas**																
	Water Treatment	**Wastewater Treatment**	**Reservoir/Storage**	**Pump Station**	**Storm Water**	**Chemical Storage**	**Groundwater Wells**	**Water Transmission**	**Solid Waste**	**Industrial**	**Commercial**	**Buildings and Structures**	**Transportation**	**Svcs During Construction**	**Seismic Upgrades/Eval**	**Landslide Mitigation**	**Power Generation**
Santa Clara Valley Water District – Rinconada WTP Reliability Improvement Project. Structural design for a new ozone generation building, LOX facility, flocculation/sedimentation basins, filters, washwater recovery facility, chlorine contact basin, and an elevated concrete platform to support electrical equipment.	■											■		■			
Cucamonga Valley Water District – 1630 East Recycled Water Pump Station. Structural design of a 40'x74' concrete masonry unit pump station housing 5 pumps and an electrical room for equipment. Structure consisted of masonry slumpstone walls with metal truss pitched roof and asphalt shingles.				■													
Pasadena Water and Power – Temporary Structure Design at Arroyo Seco Canyon. Analysis and structural design of temporary bridges to carry construction equipment for the Arroyo Seco Canyon Project.					■							■					
City of Pleasanton – Vineyard Avenue Pump Station. Provided engineering and construction services for the design of a 2,176–sq. ft. concrete masonry unit pump station/electrical building on a constricted site with strict architectural/aesthetic requirements.				■										■			
Ironhouse Sanitary District – Ironhouse WWTP Expansion Project. Structural design of a 9-mgd expansion, including an influent pump station, headworks, anoxic/aeration basins, membrane bioreactors, backpulse tank, blower/electrical/generator/chemical building, UV/Effluent pump station, and a solids handling building.		■		■		■											
City of Santa Cruz – Graham Hill Water Treatment Plant. Design of electrical building.	■													■			
Napa Sanitation District – Recycled Water Pipeline and Pump Station Design. Design of booster pump station and support structures for pipeline crossings.				■				■									
Wochholz Wastewater Treatment Plant – Improved Effluent Salinity Project. Designed new loading dock and chemical storage areas.		■				■											

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	Water Treatment	**Wastewater Treatment**	**Reservoir/Storage**	**Pump Station**	**Storm Water**	**Chemical Storage**	**Groundwater Wells**	**Water Transmission**	**Solid Waste**	**Industrial**	**Commercial**	**Buildings and Structures**	**Transportation**	**Svcs During Construction**	**Seismic Upgrades/Eval**	**Landslide Mitigation**	**Power Generation**
City of Antioch – West Antioch Creek Channel Improvement Project. Structural design for inlet and outlet head walls for four 50-foot-long, 14 x 7-foot box culverts. Structural elements included culvert headwalls, wingwalls, and soldier pile retaining wall.																	
MCWD – SCADA Consulting Services. Structural support for review of existing system deficiencies and design of new equipment			■	■													
Redwood City Glenwood Pump Station Improvements Project. Design of modifications to existing outdoor pump station to add a building and standby generator.				■				■						■			■
Novato Sanitary District – Wastewater and Recycled Water Facility Upgrade Project. Seismic evaluation and design for a new Title 22 recycled water facility.																	
City of Sunnyvale – Advanced Floatation Tank Replacement Project. Field investigation of tank vulnerability to seismic events.		■	■											■	■		
Cal Water Service Company – RPVD PV-37 Energy Recovery Project. Structural design of a concrete foundation slab with short retaining walls on three sides for support of a new hydro-power driven generator at the CalWater existing pressure reduction station (PV-37) in Rancho Palos Verdes, California. Prepared structural drawings suitable for public bidding for the construction.																	■
City of Burbank – Northern Burbank Recycled Water Main Extension Project. Structural design of a new 8-inch diameter ductile iron pipe crossing at Burbank Western Channel along Cohasset Street. The 38-ft pipe span was supported on the existing concrete channel walls at each end. Pipe crossing needed to be coordinated with existing constraints including an existing 16-inch diameter pipeline crossing at the same location.								■									
Washoe County Department of Water Resources – South Truckee Meadows Water Treatment Facility Project. Designed single-story, masonry block buildings: 6,700–sq. ft. operations building and 2,250–sq. ft. maintenance shop.	■											■					
Contra Costa Water District – Bisso O&M/ Administration Buildings Emergency Generator Project. Foundation design for a standby generator.	■													■			
Delta Diablo – Bridgehead Emergency Storage Basin and Pump Station. Structural design of a sewage pumping station and a 1 million gallon cast-in-place emergency storage basin. Included a concrete building 26 feet below grade and an above grade, two-story, 1,720-sq.-ft. masonry block building with a metal truss built-up roof.			■	■										■			

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Monte Vista Water District – Pump Station. Provided engineering for the design of concrete masonry block pump station. The project was performed under an aggressive schedule, completed within four weeks from start to finish.				■													
City of San Bruno – Reservoirs. Structural assessment of The Cunningham Water Tank No. 1, built in 1964, a 2 million gallon, welded carbon steel tank; and the Glenview Water Tank No. 3, built in 1950, a 2 million gallon, prestressed concrete tank.			■												■		
Inland Empire Utilities Agency – 1630 East Recycled Water Pipeline Segment A Project. Pipeline and turnouts for raw water distribution.								■									
Sacramento County Airport System – Domestic Water Connection and Distribution System Piping Project. Provided engineering for the design of prestressed concrete pile foundation system supporting two 1.5-MG, prestressed concrete water storage reservoirs.			■														
Delta Diablo – Pittsburg Recycled Water System. Working with multiple agencies, provided structural design and construction services for a 1-MG welded steel recycled water tank, main pump station building (prefabricated masonry unit), and a booster pump station of prefabricated, fiber-reinforced plastic**.**			■	■										■			
Vopak Jet Fuel Storage Facility – Tank Inspection. Performed structural assessment of three jet fuel storage tanks in Wilmington, California. The tanks experienced some degree of damage during the October 16, 1999 Hector Mine earthquake. The inspection ascertained whether damage to the interior aluminum floating cover was attributable to the seismic event.			■												■		
City of Livermore – Airport Avenue Pump Station. Structural engineering consultation in support of the refurbishment of an existing pump station.				■													
Contra Costa County Sanitation District – Acacia Avenue Pump Station. Structural engineering consultation in support of the refurbishment of an existing pump station with a capacity of 4 mgd.				■													
Contra Costa County Sanitation District – Fairview Avenue Pump Station. Structural engineering support for the modification and expansion of an existing submersible pump station with a capacity of 12 mgd.				■													

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Central Sanitation District, Orinda – Storm Water Pump Station Refurbishment. Prepared seismic evaluations and retrofit designs for the upgrade of the Lower Orinda Pump Station. The expansion of this circa 1950 pump station increased the flow capacity from 14 mgd up to 21 mgd—the estimated capacity required for operation through 2035.				■	■									■	■		
Monte Vista Water District, Montclair, CA – Aquifer Storage and Recovery Well No.30: Structural design of 32'x32' concrete masonry building. Project was performed under a very aggressive schedule, completed within four weeks.				■			■										
Dublin San Ramon Services District – Northern Dougherty Valley Zone 3 Potable Water Facilities Reservoir 300B and Pump Station 300C. Engineering services during construction of 1.5-MG, prestressed concrete reservoir and concrete masonry block building.														■			
Dublin San Ramon Services District – Dougherty Valley Reservoir 200B. Design of structural elements associated with 1.5-MG, prestressed concrete potable water reservoir. Client elected to use Performance Specification approach for design.			■											■			
City of Brentwood – Surface Water Treatment Facility, Phase I. Structural design of 30 x 35 ft., 35-foot-deep wet well and concrete masonry electrical building.	■		■														
Contra Costa Sanitary District – Walnut Creek Renovations Phase 2. Structural evaluations of existing traffic bridges within Walnut Creek, CA.					■										■		
City of Pleasanton – McCloud Water Tank. Structural assessment of a prestressed concrete tank built in 1953 and development of rehabilitation recommendations.			■												■		
Ito Cariani Sausage Company (ICSC), Hayward CA – **Seismic Vulnerability Evaluation.** Seismic vulnerability evaluation and retrofit recommendations for ICSC 10,000–sq. ft. Hayward facility.											■				■		
Sacramento Regional County Sanitation District, Sacramento Regional Wastewater Treatment Plant – 2E/2F Substation Replacement Project. Structural design of 93'x47' concrete electrical building.		■															
City of Folsom Drinking Water Improvement Project. Structural design of a 10-mgd WTP expansion. Specific elements included Actiflo pretreatment structure, filters, bypass vault, and partially buried, prestressed concrete chlorine contact tank.	■					■								■			

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Orange County Water District – Groundwater Replenishment Project. Pile foundation consulting services for the Groundwater Replenishment Project (GWR). GWR is a water reuse project funded jointly by the Orange County Water District and the Orange County Sanitation District, and is planned to ultimately reuse approximately 140,000 acre-feet per year of advanced treated wastewater. The project supplements existing water supplies by recharging the Orange County Groundwater Basin with a new, reliable, high quality source. The project augments County supply for irrigation and industrial use. Protecting the Basin from further seawater intrusion is another goal of the project.	■	■		■										■			
Dublin San Ramon Services District. Engineering services during construction for a prestressed concrete water storage tank and masonry block pump station. Structural elements of this project were not designed by TJCAA.														■			
City of Livermore – Zone 1 Water System Improvement. Structural design of a masonry block pump station and prestressed concrete water storage reservoir.			■	■													
City and County of San Francisco Department of Public Works. Seismic evaluations and retrofit designs for a conceptual design report for the upgrade of the North Point Wet Weather Facility, San Francisco, California					■										■		
Vallejo Sanitation and Flood Control District – Austin Creek Pump Station. Structural evaluation of the existing Austin Creek Pumping Station: a 40 x 24 ft., cast-in-place concrete structure constructed circa 1956.				■	■									■	■		
Brentwood WWTP Expansion Project – $40 million construction. Structural design of a 10-mgd WWTP expansion in the city of Brentwood, CA. Process facilities included an influent pump station, headworks, denitrification facilities, oxidation ditches, primary clarifiers, chemical area, tertiary filters, chlorine contact basins, cascade aerators, and an outfall structure. Additional structures included an administration building, electrical area, and solids handling facilities. Soil densification using deep dynamic compaction and stone piles was required due to high ground water and loosely compacted soil. Provided engineering services during construction.		■												■			
Delta Diablo – Calpine Recycled Water Facility – $11 million construction. Design of structural elements for a 13-mgd recycled water facility. This facility provides cooling tower water for two new power generation facilities. Process elements included influent pump station, clarifiers, filters, chlorine contact basins, effluent pump station, and a 2-MG, welded steel reservoir. Additional facilities include a chemical storage area and electrical building. Provided engineering services during construction.		■		■		■								■			

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ADAC – Nuclear Medical Camera Installation. Structural design of support system for 6,500-lb. nuclear imaging camera installed in an existing office building.												■					
Montebello Land and Water Company – Well No 14 Pump Station. Structural design of a concrete masonry building to house the equipment associated with this wellhead and pump station.				■			■										
Fountain Valley Pump Station – Upgrades. Preliminary design for seismic upgrade and minor modifications for two existing pumps stations.				■											■		
Zoe Avenue Pump Station. This 34-mgd pump station consists of a large wet well with the bottom invert depth at 50 feet below grade. Stormwater pumps are contained within a 2,360–sq. ft. masonry block building constructed atop the wet well. The pump station wet well walls are constructed of 36-inch diameter cast-in-drilled-hole piles with an internal coating of shotcrete.				■			■							■			
City of Mountain View – Shoreline Sailing Lake Project. Design of structural elements for wet well submersible pump station for transferring water from the delta into the sailing lake.				■										■			
Sunnyslope County Water District – Ridgemark WWTP Expansion Project. Structural engineering support for the modification and expansion of existing facility. Included headworks, membrane bioreactors, blower building and solids handling storage tank. Project included refurbishment and modifications of two existing submersible pump stations.		■	■	■										■			
City of Pacific Grove – Reconstruction of Wastewater Pump Station 12. Design for relocation of an above grade emergency generator into a below grade, precast vault. Structure had to meet strict aesthetic requirements.				■													
City of Stockton – River Island Sewage Pump Station. Structural design of a 15'x35' cast-in-place concrete wet well submersible pump station, approximately 30 feet below grade. With 50'x40' masonry block electrical and chemical storage building.				■		■											
Moulton Niguel Water District – Crown Valley Highland Pump Station. Structural design of a 400–sq. ft., 12-mgd, below grade, concrete vault housing three recycled water pumps and associated instruments and controls.		■		■										■			
Moulton Niguel Water District – Alicia Recycled Water Pump Station. Structural design of a 770–sq. ft., 9-mgd, concrete masonry building to house two recycled water pumps and associated instruments and controls.		■		■										■			

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North Open Space Well. Structural design of 850–sq. ft. masonry block building to house a wellhead pump station. Building was designed and constructed to look like a house.				■			■							■			
South Montebello Irrigation District – Well No. 7. Structural design of a concrete masonry building to house a 700-bhp gas engine and pump system associated with a wellhead pump station.				■													
Diablo Hills Reservoir: Preliminary design of a below grade, cast-in-place reservoir for the Contra Costa Water District. This structure was sited beneath the 8th hole of an existing golf course.			■														
South Sacramento – Design Build Pump Station. Structural design of a wet well sited 50 feet below grade and the associated masonry block operations building. The pump station was a pre-manufactured item that was anchored alongside the wet well.														■			
Montebello Land and Water Company – Well No 14 Pump Station. Structural design of a concrete masonry building to house the equipment associated with this wellhead and pump station.				■			■							■			
Delta Diablo – Chemical Storage Area. Structural design of a chemical storage area for a WWTP. Chemicals involved include sodium hypochlorite and sodium bisulfite.		■				■								■			
Hill Brothers Chemical – Chemical Containment Area. Structural design of a chemical storage and containment area in San Jose, CA. The facility included specialized truck and container loading and unloading areas. Chemicals involved include HCL, H_2SO4, and NaOH.						■			■	■							
Calleguas Water District – Water Storage Reservoir. Preliminary design for the structural elements of this 5.0-MG water storage reservoir. Structural evaluation included alternatives for prestressed concrete, cast-in-place concrete and steel. Both circular and rectangular configurations were considered. Provided technical consultation during the final design phase of the project.	■		■														
City of Pittsburg – Water Storage Reservoir. Preliminary design for replacement of an existing 6-MG water storage reservoir at the WTP. The design included two prestressed concrete reservoirs. A 1-MG reservoir was used as finished and backwash water storage, while a second 5-MG reservoir was sited in the footprint of the existing 6-MG tank. The design required two reservoirs to minimize the impact on the WTP.	■		■														

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Department of the Navy, Camp Pendleton – $8.5 million construction. Structural modifications to seven existing WWTPs and two existing lift stations for the Navy in Camp Pendleton, CA. Upgrades included addition of clarifiers, digesters and pump stations. Additional modifications include improving accessibility to various process units and upgrading existing operations buildings. Provided engineering services during construction.		■		■		■								■			
City of Mesa, AZ – Gilbert/Mesa South WRF Lift Station. Structural design of a 14.33-mgd reclaimed water lift station. This facility included circular equalization basins, a 30 x 100 ft., 40-foot-deep dry well and provisions for future expansion, and addition of treatment facilities.		■		■													
City of Seattle – Tolt Water Filtration Plant. Structural design of a 120-mgd water filtration plant sited on the Tolt River east of Seattle. Process elements of this design/build/operate project consisted of ozone, flocculation, and filtration basins. Supporting facilities included a 7.4-MG, buried concrete clearwell, chemical storage, and plant operation facilities.	■		■			■						■		■			
CCWD – Bollman WTP Expansion. Structural design required to add ozone treatment to the existing Bollman WTP in Contra Costa County. Specific structures included ozone contactors, ozone generation buildings, various foundations, secondary containment for new chemical storage areas, and a pier foundation for the proposed backwash tank. This project included special seismic design criteria specifically tailored for CCWD's projects and seismic upgrade of an existing 11-MG, buried concrete reservoir.	■		■	■		■								■	■		
City of Mt View – Crittenden Pump Station. Structural design of a concrete, CMU pump station for this 600-hp pump station and set sell facility. The project included a standby power generation and fuel storage facilities.				■	■									■			
Leucadia Water District – Bataquitos Pump Station. Structural design of a concrete block building to house electrical and control equipment for an existing 750-hp pump station.				■										■			
Vallicitos Water District – Twin Oaks Reservoirs. Technical review of two 33-MG, prestressed concrete reservoirs for water storage. Technical review of these circular prestressed concrete reservoirs was conducted on the final design documents for the project. Emphasis was focused on the seismic design elements of the project.			■	■													
City of Southgate – Westside Reservoirs & PS. Structural design of two above grade, steel water storage reservoirs along with an associated pump station. Stand-by power and chemical storage were included in the project.			■	■		■											

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City of Allentown, PA – WWTP Upgrades. Structural design for various upgrades to an existing WWTP designed in the 1920s. The project site was in a floodplain and required the use of rock anchors to prevent floatation of the basin foundations.		■		■		■								■			
City of Wallingford – Overflow Reservoir. Structural design of a two-celled, buried concrete reservoir.		■	■														
VWD – Mt. Bell Reservoir Evaluation. Seismic evaluation of an existing bolted steel reservoir.	■		■												■		
SCVWD – Reservoir Evaluation. Seismic evaluation of two existing above grade water storage reservoirs. Both reservoirs were approximately 3 MG and required recommendations for mitigating potential damage caused by the design seismic event.	■		■												■		
City of Redlands – 1350 Zone Reservoir. Structural evaluation and design of a 3.9-MG prestressed concrete water storage reservoir. Evaluation included alternatives for prestressed concrete, cast-in-place concrete, and steel.	■		■												■		
Calleguas Water District – Springville Reservoir. Structural design of a cast-in-place access vault for the 48-inch outlet pipeline connection. Special attention was necessary to minimize the possibility of undermining the reservoir embankment and access roadway.	■		■					■							■		
Calleguas Water District – Pipeline Fault Crossing. Structural evaluation of alternatives for crossing an active fault with a large diameter RCP pipeline. Solutions required assessment of the design level earthquake and anticipated lateral movement at the fault crossing. Developed alternatives for flexibility to accommodate the anticipated movement.								■							■		
Penske Motorsports – 13' Dia. Pipeline Protection. Structural design of a concrete protection structure for an existing 13-foot-diameter RCP pipeline owned by the Metropolitan Water District. Protection of the pipeline was required by MWD for construction of the new California Speedway. The concrete structures were placed under the 30-foot-tall embankments for the proposed racetrack. An additional protection structure was required under a rail line proposed as part of the same development.								■	■	■				■			
City of Irvine – Santiago Canyon. Structural design of a groundwater remediation facility in Orange County, CA. Project included concrete foundations and seismic anchorage of various pieces of equipment.							■		■	■				■			
Hong Kong Airport. Structural protection for multiple well monitoring points within the active runways of the Hong Kong airport. Design criteria included requirements for loading caused by planes and strict limitations on closure times for construction.							■		■	■				■			

TJCAA Structural Experience Bank																		
Project Description	**Service Areas**																	
	Water Treatment	**Wastewater Treatment**	**Reservoir/Storage**	**Pump Station**	**Storm Water**	**Chemical Storage**	**Groundwater Wells**	**Water Transmission**	**Solid Waste**	**Industrial**	**Commercial**	**Buildings and Structures**	**Transportation**	**Svcs During Construction**	**Seismic Upgrades/Eval**	**Landslide Mitigation**	**Power Generation**
Simi Valley WWTP – CoGen Facility. Structural modifications to an existing operations facility; required for the addition of a co-generation facility at the wastewater treatment plant.		■															
City of San Buenaventura, WRF Upgrades Project – $11 million construction. Seismic evaluation of existing structures within this 14-mgd WWTP. Due to the close proximity of the facility to an active fault, the design level earthquake for the project was approximately 50 percent higher than typical UBC criteria. Modifications were designed to upgrade the existing structures to withstand the design level earthquake. Provided engineering services during construction.		■		■		■								■	■		
City of Burlingame – Donnelly Tanks. Assessment and coating design for two 50,000 gallon welded steel storage tanks.			■														
City of Santa Clara – Pipe Bridge. Design for a bridge carrying recycled water pipe.								■									
City of Livermore – Pump Station Technical Review. Technical review of the structural design portion of a proposed concrete masonry pump station.				■													
City of Santa Cruz – Graham Hill Water Treatment Plant. Structural design of redwood baffling system designed to control the flow of water through the flocculation basins. The new horizontal baffles were designed to be removable and supports were sited to avoid conflict with the existing horizontal flocculator paddle wheels.	■																
City of Santa Fe, NM – Transfer Station. Structural design of 500 ton/day solid waste transfer station. The concrete tilt-up structure included 200 foot, free span frames and a buried concrete tunnel system with hoppers loading the hauling trucks.									■								
City of Ontario, CA – Transfer Station. Structural design of 2,000 ton/day solid waste transfer station. The concrete tilt-up structure included 240-foot free span frames and a buried concrete tunnel system with hoppers loading the hauling trucks.									■								
City of Folsom – Folsom WTP Expansion. Structural design of multiple phases of expansion for the existing water treatment plant. Expansions include addition of sedimentation basins, chemical storage facilities, and filtration basins.	■					■									■		
Madras, India. Provided structural technical review of a 250 km water transmission pipeline, associated pump stations, and treatment plant to provide potable water to Madras.	■							■									
Port Hueneme – Sewage Lift Station. Structural design of a concrete sewage lift station. The project was sited in sandy material with high groundwater. Caisson construction was used to eliminate the need for dewatering the site, which was near the Pacific Ocean.		■															

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	Water Treatment	**Wastewater Treatment**	**Reservoir/Storage**	**Pump Station**	**Storm Water**	**Chemical Storage**	**Groundwater Wells**	**Water Transmission**	**Solid Waste**	**Industrial**	**Commercial**	**Buildings and Structures**	**Transportation**	**Svcs During Construction**	**Seismic Upgrades/Eval**	**Landslide Mitigation**	**Power Generation**
City of Tustin – Tustin Desalter. Structural design of a concrete masonry building for housing a desalting facility. The project included chemical storage, wet-well, and a mechanical room for the RO equipment.				■		■	■										
Chino Basin Municipal Water District – Carbon Canyon WWTP. Structural design of upgrade to an existing WWTP. Included addition of a below grade, cast-in-place concrete storage reservoir and a 24-inch-diameter pipeline crossing at an existing highway bridge.		■	■	■													
City of Glendale, CA – Groundwater Remediation. Structural design of facilities associated with groundwater remediation. Elements included seismic anchorage, operations facilities, chemical storage, groundwater well vaults, and a 240-foot, clear span pipe crossing over an existing water channel. Required mat foundations to accommodate potential settlement from the existing unconsolidated soils.				■		■	■		■	■				■	■		
Union Pacific RR – Chemical Containment Area. Structural design of a chemical storage and containment area for a train refueling station in Yermo, CA.						■			■	■				■			
City of Vallejo – Lake Chabot Spillway. Structural design of the new concrete spillway for Lake Chabot. Elements of the spillway included a required critical water elevation to maintain proper function of the water treatment facilities at Marine World Africa USA.			■		■									■			
Marin Municipal Water District – WTP Upgrades. Structural design associated with the addition of sodium hypochlorite to three existing WTPs. The project included concrete masonry buildings to house the stored chemicals and associated pumping equipment.	■					■								■	■		
MWD – Ozone Addition. Provided technical guidance with the structural aspects of the predesign phase of adding ozone to two of the District's WTPs. Combined capacity of the two plants was over 1,000 mgd.	■																
Delta Diablo – Plant Operations Center. Structural design of a 40,000–sq. ft. plant operations center for the District's WWTP. Project included a two-story, 28,000–sq. ft., steel frame office building and a 12,000–sq. ft., tilt-up concrete shop and warehouse structure.		■										■					
Santa Clara Valley Water District – Water Quality Regulation Compliance Project. Preliminary design for modifications to three WTPs. Specific project elements included recommendations for seismic upgrades to the WTPs and mitigations for limiting potential damage caused by a potentially active, 300-foot-deep landslide under the Penitencia WTP. Additional upgrade elements included the addition of ozone facilities and additional chemical storage facilities.	■		■			■											

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Project Description	**Service Areas**																	
	Water Treatment	**Wastewater Treatment**	**Reservoir/Storage**	**Pump Station**	**Storm Water**	**Chemical Storage**	**Groundwater Wells**	**Water Transmission**	**Solid Waste**	**Industrial**	**Commercial**	**Buildings and Structures**	**Transportation**	**Svcs During Construction**	**Seismic Upgrades/Eval**	**Landslide Mitigation**	**Power Generation**
Santa Clara Valley Water District – Toxic Gas Ordnance Project. Modification to three WTPs for the addition of sodium hypochlorite.	■					■											
Alameda County Water District – WTP No. 2 (30 mgd) – $30 million construction. Structural design of a WTP located in the seismically active south San Francisco Bay Area. The facilities include an operations building, separately housed chemical storage, and ozonation system. Unique aspects of this project included the process block concept (common wall construction) in which all of the basins were incorporated into one structure, and the special architectural requirements necessary for the residentially sensitive area in which it was constructed. Provided engineering services during construction.	■		■			■						■		■	■		
City of San Francisco – San Andreas WTP Expansion Phase 2. Services during construction for the expansion and modification of the existing WTP. Expansion included addition of ozone treatment, capacity increase from 120 to 180 mgd, and an 8-MG prestressed and vertically post-tensioned concrete water storage reservoir. A unique aspect of this project was the 0.7 g lateral force requirement due to its close proximity to the San Andreas Fault.	■		■											■			
City of Pittsburg – Water Storage Reservoir. Pittsburg WTP reservoir repair involving improvements to a 6-MG reservoir, with a wooden roof and concrete floor and sides, originally constructed in 1953. The hopper-bottom reservoir was leaking about 4,000 gal/min through cracks in the floor before the repair.	■		■														
Contra Costa Water District – Reservoirs and Pump Station. Structural design of various water storage reservoirs and their associated pump stations for CCWD and developers within the District's management area. Projects include: -- Northgate Reservoir, 0.61 MG, below ground, cast-in-place concrete; -- Rancho Paraiso Reservoir, 0.4 MG, below ground, cast-in-place concrete; -- Oakhurst Reservoir, 0.75 MG, below ground, cast-in-place concrete; -- Irish Canyon Reservoir, 0.83 MG, below ground, cast-in-place concrete; -- Keller Ranch Reservoir, 0.48 MG, below ground, cast-in-place concrete; -- Power Line Reservoir, 0.4 MG, below ground, cast-in-place concrete; -- Eagle Peak Pump Station, concrete block with wood roof; -- Northgate Pump Station, concrete block with wood roof; -- Clubhouse Pump Station, concrete block with wood roof; -- Irish Canyon Pump Station, partially buried concrete; structure.	■		■	■										■			

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	Water Treatment	**Wastewater Treatment**	**Reservoir/Storage**	**Pump Station**	**Storm Water**	**Chemical Storage**	**Groundwater Wells**	**Water Transmission**	**Solid Waste**	**Industrial**	**Commercial**	**Buildings and Structures**	**Transportation**	**Svcs During Construction**	**Seismic Upgrades/Eval**	**Landslide Mitigation**	**Power Generation**
City of Pleasanton – Kottinger Ranch Reservoir. Structural design of a 1.0-MG, welded steel, above ground water storage reservoir with a concrete masonry pump station.			■	■													
City of Pleasanton – Canyon Meadow Pump Station. Structural design of a concrete masonry building for this 6-mgd pump station.				■													
City of Vallejo – Shadow Ridge Pump Station. Structural design of a concrete masonry structure for a 60-hp pump station.				■													
City of Rialto – Rialto Reservoir. Structural design of a 6.0-MG, partially buried, vertical post-tensioned, prestressed concrete water storage reservoir.			■											■			
City of Poway – Poway Pump Station. Structural review of the design for a concrete masonry pump station.				■													
Contra Costa County Sanitary District – Outfall Repair. Outfall repair as part of a 7.5-mile-long outfall rehabilitation project.					■												
City of Vallejo – Clearpointe Reservoir. Engineering services during construction of an aboveground, 1.6-MG, shotcrete, prestressed water storage reservoir.			■											■			
City of Pittsburg – WTP Expansion. Engineering services during construction for the expansion of a WTP from 8 to 16 mgd.	■		■			■								■			
City of Santa Cruz – Neary Lagoon Pump Station. Engineering services provided during the construction of an outfall structure, a new 150-mgd, 750-hp pump station with a full stand-by power facility, and a seawall. The majority of the project was next to the municipal wharf in Santa Cruz.				■	■									■			
East Bay MUD – Modification to Bridge Support. Structural design necessary for the modification of one of the Oakland-San Francisco Bay Bridge approach support structures. Modifications were required to relocate the Adeline Interceptor. This project required coordination with Cal-Trans to obtain approval for passing a 60-inch-diameter pipe under one of the support structures, which was built in the late 1930s.								■					■				
Texaco Oil – Coal Gasification Plant. Structural design of a sludge handling facility consisting of a pre-engineered metal building enclosing two truck unloading bays and a control center over a concrete basement that houses the sludge processing equipment. Also included are two sludge storage silos over 100 feet tall.									■	■							
City of Oxnard – Sludge Drying Facility. Structural design of a 3 acre, pre-engineered, metal building with a translucent roof to facilitate sludge drying.		■															

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CP Organics – Seismic Evaluation of Chemical Storage. Seismic evaluation for ten chemical storage tanks with secondary confinement for an industrial client in the City of Newark.						■			■	■							
Chinese Petroleum Corporation – Oil Storage EIR. Seismic evaluation portion of the environmental impact assessment for construction of ten welded steel reservoirs to store 211 MG of petroleum products in Taiwan.			■												■		
City of Fontana – WWTP Preliminary Design. Predesign for the Fontana WWRF, a proposed 30-mgd WWTP in Southern CA. Included measures to mitigate potential impacts of a contaminated site.		■		■													
Seattle Metro – Pipe Crossing. Structural design of a two-span, 300-foot pipe bridge to cross the Cascade River in Renton, WA. The design incorporated two 36-inch-diameter steel casings that acted as a composite section to cross the river. A 24-inch sewer line and 16-inch water line were placed inside the casing pipes.								■									
St Paul, MN – Flood Wall. Provided construction documents for a sheet pile flood wall along the Mississippi River in MN. The flood wall was necessary to implement a soil remediation project.										■							
City of Benicia – Reservoir Upgrade. Seismic evaluation and repair of an existing 2.3-MG water reservoir. The reservoir is an above-grade steel tank originally designed and built in 1970. Replacement of the ringwall foundation was required as part of the seismic mitigation measures.	■		■												■		
City of San Bernardino – Devil Canyon WTP. Preliminary design of a 20-mgd WTP on a site divided by the San Andreas Fault. Preliminary information provided anticipated ground accelerations in excess of 1.0 g. The structural portion of the work included estimating preliminary sizes of this 20-mgd, modular design water treatment facility.	■		■			■									■		
San Jose Water Co. – Microfiltration Upgrade. Structural design required to retrofit an existing conventional water treatment facility sited on a landslide in a 40 x 40-ft. metal building. The project replaced the existing equipment with membrane treatment equipment. The design included means of retaining the existing building in order to minimize the impact on the neighborhood and special foundations to mitigate future movement by the active slide.	■					■									■	■	
County of Maui – WTP Upgrade. Structural design of the operations building for a WTP.	■					■						■					
City of Corona, Water Storage Reservoir. Structural engineering for the design of a 4.7-MG prestressed concrete reservoir.			■														

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Honvest Towers, HI – Architectural Façade. Design of the structural attachments for the architectural metal panel facade of a 17-story office building.											■	■					
Hyatt Regency Resorts – Seismic Damage Review. Structural consultation regarding the cause of damage to the 1.5-year-old Hyatt Regency in Burlingame, CA. Evaluations showed the damage was caused by the 1989 Loma Prieta earthquake.											■				■		
City of Burlingame – WWTP Expansion. Structural design of pile-supported structures, including primary clarifiers, new headworks, and a two-story office/laboratory building.		■										■					
Oakley Water District – WTP Upgrades. Structural design of a concrete block pump station over the wet well of this 16-mgd WTP. Project also included a 2.5-MG, welded steel reservoir and minor modifications to the operations building and chlorine storage area.	■		■	■		■								■			
City of Walnut Creek – Civic Park Bridge. Developed structural alternatives to upgrading an existing 100-foot bridge to handle an HS20 loading. The alternatives included upgrading the existing turn-of-the-century bridge or replacing it with a new cable-stayed suspension bridge.													■				
City of Gresham, OR – WWTP Expansion. Structural design for elements of a 45-mgd WWTP. Included headworks facility, primary and secondary clarifiers, aeration basin, solids handling facility, two digesters, and a digester control building.		■															
City of Vancouver, WA – WWTP Upgrade. Minor structural improvements to an existing WWTP.		■															
Seattle Metro – Westpoint WWTP. Assistance during the construction of prestressed digesters and a digester control facility.		■					■										
Hyperion Wastewater Treatment Plant. Structural design of a 12,000–sq. ft., three-story control building; a 15,000–sq. ft. compressor building with a travelling bridge crane; an electrical control building, and foundations for a chemical tank farm.		■				■						■					
Dublin-San Ramon Services District, CA – Seismic Evaluation. Seismic evaluation and design of upgrades for four steel reservoirs. The reservoir sizes ranged from 0.5 MG to 4 MG.			■												■		
Raytheon Corporation – Seismic Evaluation. Seismic evaluation of Raytheon's manufacturing facility in Mountain View, CA. This one-story, tilt-up building required a seismic evaluation because of the existence of a tremendous amount of air handling/cleaning equipment that was installed on the roof during the life of the structure. Due to the lack of structural plans for the facility, extensive field reconnaissance was necessary before analysis of the structural system. A complete gravity load evaluation of the roof was included within this seismic report.									■	■					■		

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Target Department Stores – Seismic upgrade. This 70,000–sq. ft., tilt-up building required a seismic evaluation due to the modifications of the exterior shear walls during Target's takeover of Gemco department stores. Included design of two structural steel braced frames, which were intended to take the place of 160 feet of concrete shear wall slated for demolition during the building modification phase of the project.											■				■		
City of Walnut Creek – Seismic Upgrade of Restaurant. Seismic upgrade to an over 100-year-old building that was originally one of the main fire stations for Walnut Creek. Construction materials within the system ranged from reinforced concrete block to unreinforced terra cotta brick.											■				■		
Target Department Stores – Conversion from Gemco to Target. Structural design necessary for the conversion of various Gemco stores to Target department stores. Included seismic upgrades, modifications to roof structures and relocation of vertical load carrying elements.											■				■		
Portola Valley Town Center. Design of five new one-story, wood-framed buildings with wood shear walls and concrete spread footings: a Town Hall, Community Hall, Library, Maintenance Building, and Restroom Building.												■					
Los Medanos Community Hospital – Medical Office Building. Structural design of a two-story, steel framed, 30,000–sq. ft. medical office building in Pittsburg, CA.												■					
City of Belmont – Recreation Facility. Structural design of a two-story, concrete block recreation facility and two concession/restroom buildings for new softball fields.											■						
Bond Oil – Platform Harriet. Structural design for elements of an 8-leg platform in 75 feet of water. Included the design of mud mats, jacket lifting pad eyes, wellhead fender, appurtenance supports, conductors, and sump deck.									■	■							
Arco – Cherry Point Calciner. Structural design for various elements of this expansion project. The project included an 80-foot-diameter reinforced concrete structure to support a rotary hearth furnace and a 12,000–sq. ft., 100-foot-tall, steel building to house the furnace.									■	■							
Los Positas Overcrossing. Inspection services for the construction of a two-lane bridge over Interstate 680 in Pleasanton, CA													■	■			
Sunol Grade Vehicle Inspection Station. Inspection services for the construction of an inspection station in Sunol, CA.													■	■			

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San Francisco Friends School – Seismic Upgrade Design. Seismic upgrade and retrofit of this existing 85,000-sq.-ft., three-story timber building with new steel concentrically braced frames, strengthened diaphragms, new concrete mat foundation, and new steel truss roof structure over the gymnasium and theatre.												■			■		
Berkeley Community College – Building. Structural design of a new six-story, 165,000–sq. ft. building. The structure is steel framed with concrete filled metal deck at the floors, concrete shear walls, and a drilled concrete pier foundation. A 60 x 80 ft. elliptical skylight supported on steel tension rod trusses provides cover for the central atrium.												■					
Dominican University – Science and Technology Center. Structural design of a new 35,000-sq.-ft., two-story building with an L-shaped configuration. The structure is steel framed with concrete filled metal deck and steel concentrically-braced frames.												■					
California Maritime Academy – Simulation Center. Structural design of a new two-story, steel-framed building with steel, concentrically-braced frames and drilled concrete piers.												■					
Olympic City Club – Structural Analysis. Structural analysis for the retrofit and seismic upgrade of this existing ten-story, concrete building in San Francisco, CA															■		
Palo Alto Regional Water Quality Control Plant. Design of chemical containment areas for sodium hypochlorite and sodium bisulfite tanks.							■										
Yuba City – Solids Thickening Improvements. Provided structural design assistance for installation of new waste activated sludge thickeners on the second floor of an existing dewatering building.		■															
Yountville Veterans Home – Title 22 Upgrades and Recycled Water Expansion Project. Design of a partially buried 24 x 50 ft. chlorine contact structure of cast-in-place concrete with redwood baffle walls.		■															
City of Petaluma – C Street Pump Station. Structural analysis of pump station design.			■														
Monterey Water and Sanitation District – Analysis of Reservoir Roof Failure. Analysis of a prestressed concrete tank and development of recommendations.			■														
Monte Vista Water District – Well 32 and 33. Provided engineering for the design of a concrete masonry block pump station and a concrete slab on grade. The design for the building was required to meet strict aesthetic requirements for a residential area.				■			■										
Sausalito Marin City Sanitary District – Wet Weather Storage Facility. Feasibility-level design for a 4.5-MG wet weather storage tank to be sited within Young's Bay Mud in the Marina District in Sausalito, CA.			■		■												

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	Water Treatment	**Wastewater Treatment**	**Reservoir/Storage**	**Pump Station**	**Storm Water**	**Chemical Storage**	**Groundwater Wells**	**Water Transmission**	**Solid Waste**	**Industrial**	**Commercial**	**Buildings and Structures**	**Transportation**	**Svcs During Construction**	**Seismic Upgrades/Eval**	**Landslide Mitigation**	**Power Generation**
Monterey Water and Sanitation District – Analysis of Reservoir Roof Failure. Analysis of a prestressed concrete tank and development of recommendations.			■														

TJCAA Experience Bank - ICE

TJCAA Instrumentation, Control, and Electrical Experience Bank								
Project Description	**Service Areas**							
	Facility Electrical & Industrial Apps	**Medium & Low-Voltage Distribution**	**System Modeling, Analysis, & Utility Coordination**	**Control System Master Planning**	**Water & Wastewater Instrumentation & Control System Designs**	**Remote Telemetry & SCADA**	**Standby & Emergency Power Facilities**	**Project Management & Alternative Delivery Methods**
Alameda County Water District – Treatment Plant 2 PLC Upgrade Project. Services for an upgrade of PLCs that control all processes in a 21-mgd water treatment plant. The project included programming, bench testing, equipment commissioning, operational readiness testing, and functional acceptance testing.				■	■	■		
Santa Clara Valley Water District – Rinconada WTP Reliability Improvement Project. Electrical and I&C design for a $180 million plant upgrade, including 12-kV distribution, arc flash protection strategies, a new 3-MW diesel standby generator, and new distributed motor control centers with smart motor starters and variable frequency drive equipment. The I&C design incorporated a new distributed programmable logic controller architecture, coordinated with construction phasing and new processes.	■	■			■		■	
Union Sanitary District – SCADA System Master Plan and Standards Development Project. Technical development of SCADA Master Planning document including reconnaissance, staff interviews, project selection, budget impact planning, and development of standards.				■		■		
City of Santa Cruz – Graham Hill WTP Electrical Improvements Project. Project management and electrical design for renovation, expansion and improvements to the electrical distribution system at the City's main Graham Hill WTP.	■	■	■		■	■	■	■
Napa Sanitation District – Recycled Water Pipeline and Pump Station Design. Design for service and power distribution equipment, pump station motors and motor controls, and electrical building auxiliary electrical and lighting needs.	■	■			■	■		
Redwood City Glenwood Pump Station Improvements Project. Performed design of electrical upgrades for an existing water distribution pump station.	■				■		■	
CCWD – SCADA Telemetry Improvements Project. Prepared comprehensive predesign analyses and report for development of upgrade scheme for SCADA and telemetry system.				■		■	■	■

TJCAA Instrumentation, Control, and Electrical Experience Bank								
Project Description	**Service Areas**							
	Facility Electrical & Industrial Apps	**Medium & Low-Voltage Distribution**	**System Modeling, Analysis, & Utility Coordination**	**Control System Master Planning**	**Water & Wastewater Instrumentation & Control System Designs**	**Remote Telemetry & SCADA**	**Standby & Emergency Power Facilities**	**Project Management & Alternative Delivery Methods**
Central Contra Costa Sanitary District – Arc Flash Labeling Implementation Analysis and Review. Performed review and analysis of arc flash hazards at the District's Wastewater Treatment Plant.	■	■	■					■
Wochholz Wastewater Treatment Plant – Improved Effluent Salinity Project. Designed electrical and structural elements for the addition of a new reverse osmosis (RO) Train and ancillary equipment including chemical systems as part of the process to reduce salinity levels in the effluent water	■	■	■		■			
MCWD – SCADA Consulting Services. Review of existing system deficiencies; development of new RTU and radio standard hardware specifications; development of standard programming, submittal, and well control descriptions; and bid documents.				■	■	■		■
CVSD – Pump Station 5 Control Rehabilitation. Performed field investigations and emergency design for replacement of motor controls at a small sewage pump station.	■	■			■			■
Cucamonga Valley Water District – 1630 East Recycled Water Pump Station. Pump station with sizes ranging from 100 hp to 400 hp for delivering reclaimed water to the Inland Empire Utilities Agency recharge basin. Includes design of new pump station and integration of controls into CVWD and IEUA's existing SCADA systems.	■	■	■		■	■		■
Santa Clara Valley Water District – Pacheco Pump Station Adjustable Speed Drive Replacement. Designed replacement of twelve existing adjustable speed drives with newer technology drives, to operate existing 2,000-hp medium-voltage wound-rotor motors. Project work also included a SCADA system upgrade.	■	■			■	■		
City of Malibu – Malibu Legacy Park Project. Electrical design services for a multi-benefit facility providing stormwater management, water quality improvement, riparian habitat restoration, education, and open space for recreation. Electrical distribution system including a 480-V distribution panel with mini load centers throughout the park.	■	■	■					
Dublin San Ramon Services District – Zone 2 and 3 Pump Station Renovations. Design and construction services for electrical and mechanical renovations at four drinking water distribution pump stations. Included field inspections, conceptual approaches, use of reduced voltage starters for hydraulic surge control, replacement of all electrical equipment, and interfacing to existing SCADA.	■	■	■		■	■		■

TJCAA Instrumentation, Control, and Electrical Experience Bank								
Project Description	**Service Areas**							
	Facility Electrical & Industrial Apps	**Medium & Low-Voltage Distribution**	**System Modeling, Analysis, & Utility Coordination**	**Control System Master Planning**	**Water & Wastewater Instrumentation & Control System Designs**	**Remote Telemetry & SCADA**	**Standby & Emergency Power Facilities**	**Project Management & Alternative Delivery Methods**
City of Calistoga – Kimball WTP Improvements. Developed detailed electrical design documents for pressure filter-based treatment facility for the City's main water treatment plant. Work included expansion of existing motor control systems, integration to the existing control system, and addition of multiple water quality monitoring instrumentation onto a centralized water quality monitoring panel.	■	■			■			
Inland Empire Utilities Agency – Phase 2 Chino Basin Facilities Improvement Project. Predesign and design related to the improvement at several groundwater replenishment basins and water supply turnouts, conforming to MWD technical requirements and standards.	■	■	■			■		
Metropolitan Water District – Diemer Water Treatment Plan Electrical Power and Reliability Improvements, Preliminary Design. Prepared recommendations for system improvements and upgrades to the original, 40 year old electrical system elements.	■	■	■				■	
Cucamonga Valley Water District – Wells Number 43 and 46. Provided electrical and instrumentation design for two well pump stations.	■	■	■		■	■	■	■
Sapphire Energy – Biofuel Plant Review. Value engineering review of instrumentation, control, and electrical elements for a biofuel generation plant.	■							
Inland Empire Utilities Agency – 1630 East Recycled Water Pipeline Segment A Project. Design services for power, instrumentation, and SCADA work at the San Sevaine and Victoria Basin Turnouts.		■	■			■		
Orange County Water District – Groundwater Replenishment System Initial Expansion. Engineering Support for Control Systems	■							
Dublin San Ramon Services District – Cogeneration Electrical Improvements Project. Design services for a WWTP expansion including the electrical distribution system and cogeneration facility. Included adding a third cogeneration unit, for a total internal generation capacity of over 2 MW. The project also included relocation of the 21-kV main service.	■	■	■				■	■
Cucamonga Valley Water District – Booster Stations 1C and 2C. Design of and construction services for two large booster pump stations. Integration of existing facilities, including two large (600 and 700 hp) well pumps and coordination with Southern California Edison for new service at 1C and modifications to existing service at 2C.	■	■			■	■	■	
Contra Costa Water District – Bisso O&M/Administration Buildings Emergency Generator Project. Design of a standby generator retrofit.	■	■					■	■

TJCAA Instrumentation, Control, and Electrical Experience Bank								
Project Description	**Service Areas**							
	Facility Electrical & Industrial Apps	**Medium & Low-Voltage Distribution**	**System Modeling, Analysis, & Utility Coordination**	**Control System Master Planning**	**Water & Wastewater Instrumentation & Control System Designs**	**Remote Telemetry & SCADA**	**Standby & Emergency Power Facilities**	**Project Management & Alternative Delivery Methods**
Orange County Water District – Groundwater Replenishment System Design. Task leader for Instrumentation & Control (I&C) and Electrical disciplines for ultimate 130-mgd water reclamation project.	■	■	■	■	■	■		■
City of Mountain View – Crittenden (stormwater) Pump Station, Sewage Pump Station, and Whisman (drinking water) Pump Station. Electrical and instrumentation design.	■	■	■		■	■	■	
City of Folsom – Folsom WTP Expansion. Electrical design of multiple phases of expansion for the existing WTP.	■	■		■	■	■	■	■
United Water of Idaho – Columbia WTP. Design/build electrical and I&C design of ultrafiltration membrane treatment process.	■	■	■		■	■		■
Contra Costa Water District – Treated Water Generators and Seismic Valves Project. Designed addition of engine generators and seismic shutoff valves at treated water pump stations and reservoirs.	■	■			■	■	■	■
Alameda County Water District – Brackish Water Treatment Facility. Designed electrical systems for a major new reverse osmosis desalination project.	■	■	■		■		■	
City of Santa Fe, NM – Transfer Station. Electrical facility design for new solid waste transfer station.	■	■	■					
Metropolitan Water District – Skinner Oxidation Retrofit Program. Discipline task leader for ICE design elements on the extensive retrofit to MWD's 630-mgd Skinner Water Treatment Plant (WTP).	■	■	■		■		■	
City of Salem, Oregon – River Road Wet Weather Treatment Facility. Electrical and I&C design for new high rate clarification and ultraviolet disinfection processes.	■	■	■		■	■	■	■
Contra Costa Water District – Bollman WTP Surface Water Quality (SWQ) Project. Plant upgrade to the 75-mgd Ralph D. Bollman surface water treatment plant.	■	■	■		■	■	■	
Contra Costa Water District – Bollman Emergency Generator Design/Build Project and 5-kV Master Plan. Design/build contract to install two new 2-MW, trailer-mounted engine-generator sets.	■	■	■			■	■	■
Contra Costa Water District – 5-kV Electrical System Upgrade Phases 1 and 2. Bollman plant 5-kV distribution renovation project.	■	■	■			■	■	■
Seattle Public Utilities, Tolt Water Treatment Plant. Design/build of a grassroots 120-mgd treatment plant.	■	■	■	■	■	■	■	

TJCAA Instrumentation, Control, and Electrical Experience Bank								
Project Description	**Service Areas**							
	Facility Electrical & Industrial Apps	**Medium & Low-Voltage Distribution**	**System Modeling, Analysis, & Utility Coordination**	**Control System Master Planning**	**Water & Wastewater Instrumentation & Control System Designs**	**Remote Telemetry & SCADA**	**Standby & Emergency Power Facilities**	**Project Management & Alternative Delivery Methods**
Sultanate of Oman – Salalah Wastewater Treatment Plant (WWTP). Lead electrical design for a new WWTP.	■	■	■				■	
City of San Buenaventura WWRF – Control System Master Plan. Control system master plan consistent with the plant's existing system and long-term goals.				■	■	■		
National Park Service – Yosemite National Park Electrical Distribution Upgrade. Rehabilitation of the electrical distribution system for Yosemite National Park.	■	■	■				■	■
East Bay Municipal Utilities District – Walnut Creek WTP Upgrades. Detailed electrical design services for major upgrades and capacity expansion.	■	■	■				■	
City San Buenaventura – Wastewater Reclamation Facility (WWRF) Upgrades Project. Upgrades at the reclamation facility.	■	■	■		■	■	■	
Department of Defense – March Air Force Base Electrical Distribution Upgrades. Rehabilitation and reconfiguration of the Base's overhead 12-kV electrical system under a design/build structure.	■	■						■
City of Santa Cruz – Graham Hill WTP Expansion Power Study. Development of planning level report, including power analyses for process improvements at the facility.	■	■	■				■	
Coastside Water District – Electrical System Study. Conceptual level power study and analysis for supporting planned process improvements.	■	■	■				■	
Metropolitan Water District – Diemer WTP Electrical Reliability Study. System analysis and report to evaluate the electrical reliability of the existing electrical system.	■	■	■				■	■
City of Folsom – WTP Control System Upgrade Design/Build. Control system upgrade performed under a design/build agreement.				■	■	■		■
Mercer Island, Washington – Telemetry Strategic Plan. Telemetry system strategic plan for the City's water and wastewater utilities.				■	■	■		
City of San Mateo – Wastewater Plant Supervisory Control and Data Acquisition (SCADA) System Conceptual Master Plan. Master Plan providing a blueprint for development and phased implementation of in-plant SCADA.				■	■	■		■
City of San Bernardino – Vulnerability Assessment. Security vulnerability assessment for the City's SCADA and telemetry system.				■	■	■		■
Santa Ana Watershed Project Authority – Telemetry Master Plan. Site inventories, technology review, and needs assessments.				■	■	■		■

TJCAA Instrumentation, Control, and Electrical Experience Bank								
Project Description	**Service Areas**							
	Facility Electrical & Industrial Apps	**Medium & Low-Voltage Distribution**	**System Modeling, Analysis, & Utility Coordination**	**Control System Master Planning**	**Water & Wastewater Instrumentation & Control System Designs**	**Remote Telemetry & SCADA**	**Standby & Emergency Power Facilities**	**Project Management & Alternative Delivery Methods**
Delta Diablo – Discovery Bay Telemetry System. Radio-based telemetry system included design, replacement of RTUs, installation of central computers, system programming, and integration.				■	■	■		■
City of San Diego – Miramar WTP Expansion. I&C Task leader for the plant expansion, with associated instrumentation and distributed control PLC configured in a redundant, hot-standby arrangement.				■	■	■		■
City of Glendale – Remediation Project. Design and construction of electrical and I&C project elements, including remote telemetry to off-site wells, interlocks to central treatment facility, programmable logic-based controls and instrumentation for liquid and vapor stripping technologies.	■	■		■	■	■		■
City of San Francisco – WTP Design/Build Control System Upgrade. Major control system upgrades at the Harry Tracy WTP and Sunol WTP, which supply drinking water to the City of San Francisco. Project included new PLCs, computer workstations, and networking.				■	■	■		■
City of Santa Cruz – Graham Hill Water Treatment Plant Control System Upgrade. Design/build upgrade, including vendor selection, system design, panel fabrication, coordination of subcontractors, installation, startup, testing, training, and follow-up/warranty tasks.				■	■	■		■
San Jose Water Company – Montevina WTP, Electrical Upgrades. Installation of upgraded PLC system configured in a remote input/output architecture to minimize new wiring complications.	■	■	■	■	■	■	■	■
City of Livermore – Altamont Pump Station and Reservoir Improvements. Electrical and I&C design for rehabilitation of existing pump station to increase capacity and replace aging equipment.	■	■			■	■	■	
City of Mountain View – Turnouts Controls Design/Build. Project management for design/build project that included controls and SCADA interfaces for water purveyors' turnouts.				■	■	■		■
City of Mountain View – Whisman Pump Station. Project management for the electrical design for rehabilitation of the City's main drinking water pump station. The facility was sited at City's corporation yard and required installation of a large standby generator for both pumping and corporation yard facility loads.	■	■	■	■	■	■	■	■
Diablo Water District – Generator Replacement Project. Project manager for the electrical design for procurement and installation of new on-site diesel engine generator for the District's central facility and Corporation yard.	■	■	■				■	■

TJCAA Instrumentation, Control, and Electrical Experience Bank								
Project Description	**Service Areas**							
	Facility Electrical & Industrial Apps	**Medium & Low-Voltage Distribution**	**System Modeling, Analysis, & Utility Coordination**	**Control System Master Planning**	**Water & Wastewater Instrumentation & Control System Designs**	**Remote Telemetry & SCADA**	**Standby & Emergency Power Facilities**	**Project Management & Alternative Delivery Methods**
Las Virgenes Municipal Water District – Tapia Water Reclamation Facility, Headworks Improvements Project. Prepared design/build bidding documents for upgrades to the Tapia WRF Headworks.	■	■			■			■
City of Folsom – WTP Control System Upgrade. Control system upgrade executed under a design/build approach, including design of control system architecture and interface to remote telemetry, fabrication/installation of PLC back panels, testing, training, and start-up.				■	■	■		■
Contra Costa Water District – Randall-Bold WTP Design/Build DCS Upgrade. Project Manager for design/build replacement of the plant's DCS. Developed bid/proposal documents for the designer/builder, defined proposal evaluation method, facilitated project interviews, and participated in the selection of the design/build firm.				■	■	■		■
South Bayside System Authority – Solids Handling Control Room. Design of electrical supply for new scrubber, heat pump, and other ventilation equipment associated with odor control systems at the solids handling building.					■			
South Bayside System Authority – Waste Gas Burner System Rehabilitation. Review and development of new waste gas burner ignition systems.					■	■		

Oakland Office

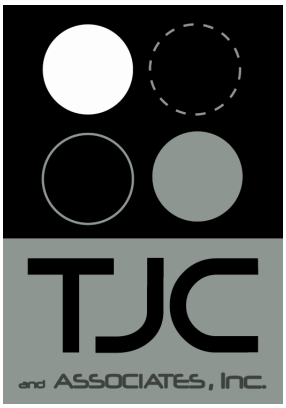
The Cathedral Building
1615 Broadway, 4th Floor
Oakland, CA 94612-2103
Phone [510] 251-8980
Fax [800] 948-5604

Walnut Creek Office

2890 North Main Street, Suite 300
Walnut Creek, CA 94597-2738
Phone [925] 357-2676
Fax [800] 948-5604

Sacramento Office

2356 Gold Meadow Way, Suite 250
Gold River, CA 95670-6329
Phone [916] 853-9658
Fax [800] 948-5604



FINANCE AND ADMINISTRATIVE COMMITTEE

ITEM: ACTION ITEM

15. CONSIDER RECOMMENDATION TO AUTHORIZE A CONTRACT WITH SCHAAF & WHEELER TO PROVIDE DRAWING SUPPORT SERVICES

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**Dave Stoldt General Manager**	**Program/ Line Item No.:**	**1-2-1-A5/ 35-04-786004**
Prepared By:	**Maureen Hamilton**	**Cost Estimate:**	**$30,000**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The ASR sites were developed over 25 years. Multiple projects had overlapping design and construction schedules. MPWMD is in the process of updating the last major construction drawings with other projects' red-line and excavation data. Accurate drawings reduce risk and mitigate costs associated with unforeseen circumstances.

In 2023 staff issued a Request for Proposals and selected Schaaf & Wheeler (SW) as the most qualified consultant. Last fiscal year SW drawings work included georeferencing, integration of sites' topographies, utilities integration, and streamlining layer properties.

This fiscal year's requested work includes continuing projects' integration into the master drawings with site verifications. Work will be conducted on a time and materials basis not to exceed $30,000.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board of Directors authorize the General Manager or his designee to enter into a contract with Schaaf & Wheeler to provide drawing support services to MPWMD for an amount not to exceed $30,000.

EXHIBIT
15-A Draft Contract

EXHIBIT 15-A

AGREEMENT BETWEEN THE MONTEREY PENINSULA WATER MANAGEMENT DISTRICT AND SCHAAF & WHEELER FOR PROFESSIONAL SERVICES TO PROVIDE DRAWING SERVICES

THIS AGREEMENT is entered into this _____ day of June, 2024, by and between Schaaf & Wheeler, hereinafter called "Consultant," and the Monterey Peninsula Water Management District, hereinafter called "MPWMD".

SECTION I - SCOPE OF SERVICES

MPWMD hereby engages Consultant for services as set forth in **Exhibit A**, Scope of Work.

SECTION II TIME OF PERFORMANCE

Consultant shall begin work upon the effective date of this Agreement and shall complete all tasks described herein according to the schedule shown in **Exhibit B**, Work Schedule, and consistent with the professional skill and care ordinarily provided by engineering professionals practicing in the State of California under the same or similar circumstances.

SECTION III COMPENSATION

A. FEE SCHEDULE

Fees payable to Consultant for services specified herein shall be in accordance with the Budget and Fee Schedule in **Exhibit C**.

B. METHOD OF PAYMENT

Payment of fees shall be based on work completed, as documented in monthly billings submitted by Consultant. Monthly billings shall include previously invoiced total, current invoice amount, and remaining budget. Work reports shall be rendered in accordance with the schedule shown in **Exhibit B**, Work Schedule.

Payments are due and payable within thirty (30) days after receipt of each invoice subject to a finding by MPWMD that work performed has been satisfactory and that payment is for the work specified in **Exhibit A**, Scope of Work. Where MPWMD finds the work to be unsatisfactory, MPWMD shall describe deficiencies in writing to Consultant within ten (10) days.

The final invoice for work performed shall be submitted not later than sixty (60) days following notification by MPWMD of completion of such work. The final invoice shall be paid not later than thirty (30) days after receipt of the final invoice.

C. MAXIMUM PAYMENT

Payments to Consultant for services rendered and expenses incurred under this Agreement **shall not exceed $30,000.**

D. LATE PERFORMANCE PENALTY

With respect to the work within its direct control, in the event Consultant is unable to perform satisfactory work consistent with the professional skill and care ordinarily provided by professionals practicing in the State of California under the same or similar circumstances within thirty (30) calendar days of the date such work is due pursuant to **Exhibit B**, Work Schedule, MPWMD may, in its discretion, withhold an additional five percent (5%) of the fees which would otherwise be payable pursuant to the fee schedule set forth in Exhibit B. This amount may be increased to a maximum of 10% after sixty (60) calendar days of the date such work is due.

Consultant shall not be responsible for delays to the Schedule due to actions outside of its immediate control. Delays due to lack of performance by other parties shall be documented and the Schedule adjusted to reflect the length of the delay incurred

SECTION IV INSPECTION OF WORK

The books, papers, records and accounts of Consultant or any subconsultants retained by Consultant insofar as they relate to charges for services, or are in any way connected with the work herein contemplated, shall be open at all reasonable times to inspection and audit by the agents and authorized representatives of MPWMD. Said records shall be retained for a minimum of five (5) years after completion of services.

SECTION V OWNERSHIP OF PROJECT REPORT AND EQUIPMENT PURCHASED

All original documents, explanations of methods, maps, tables, computer programs, reports and other documents prepared under this Agreement and equipment purchased specifically for the project shall become the exclusive property of MPWMD.

Digital data used to generate tables, figures, diagrams, images, Geographical Information System (GIS), and Computer Aided Design (CAD) drawings shall be considered separate deliverables and shall be provided in the application's native format to MPWMD after acceptance by MPWMD of the final work product(s). Portable Document Format (PDF) files shall be delivered in a searchable format.

AutoCAD drawings shall be delivered in Portable Document Format (PDF). AutoCAD drawings in native format and compatible with AutoCAD LT shall be delivered upon MPWMD request.

Consultant may retain copies for Consultant's own use.

SECTION VI RESPONSIBILITIES

A. Consultant represents that Consultant has or will secure at Consultant's own expense all personnel, materials, and related services required to perform the services under this Agreement. Consultant shall act as an independent consultant and not as an agent or employee of MPWMD. Consultant shall have exclusive and complete control over Consultant's employees and subcontractors, and shall determine the method of performing the services hereunder.

B. Upon request, MPWMD shall provide Consultant with all relevant data and studies in its possession without charge. Consultant represents that Consultant is familiar with such materials provided by MPWMD and that they are sufficient to discharge MPWMD's obligation hereunder.

C. MPWMD shall coordinate and arrange for all meetings required to be held with other agencies or persons hereunder, unless otherwise specified in **Exhibit A**, Scope of Services.

D. Consultant shall be responsible for the reproduction of work produced by Consultant hereunder.

E. The officers, agents, and employees of MPWMD shall cooperate with Consultant in the performance of services under this agreement without charge to Consultant. Consultant agrees to use such services insofar as feasible in order to effectively discharge Consultant's obligations hereunder and further agrees to cooperate with MPWMD's officers, agents and employees.

F. The Consultant agrees to indemnify, defend and save harmless MPWMD, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all consultants, subcontractors, material men, laborers and any other person, firm or corporation who may be injured or damaged by the negligent acts, errors, and/or omissions of the Consultant, Consultant's employees, or Consultant's subcontractors or subconsultants in the performance of this Agreement.

G. The Consultant agrees to maintain backup files of work performed such that MPWMD drawings are secure and up-to-date.

SECTION VII INSURANCE

A. Consultant shall obtain and keep insurance policies in full force and effect as shown in **Exhibit D**, Insurance Requirements.

B. Consultant shall provide photocopies of Consultant's current Automobile insurance policy [or policies], including endorsements thereto, or current certificates of insurance in lieu thereof, to MPWMD.

C. Consultant shall require any subcontractor to provide evidence of the same insurance coverages specified in VII.A.

D. Consultant shall provide notice to MPWMD of any cancellation or material change in insurance coverage where MPWMD has been named as additional insured, such notice to be delivered to the MPWMD in accord with Section XV of this Agreement at least ten (10) days before the effective date of such change or cancellation of insurance.

E. Evidence acceptable to MPWMD that Consultant has complied with the provisions of this Section VII shall be provided to the MPWMD, prior to commencement of work under this Agreement.

F. All policies carried by the Consultant shall provide primary coverage instead of any and all other policies that may be in force. MPWMD shall not be responsible for any premium due for the insurance coverages specified in this Agreement.

SECTION VIII CHANGES AND CHANGED CONDITIONS

A. If, during the course of the work herein contemplated, the need to change the Scope of Work or the Work Schedule should arise, for whatever reasons, whichever party first identifies such need to change shall notify the other party in writing. The representatives of the parties shall meet within seven (7) working days of the date of such notice to discuss the need for change so identified and to set the proposed action to be taken by the parties. A change in the Scope of Work may also result in a change in the compensation amount. Compensation changes shall be based upon the Consultant Budget and Fee Schedule (**Exhibit C**) attached hereto. Any changes agreed to shall be documented by duly executed amendments to this Agreement.

B. MPWMD reserves the right to specify individual employees, subcontractors or agents of Consultant who shall be assigned to perform the tasks specified in **Exhibit A**, Scope of Services. If, during the course of the work herein contemplated, there is a change such that the specified individual employees, subcontractors or agents are no longer assigned to the work described in this contract and/or are no longer affiliated with Consultant, Consultant shall immediately notify MPWMD in writing. Consultant shall assign the rights to this contract to another entity, if requested by MPWMD, as part of termination proceedings pursuant to Section IX, Termination.

SECTION IX TERMINATION

A. MPWMD may terminate Consultant's services at any time by written notice to Consultant at least thirty (30) days prior to such termination. Upon receipt of written notice from MPWMD that this Agreement is terminated, Consultant shall submit an invoice for an amount that represents the value of services actually performed to the date of said notice for which Consultant has not previously been compensated. Upon approval of this invoice by MPWMD, Consultant shall be paid from the sum found due after having applied the

provisions of Section III, Paragraph (D) of this Agreement, "Late Performance Penalty," where applicable, and MPWMD shall have no further obligation to Consultant, monetarily or otherwise.

B. Upon receipt of written notice of termination, the Consultant shall (1) promptly discontinue all services affected (unless the notice directs otherwise), and (2) deliver or otherwise make available to MPWMD, copies, including magnetic media, of data, design calculations, drawings, specifications, reports, estimates, summaries and other such information and materials as may have been accumulated by the Consultant in performing the services under this Agreement.

SECTION X SUB-CONTRACTING AND ASSIGNABILITY

Consultant shall not sub-contract any portion of the work required by this Agreement nor otherwise assign or transfer any interest in it without prior written approval of MPWMD. Any work or services subcontracted hereunder shall be specified by written contract or agreement and shall be subject to each provision of this Agreement.

SECTION XI DISCRIMINATION AND FAIR EMPLOYMENT

Attention is directed to Section 1735 of the California Labor Code, which reads as follows:

> "No discrimination shall be made in the employment of persons upon public works because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the government code and every Consultant for public works violating this section is subject to all penalties imposed by a violation of this chapter."

During the performance of this Agreement, Consultant and its contractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (cancer), age (over 40), marital status, and denial of family care leave. Consultant and its contractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Consultant and its contractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12990 (a-f) et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full.

SECTION XII INTEREST OF CONSULTANT

Consultant covenants that Consultant presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement.

SECTION XIII CONTINGENT FEES

Consultant warrants that Consultant has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement, and that Consultant has not paid or agreed to pay any company, or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gifts, or other consideration, contingent upon or resulting from the award or making of this Agreement. For breach of violation of this warranty, MPWMD shall have the right to annul this Agreement without liability or at its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage, gift or contingent fee.

SECTION XIV DISPUTES

In the event of a dispute arising out of the performance of this Agreement either party shall, as soon as a conflict is identified, submit a written statement of the conflict to the other party. Within five (5) working days of receipt of such a statement of conflict, the second party will respond and a meeting will be arranged not more than five (5) working days thereafter to arrive at a negotiated settlement or procedure for settlement. If, within twenty (20) working days from the initial filing of a statement of conflict an agreement cannot be reached, it is agreed that the dispute may be resolved in a court of law competent to hear this matter. This Agreement shall be construed in accord with California law and it is agreed that venue shall be in the County of Monterey. The prevailing party shall be awarded costs of suit, and attorneys' fees.

SECTION XV NOTICES

All communications to either party by the other shall be deemed given when made in writing and delivered or mailed to such party at its respective address, as follows:

MPWMD: Maureen Hamilton
Monterey Peninsula Water Management District
5 Harris Court, Building G
or
P. O. Box 85
Monterey, CA 93942-0085

CONSULTANT: Andrew Sterbenz
Schaaf & Wheeler
3 Quail Run Circle, Ste 100
Salinas, CA 93907

SECTION XVI AMENDMENTS

This Agreement together with **Exhibits A, B, C** and **D** sets forth the entire understanding of the parties with respect to the subject matter herein. There are no other agreements expressed or implied, oral or written, except as set forth herein. This Agreement may not be amended except upon written amendment, executed by both parties hereto.

SECTION XVII ATTACHMENTS

The following exhibits attached hereto and referred to in the preceding sections are, by reference, incorporated herein and made an integral part of this Agreement:

Exhibit A. Scope of Work
Exhibit B. Work Schedule
Exhibit C. Budget and Fee Schedule
Exhibit D. Insurance Requirements
Exhibit E. Drug Free Workplace Certification

IN WITNESS WHEREOF, the parties hereto have entered into this Agreement effective as of the day and year first above written.

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

_____ Date _____

BY: David J. Stoldt, General Manager

CONSULTANT

_____ Date _____

BY:

FEDERAL TAX IDENTIFICATION NUMBER:

EXHIBIT A – SCOPE OF WORK

Work must be performed using the latest version of AutoCAD. AutoCAD 3D is not required but may be desirable in the future.

The overall approach to the work includes, but is not limited to:

- Review MPWMD-requested drawing updates,
- incorporate pdf and hand drawings to AutoCAD drawings, and
- streamline and clean up drawings for consistency.

Update tasks include and are not limited to:

1. Extend ASR and PWM valving south on General Jim Moore Blvd.
2. Transfer Santa Margarita Water Treatment Facility conduit schedule from the specifications to drawings.
3. Create a drawing with underground pipes at Santa Margarita site depicted as double line pipes.
4. Add plat to Middle School site.
5. Technical Assistance:
    - Adding annotations in paper space,
    - SM_TOPO layers georeferencing, and
    - E-3B printing to depict future assets

Steps to achieve the scope of work include:

1. Drawing Update Request
    a. MPWMD will select a drawing and provide a written description of requested changes.
    b. MPWMD will convey the dwg file, additional drawings if any, and the description to Consultant.
    c. Consultant will review the drawing and requested change description.
        - Naming convention
        - Layers
        - Blocks/Symbols
        - Title block
        - Print layouts

    d. MPWMD and Consultant will meet remotely to discuss any concerns.
2. Consultant updates drawing.
    - MPWMD reviews and accepts drawing.
3. Site visits as required.

EXHIBIT B – WORK SCHEDULE

Task completion shall be within one calendar month after MPWMD-Consultant meeting. Unused time may be transferred to other tasks.

EXHIBIT C – BUDGET AND FEE SCHEDULE

The fee for the Scope of Work shall not exceed $30,000 and be billed according to the following fee schedule:

Hourly Charge Rate Schedule

Personnel Charges

Charges for personnel engaged in professional and/or technical work are based on the actual hours directly chargeable to the project.

Current rates by classification are listed below:

Classification	Rate/Hr
Principal Project Manager	$295
Senior Project Manager	$270
Senior Engineer	$250
Associate Engineer	$220
Assistant Engineer	$200
Junior Engineer	$185
Designer	$175
GIS Analyst	$175
Technician	$160
Engineering Trainee	$135

Litigation Charges

Court or deposition time as an expert witness is charged at $500 per hour.

Materials and Services

Subcontractors, special equipment, outside reproduction, data processing, computer services, etc., will be charged at 1.10 times cost.

Estimated Level of Effort for Drafting Tasks

Our estimated level of effort by drawing type is listed below. Effort will vary depending on the complexity of the drawing being modified.

Case 1: Revise existing drawing from AutoCAD file.

1. Replace and populate drawing frame
2. Update linework.
3. QC review

Typical Effort: 4-hours by Designer, 0.5-hours by Project Manager

Case 2: Revise existing drawing from image file.

1. Replace and populate drawing frame
2. Import image to AutoCAD and recreate linework
3. Update linework.
4. QC review

Typical Effort: 8-hours by Designer, 1-hour by Project Manager

Case 3: Create new drawing in AutoCAD.

1. Populate drawing frame
2. Draft the linework.
3. QC review

Typical Effort: 16-hours by Designer, 1-hour by Project Manager

EXHIBIT D – INSURANCE REQUIREMENTS

I. Subgrantee shall provide evidence of valid and collectible insurance carried for those exposures indicated by an "X".

A. __X__ Professional Liability Errors & Omissions
B. __X__ Workers Compensation and Employers Liability
C. __X__ Automobile Liability - "Any Auto - Symbol 1"
D. __X__ Comprehensive General Liability, including Bodily Injury, Property Damage and Personal Injury
E. _____ Owners & Contractors Protective
F. _____ Protection & Indemnity (Marine/Aviation)

II. The minimum limit of protection provided by insurance policies for each of the coverages listed above shall be not less than $2,000,000. The procurement and maintenance by the Subgrantee of the policies required to be obtained and maintained by Subgrantee under this Agreement shall not relieve or satisfy Subgrantee's obligation to indemnify, defend and save harmless the District.

III. Evidence of insurance carried shall be Certificates of Insurance for the current policies. The District shall be listed as a certificate holder on the Subgrantee's Comprehensive General Liability insurance policy and the policy must be endorsed to provide a 60-day prior written notice of cancellation.

IV. The District requires that all Subgrantees carry a commercial liability policy written on a broad comprehensive general liability form.

A. Such protection is to include coverage for the following hazards, indicated by an "X":

1. __X__ Premises and Operations
2. __X__ Products and Completed Operations
3. _____ Explosion Collapse and Underground
4. __X__ Broad Form Blanket Contractual
5. __X__ Broad Form Property Damage
6. __X__ Personal Injury, A, B & C
7. __X__ Employees named as Persons Insured
8. __X__ Protective and/or Contingent Liability (O&CP)

B. The "Persons Insured" provision on each comprehensive general liability policy shall include as an insured the "Monterey Peninsula Water Management District, its officers, directors, agents and employees."

C. This policy shall contain a severability of interest clause or similar language to the following:

"The insurance afforded applies separately to each insured against whom claim is made or suit is brought including claims made or suits brought by any persons

included within the persons insured provision of the insurance against any other such person or organization."

D. All policies shall contain a provision that the insurance company shall give the District at least thirty (30) days prior written notice mailed to the address shown below prior to any cancellation, lapse or non-renewal. The 30-day written notice must be shown on all certificates of insurance.

E. Certificates of Insurance for the current policies shall be delivered by the Subgrantee to the Risk Manager for the District as verification that terms A, B, C and D have been met.

V. All insurance correspondence, certificates, binders, etc., shall be mailed to:

Monterey Peninsula Water Management District
Attn: Administrative Services Manager
5 Harris Court, Building G
P.O. Box 85
Monterey, CA 93942-0085

VI. All policies carried by the Subgrantee shall be primary coverage to any and all other policies that may be in force. The District shall not be responsible for payment of premiums due as a result of compliance with the terms and conditions of the insurance requirements.

VII. All such policies of insurance shall be issued by domestic United States insurance companies with general policy holders' rating of not less than "B" and admitted to do business in the State of California. The policies of insurance so carried shall be carried and maintained throughout the term of this Agreement.

EXHIBIT E – DRUG-FREE WORKPLACE CERTIFICATION

The District is committed to maintaining a work environment free from the influence of alcohol and drugs in keeping with the spirit and intent of the Drug-Free Workplace Acts of 1988 and l990. Illegal drugs in the workplace are a danger to all of us. They impair health, promote crime, lower productivity and quality, and undermine public confidence in the work we do. The use of any controlled substances is inconsistent with the behavior expected of our employees, contractors, and subcontractors. It subjects all employees, contractors, and subcontractors, as well as visitors to our facilities and work site, to unacceptable safety risks and undermines the District's ability to operate effectively and efficiently. In this connection, any location at which Monterey Peninsula Water Management District business is conducted, whether on District property or at any other site, is declared to be a drug-free workplace. This means that:

1. All employees, contractors, and subcontractors are absolutely prohibited from engaging in the unlawful manufacture, distribution, dispensation, possession, sale, or use of a controlled substance in the workplace or while engaged in District business off our premises. Violation of this policy by contractors or subcontractors could result in termination of the contract for their services.
2. Employees, contractors, and subcontractors have the right to know the dangers of drug abuse in the workplace, the Monterey Peninsula Water Management District's policy about it, and what help is available to combat drug problems.
3. Any employee, contractor, or subcontractor convicted of violating a criminal drug statute in this agency's workplace must inform the District of such conviction (including pleas of guilty and nolo contendere) within five (5) days of its occurrence. Failure to do so by a contractor or subcontractor could result in termination of the contract for their services. By law, the District will notify the federal contracting officer within ten (10) days of receiving any notice of such a conviction.

ALL CONTRACTORS AND SUBCONTRACTORS ARE ASKED TO ACKNOWLEDGE THAT THEY HAVE READ THE ABOVE POLICY AND AGREE TO ABIDE BY IT IN ALL RESPECTS. BY LAW, THIS ACKNOWLEDGEMENT AND AGREEMENT ARE REQUIRED OF YOU AS A CONDITION OF ENTERING INTO THIS AGREEMENT.

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

16. CONSIDER RECOMMENDING TO AUTHORIZE MONTEREY BAY ANALYTICAL SERVICES TO PROVIDE LABORATORY SUPPORT FOR AQUIFER STORAGE AND RECOVERY, WATERMASTER MONITORING AND MAINTENANCE PLAN, AND CARMEL VALLEY ALLUVIAL AQUIFER WATER QUALITY MONITORING

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item:**	**Hydrologic Monitoring 1-2-2, 2-5-2, 2-5-3**
Prepared By:	**Jonathan Lear**	**Cost Estimate:**	**$30,000**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee discussed this item on June 10, 2024 and recommended_____.
CEQA Compliance: This action is a categoric exemption from CEQA under CEQA Guideline Section 15301 for "Existing Facilities." District will prepare a NOE for this effort

SUMMARY: Staff proposes to use Monterey Bay Analytical Services (MBAS) to complete water quality analysis in support of the District's Aquifer Storage and Recovery (ASR) Project, the Watermaster's Seaside Groundwater Basin Monitoring and Maintenance Program, and the District's Carmel Valley Alluvial Aquifer monitoring network. Each of the programs has a specific set of constituents, sample frequency, and locations required to satisfy the program contributing the variability of costs between the programs. The District currently has a business relationship with MBAS and is billed on a net 30 following completion of laboratory analysis.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize the General Manager to approve expenditures in an amount not-to-exceed $30,000 to complete laboratory analysis related to the ASR, Watermaster, and District Programs FY 2024-2025. The District allows contracts for professional specialized services and administrative matters under Chapter 5 of the Purchasing Policy and Gov. Code. 53060.

BACKGROUND: The District uses MBAS to complete the water quality laboratory analysis related to the ASR, Watermater and District programs. The following is an explanation of how MPAB is used in each program.

ASR: The Districts Carmel River ASR Program is enrolled in the General Permit for the injection of drinking water at the Regional Water Quality Control Board.

(https://www.dropbox.com/s/ryes0bpe4754a8y/MPWMD_NOA_ASR_final_signed%20%28003%29.pdf?dl=0)

Water quality sampling is driven by this permit and project operations which are controlled largely by the availability of excess runoff on the Carmel River Watershed. The total cost of the water quality program is unknown due to these factors, however the average cost of the program is less than the budget placeholder of $11,000. All funds spent on this program are reimbursed by CalAm through the ASR agreement.

Watermaster: The Seaside Groundwater Basin was Adjudicated in 2006. On May 25, 2006, the Basin Monitoring and Maintenance Plan was approved by the Monterey County Superior Court.

(https://www.seasidebasinwatermaster.org/seasidebasinwatermaster.org/Other/5-25-06BMMP%20Court%20Approval1.pdf)

This plan set the required hydrologic monitoring required by the Watermaster to measure the health and the effects of the Adjudication Decision on the Seaside Groundwater Basin. The District is under contract with the Watermaster to complete the hydrologic monitoring and database tasks to support this Plan. Budget allocated for this sampling over FY 2024-2025 is $17,000. All laboratory expenditures for the Watermaster are reimbursed through the contractual agreement to complete the work.

District CVAA Program: The District installed monitor wells into the Carmel Valley Alluvium in the late 1980's and began collecting water quality data from the monitoring network. Data from this network is used to track water quality related to septic systems in the Mid-Valley region and trends in salinity in the aquifer over periods of drought. Water quality sampling at private wells is also used when permitting Water Distribution Systems to determine if the private well is connected to the Alluvial Aquifer. Budget allocated for this program is $2,000 for FY 2024-2025.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

17. CONSIDER RECOMMENDATION TO AUTHROZE A CONTRACT WITH MONTGOMERY AND ASSOCIATES TO PROVIDE GROUNDWATER MODELING SUPPORT TO THE DISTRICT

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item:**	**Seaside Basin Modeling 1-5-1-A**
Prepared By:	**Jonathan Lear**	**Cost Estimate:**	**$55,000**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee discussed this item on June 10, 2024, and recommended_____.
CEQA Compliance: This action is a categoric exemption from CEQA under CEQA Guideline Section 15301 for "Existing Facilities." District will prepare a NOE for this effort

SUMMARY: District Staff has been working with two groundwater models over the past number of years to support the development of water resources projects, the evaluation of possibly removing Los Padres Reservoir, and the effects of climate change on the future of water resources on the Monterey Bay region. District staff has been working with Monterey One Water (M1W) and Montgomery and Associates to support the effort of expanding Pure Water Monterey and to permit the ongoing tracer test associated with the current operating project. District staff has been utilizing the United States Geological Survey (USGS) to support the effort of evaluating the alternatives for Los Padres Dam and climate change on the Carmel River Basin. The District currently has a Master Services Contract with Montgomery to provide modeling support. A line item of $55,000 is included in the FY2024-2025 budget to support the continued use of the Carmel River and Seaside Groundwater Basin Models by Montgomery.

As new water resource projects come online and more restrictive regulations on how much water can be produced from Carmel Valley, it is important that the District maintain the ability to model future iterations of projects and regulations as we plan for the Pure Water Monterey Expansion Project. Montgomery and Associates currently maintains the Seaside Basin model for the Watermaster and M1W and maintains the Carmel River Basin Model for the District. As the Expansion project is constructed and wells are performance tested, the groundwater system will need to be modeled with the new information to establish travel times of groundwater from injection wells to recovery wells. In addition, District Ordinance No. 183 will need to be updated with the results of this modeling as a requirement from the Department of Drinking Water to operate the expanded project.

(https://www.mpwmd.net/ordinances/final/ord183/Ordinance183.pdf)

The proposed contract amendment would provide the District the ability to retain the consultant that is already familiar with the water resources needs of the region in a timely manner to operate and maintain both groundwater models for District Purposes.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize and direct the General Manager to enter into a contract amendment with Montgomery and Associates to provide groundwater modeling support to the District in an amount not-to-exceed $55,000. The District allows contracts for professional specialized services and administrative matters under Chapter 5 of the Purchasing Policy and Gov. Code. 53060.

BACKGROUND: The District utilizes two groundwater models to simulate hydrologic processes associated with proposed projects such as the Pure Water Monterey Expansion and the investigation into the removal of Los Padres Dam. The Seaside Groundwater model was developed by the Seaside Watermaster in 2010 and the Carmel River Basin Hydrologic Model was developed by the USGS and District staff over the past 7 years. Both models are currently in use supporting projects including water resources and the evaluation of climate change on future water resources for the Monterey Bay Area.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

18. CONSIDER RECOMMENDATION TO EXTEND COOPERATIVE AGREEMENT WITH THE UNITED STATES GEOLOGICAL SURVEY FOR STREAMFLOW GAGING IN WATER YEAR 2025

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item:**	**Hydrologic Monitoring 2-5-1**
Prepared By:	**Jonathan Lear**	**Cost Estimate:**	**$55,000**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee discussed this item on June 10, 2024, and recommended_____.
CEQA Compliance: This action is a categoric exemption from CEQA under CEQA Guideline Section 15301 for "Existing Facilities." District will prepare a NOE for this effort

SUMMARY: The United States Geological Survey (USGS) operates two streamflow gaging stations on the Carmel River:

(1) Carmel River at Robles del Rio (No. 11143200) and
(2) Carmel River near Carmel (No. 11143250)

The upper or "Robles" gage is immediately downstream of Esquiline Bridge (River Mile 14.4) and the lower or "Carmel" gage is immediately downstream of Via Mallorca Bridge (River Mile 3.6). The Monterey Peninsula Water Management District (District) relies on the flow data from both of these stations to support ASR operations and both gages are named in the water rights associated with ASR diversions. It should be noted that the Robles del Rio station is funded by the Monterey County Water Resources Agency.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize the General Manager to execute the agreement with the USGS providing cooperative investigation of the water resources within the District for Water Year (WY) 2025 for an amount not-to-exceed $17,500.

BACKGROUND: The District has funded a cooperative water resources program with the USGS to monitor Carmel River streamflow since the late 1980s. Other than the District, the USGS is the only other independent agency that monitors continuous Carmel River streamflow. The Carmel station provides a long-term streamflow record that began in 1962. The USGS streamflow data provide a valuable cross check for the District's streamflow data when verifying the daily, annual, and peak flows that occur on the Carmel River. The USGS Carmel River streamflow data also support the District's implementation of Aquifer Storage and Recovery (ASR) operations in the

Seaside Groundwater Basin in that the data are utilized in real-time to assist in scheduling when to commence or cease injection, given current trends in streamflow conditions. In addition, as a cooperator with the USGS, the District has access to purchase equipment from the USGS Hydrologic Instrumentation Facility and keep informed of advancements in instrumentation. The Agreement for WY 2024 is included as Exhibit 17-A as an example of the agreement that would be negotiated in WY 2025.

IMPACT TO STAFF/RESOURCES: The District's share for the continuation of streamflow monitoring at the Carmel River near Carmel station for WY 2025 (October 1, 2024 - September 30, 2025) is $17,500.

EXHIBIT
None

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

19. CONSIDER RECOMMENDATION TO AUTHORIZE A CONTRACT WITH ONPOINT GENERATORS INC. TO PROVIDE AND INSTALL A GENERATOR

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt General Manager**	**Program/ Line Item No.:**	**XX-02-91800**
Prepared By:	**Simona Mossbacher/ Nishil Bali**	**Cost Estimate:**	**$58.900 plus taxes**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: The Fiscal Year 2023-24 budget includes funding to purchase a backup generator for the District. Staff is requesting authorization to contract with OnPoint Generators Inc. to provide and install a 48 KW Kohler generator in the District Office located at 5 Harris Ct. This generator will be used for emergency power for onsite servers and to keep select offices running in case of power outages.

Staff obtained quotes from three vendors as below:

- On Point Generators Inc. - $58,900.00
- Switched Electric - $59,508.59 (excludes installation of gas line)
- Day Electric - $62,144.00

Of the companies that responded, OnPoint Generators Inc. had the lowest price quote at $58,900 which includes all applicable permits, utility hook- ups, and a 5-year factory warranty. OnPoint is a well-respected company that has been in business for 43 years and services the Monterey County and Central Coast.

Staff is also requesting a 5% contingency for unforeseen changes during permitting or installation of the generator at the building premises and for hook-ups and connections with site utilities. This contingency will not be used unless needed.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board authorize the General Manager or his designee to enter into a contract with OnPoint Generators, Inc. to provide and install a 48 KW Generator in the amount of $58,900, plus any applicable taxes and approve a 5% contingency for this project.

EXHIBITS

19-A Draft Contract

19-B OnPoint Proposal

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EXHIBIT 19-A

AGREEMENT BETWEEN THE
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT AND
ONPOINT GENERATORS, INC
FOR SERVICES TO PROVIDE A GENERATOR

THIS AGREEMENT is entered into this _____ day of _____, 20___, by and between OnPoint Generators, Inc., hereinafter called "Contractor," and the Monterey Peninsula Water Management District, hereinafter called "MPWMD".

SECTION I - SCOPE OF SERVICES

MPWMD hereby engages Contractor for services as set forth in **Exhibit A**, Scope of Work.

SECTION II COMPENSATION

A. FEE SCHEDULE

Fees payable to Contractor for services specified herein shall be in accordance with the Budget and Fee Schedule in **Exhibit B**.

B. METHOD OF PAYMENT

Payment of fees shall be based on work completed, as documented in monthly billings submitted by Contractor. Monthly billings shall include previous invoice amount, current invoice amount, and remaining budget.

Payments are due and payable within thirty (30) days after receipt of each invoice subject to a finding by MPWMD that work performed has been satisfactory and that payment is for the work specified in **Exhibit A**, Scope of Work. Where MPWMD finds the work to be unsatisfactory, MPWMD shall describe deficiencies in writing to Contractor within ten (10) days.

The final invoice for work performed shall be submitted not later than sixty (60) days following notification by MPWMD of completion of such work. The final invoice shall be paid not later than thirty (30) days after receipt of the final invoice.

C. MAXIMUM PAYMENT

Payments to Contractor for services rendered and expenses incurred under this Agreement **shall not exceed $58,900.**

D. LATE PERFORMANCE PENALTY

With respect to the work within its direct control, in the event Contractor is unable to perform satisfactory work consistent with the professional skill and care ordinarily provided by professionals practicing in the State of California under the same or similar circumstances within thirty (30) calendar days of the date such work is due, MPWMD may, in its discretion, withhold an additional five percent (5%) of the fees which would otherwise be payable pursuant to the fee schedule set forth in Exhibit B. This amount may be increased to a maximum of 10% after sixty (60) calendar days of the date such work is due.

Contractor shall not be responsible for delays to the Schedule due to actions outside of its immediate control. Delays due to lack of performance by other parties shall be documented and the Schedule adjusted to reflect the length of the delay incurred.

SECTION III TIME OF PERFORMANCE

Contractor shall begin work upon the effective date of this Agreement and shall complete all tasks described herein according to the agreed upon time frame, and consistent with the professional skill and care ordinarily provided by engineering professionals practicing in the State of California under the same or similar circumstances.

SECTION IV INSPECTION OF WORK

The books, papers, records and accounts of Contractor or any subcontractors retained by Contractor insofar as they relate to charges for services, or are in any way connected with the work herein contemplated, shall be open at all reasonable times to inspection and audit by the agents and authorized representatives of MPWMD. Said records shall be retained for a minimum of five (5) years after completion of services.

SECTION V OWNERSHIP OF PROJECT REPORT AND EQUIPMENT PURCHASED

All original documents, explanations of methods, maps, tables, computer programs, reports and other documents prepared under this Agreement and equipment purchased specifically for the project shall become the exclusive property of MPWMD. Digital data used to generate tables, figures, diagrams, images, Geographical Information System (GIS) or Computer Aided Design (CAD) layers shall be considered separate deliverables and shall be provided to MPWMD after acceptance by MPWMD of the final work product(s). All original source files shall be provided to MPWMD after acceptance by MPWMD of the final work product(s).

Contractor may retain copies for its own use.

SECTION VI RESPONSIBILITIES

A. Contractor represents that it has or will secure at its own expense all personnel, materials, and related services required to perform the services under this Agreement. Contractor shall

act as an independent contractor and not as an agent or employee of MPWMD. Contractor shall have exclusive and complete control over its employees and subcontractors, and shall determine the method of performing the services hereunder.

B. Upon request, MPWMD shall provide Contractor with all relevant data and studies in its possession without charge. Contractor represents that it is familiar with such materials provided by MPWMD and that they are sufficient to discharge MPWMD's obligation hereunder.

C. MPWMD shall coordinate and arrange for all meetings required to be held with other agencies or persons hereunder, unless otherwise specified in **Exhibit A**, Scope of Services.

D. Contractor shall be responsible for the reproduction of work produced by Contractor hereunder.

E. The officers, agents, and employees of MPWMD shall cooperate with Contractor in the performance of services under this agreement without charge to Contractor. Contractor agrees to use such services insofar as feasible in order to effectively discharge Contractor's obligations hereunder and further agrees to cooperate with MPWMD's officers, agents and employees.

F. The Contractor agrees to indemnify, defend and save harmless MPWMD, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, material men, laborers and any other person, firm or corporation who may be injured or damaged by the negligent acts, errors, and/or omissions of the Contractor, Contractor's employees, or Contractor's subcontractors or subcontractors in the performance of this Agreement.

G. Contractor shall provide products and perform all services required pursuant to this Agreement in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care, skill, and diligence ordinarily exercised under similar conditions (Standard of Care) by a member of Contractor's profession currently practicing in California.

SECTION VII INSURANCE

A. Contractor shall obtain and keep insurance policies in full force and effect as shown in **Exhibit C**, Insurance Requirements.

B. Contractor shall provide photocopies of its current Automobile insurance policy [or policies], including endorsements thereto, or current certificates of insurance in lieu thereof, to MPWMD.

C. Contractor shall require any subcontractor to provide evidence of the same insurance coverages specified in VII.A.

D. Contractor shall provide notice to MPWMD of any cancellation or material change in insurance coverage where MPWMD has been named as additional insured, such notice to be delivered to the MPWMD in accord with Section XV of this Agreement at least ten (10) days before the effective date of such change or cancellation of insurance.

E. Evidence acceptable to MPWMD that Contractor has complied with the provisions of this Section VII shall be provided to the MPWMD, prior to commencement of work under this Agreement.

F. All policies carried by the Contractor shall provide primary coverage instead of any and all other policies that may be in force. MPWMD shall not be responsible for any premium due for the insurance coverages specified in this Agreement.

SECTION VIII CHANGES AND CHANGED CONDITIONS

A. If, during the course of the work herein contemplated, the need to change the Scope of Work or the Work Schedule should arise, for whatever reasons, whichever party first identifies such need to change shall notify the other party in writing. The representatives of the parties shall meet within seven (7) working days of the date of such notice to discuss the need for change so identified and to set the proposed action to be taken by the parties. A change in the Scope of Work may also result in a change in the compensation amount. Compensation changes shall be based upon the Contractor Budget and Fee Schedule (**Exhibit B**) attached hereto. Any changes agreed to shall be documented by duly executed amendments to this Agreement.

B. MPWMD reserves the right to specify individual employees, subcontractors or agents of Contractor who shall be assigned to perform the tasks specified in **Exhibit A**, Scope of Services. If, during the course of the work herein contemplated, there is a change such that the specified individual employees, subcontractors or agents are no longer assigned to the work described in this contract and/or are no longer affiliated with Contractor, Contractor shall immediately notify MPWMD in writing. Contractor shall assign the rights to this contract to another entity, if requested by MPWMD, as part of termination proceedings pursuant to Section IX, Termination.

SECTION IX TERMINATION

A. MPWMD may terminate Contractor's services at any time by written notice to Contractor at least thirty (30) days prior to such termination. Upon receipt of written notice from MPWMD that this Agreement is terminated, Contractor shall submit an invoice for an amount that represents the value of services actually performed to the date of said notice for which it has not previously been compensated. Upon approval of this invoice by MPWMD, Contractor shall be paid from the sum found due after having applied the provisions of Section II, Paragraph (D) of this Agreement, "Late Performance Penalty," where applicable, and MPWMD shall have no further obligation to Contractor, monetarily or otherwise.

B. Upon receipt of written notice of termination, the Contractor shall (1) promptly discontinue all services affected (unless the notice directs otherwise), and (2) deliver or otherwise make available to MPWMD, copies, including magnetic media, of data, design calculations, drawings, specifications, reports, estimates, summaries and other such information and materials as may have been accumulated by the Contractor in performing the services under this Agreement.

SECTION X SUB-CONTRACTING AND ASSIGNABILITY

Contractor shall not sub-contract any portion of the work required by this Agreement nor otherwise assign or transfer any interest in it without prior written approval of MPWMD. Any work or services subcontracted hereunder shall be specified by written contract or agreement and shall be subject to each provision of this Agreement.

SECTION XI DISCRIMINATION AND FAIR EMPLOYMENT

Attention is directed to Section 1735 of the California Labor Code, which reads as follows:

> "No discrimination shall be made in the employment of persons upon public works because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the government code and every Contractor for public works violating this section is subject to all penalties imposed by a violation of this chapter."

During the performance of this Agreement, Contractor and its contractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (cancer), age (over 40), marital status, and denial of family care leave. Contractor and its contractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Contractor and its contractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12990 (a-f) et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full.

SECTION XII INTEREST OF CONTRACTOR

Contractor covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement.

SECTION XIII CONTINGENT FEES

Contractor warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Contractor to solicit or secure this Agreement, and that it has not paid or agreed to pay any company, or person, other than a bona fide employee working solely for Contractor, any fee, commission, percentage, brokerage fee, gifts, or other consideration, contingent upon or resulting from the award or making of this Agreement. For breach of violation of this warranty, MPWMD shall have the right to annul this Agreement without liability or at its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage, gift or contingent fee.

SECTION XIV DISPUTES

In the event of a dispute arising out of the performance of this Agreement either party shall, as soon as a conflict is identified, submit a written statement of the conflict to the other party. Within five (5) working days of receipt of such a statement of conflict, the second party will respond and a meeting will be arranged not more than five (5) working days thereafter to arrive at a negotiated settlement or procedure for settlement. If, within twenty (20) working days from the initial filing of a statement of conflict an agreement cannot be reached, it is agreed that the dispute may be resolved in a court of law competent to hear this matter. This Agreement shall be construed in accord with California law and it is agreed that venue shall be in the County of Monterey. The prevailing party shall be awarded costs of suit, and attorneys' fees.

SECTION XV NOTICES

All communications to either party by the other shall be deemed given when made in writing and delivered or mailed to such party at its respective address, as follows:

MPWMD:
David Stoldt
Monterey Peninsula Water Management District
5 Harris Court, Building G
or
P. O. Box 85
Monterey, CA 93942-0085

CONTRACTOR:
OnPoint Generators, Inc.
1632 Del Monte Blvd.
Seaside, CA 93955

SECTION XVI AMENDMENTS

This Agreement together with **Exhibits A, B, C** and **D** sets forth the entire understanding of the parties with respect to the subject matter herein. There are no other agreements expressed or implied, oral or written, except as set forth herein. This Agreement may not be amended except upon written amendment, executed by both parties hereto.

SECTION XVII ATTACHMENTS

The following exhibits attached hereto and referred to in the preceding sections are, by reference, incorporated herein and made an integral part of this Agreement:

Exhibit A. Scope of Work
Exhibit B. Budget and Fee Schedule
Exhibit C. Insurance Requirements
Exhibit D. Drug Free Workplace Certification

IN WITNESS WHEREOF, the parties hereto have entered into this Agreement effective as of the day and year first above written.

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

_____ **Date** _____

BY: David J. Stoldt, General Manager

CONTRACTOR

_____ **Date** _____

BY:

FEDERAL TAX IDENTIFICATION NUMBER:

EXHIBIT A – SCOPE OF WORK

Contract includes installation of a 48 KW, Kohler generator, natural gas, 120/208 three phase, liquid cooled, 1800 rpm, 60 HZ with standard features including all utility hook-ups and testing and the following equipment:

- Automatic transfer switch, 200amps nema three, with exercise clock and battery charger
- Sound attenuated aluminum weather housing dba's 61 @ 23'
- Environmentally coated windings
- Critical grade silencer
- Block heater 120vac-1500w
- Unit mounted radiator
- Circuit breaker 200 amps
- Voltage regulation 2%
- Governor: Electronic
- Natural gas fuel system with flexible fuel line
- Starting battery, battery rack and cables
- Five-year factory warranty

Installation: Deliver and offload new generator, using a crane. New concrete pad. Set in place on concrete pad. Trenching. Electrical hook-up of generator to automatic transfer switch. Natural gas hook-up with new gas line. All applicable permits, Monterey Bay Air Resources District, City and Fire department with signage, drawings, submittals and inspections. Start-up, warranty activation and testing of generator with all fluids to have generator on-line.

Terms and conditions: A 10% deposit is required upon acceptance of proposal. Remainder to be paid upon completion.

EXHIBIT B – FEES

Installation, generator, and transfer switch: $58,900.00.

EXHIBIT C – INSURANCE REQUIREMENTS

I. Subgrantee shall provide evidence of valid and collectible insurance carried for those exposures indicated by an "X".

A. ____ Professional Liability Errors & Omissions
B. __X__ Workers Compensation and Employers Liability
C. __X__ Automobile Liability - "Any Auto - Symbol 1"
D. __X__ Comprehensive General Liability, including Bodily Injury, Property Damage and Personal Injury
E. __X__ Owners & Contractors Protective
F. _____ Protection & Indemnity (Marine/Aviation)

II. The minimum limit of protection provided by insurance policies for each of the coverages listed above shall be not less than $2,000,000. The procurement and maintenance by the Subgrantee of the policies required to be obtained and maintained by Subgrantee under this Agreement shall not relieve or satisfy Subgrantee's obligation to indemnify, defend and save harmless the District.

III. Evidence of insurance carried shall be Certificates of Insurance for the current policies. The District shall be listed as a certificate holder on the Subgrantee's Comprehensive General Liability insurance policy and the policy must be endorsed to provide a 60-day prior written notice of cancellation.

IV. The District requires that all Subgrantees carry a commercial liability policy written on a broad comprehensive general liability form.

A. Such protection is to include coverage for the following hazards, indicated by an "X":

1. __X__ Premises and Operations
2. __X__ Products and Completed Operations
3. _____ Explosion Collapse and Underground
4. __X__ Broad Form Blanket Contractual
5. __X__ Broad Form Property Damage
6. __X__ Personal Injury, A, B & C
7. __X__ Employees named as Persons Insured
8. __X__ Protective and/or Contingent Liability (O&CP)

B. The "Persons Insured" provision on each comprehensive general liability policy shall include as an insured the "Monterey Peninsula Water Management District, its officers, directors, agents and employees."

C. This policy shall contain a severability of interest clause or similar language to the following:

"The insurance afforded applies separately to each insured against whom claim is made or suit is brought including claims made or suits brought by any persons included within the persons insured provision of the insurance against any other such person or organization."

D. All policies shall contain a provision that the insurance company shall give the District at least thirty (30) days prior written notice mailed to the address shown below prior to any cancellation, lapse or non-renewal. The 30-day written notice must be shown on all certificates of insurance.

E. Certificates of Insurance for the current policies shall be delivered by the Subgrantee to the Risk Manager for the District as verification that terms A, B, C and D have been met.

V. All insurance correspondence, certificates, binders, etc., shall be mailed to:

Monterey Peninsula Water Management District
Attn: Administrative Services Manager
5 Harris Court, Building G
P.O. Box 85
Monterey, CA 93942-0085

VI. All policies carried by the Subgrantee shall be primary coverage to any and all other policies that may be in force. The District shall not be responsible for payment of premiums due as a result of compliance with the terms and conditions of the insurance requirements.

VII. All such policies of insurance shall be issued by domestic United States insurance companies with general policy holders' rating of not less than "B" and admitted to do business in the State of California. The policies of insurance so carried shall be carried and maintained throughout the term of this Agreement.

EXHIBIT D – DRUG-FREE WORKPLACE CERTIFICATION

The District is committed to maintaining a work environment free from the influence of alcohol and drugs in keeping with the spirit and intent of the Drug-Free Workplace Acts of 1988 and l990. Illegal drugs in the workplace are a danger to all of us. They impair health, promote crime, lower productivity and quality, and undermine public confidence in the work we do. The use of any controlled substances is inconsistent with the behavior expected of our employees, contractors, and subcontractors. It subjects all employees, contractors, and subcontractors, as well as visitors to our facilities and work site, to unacceptable safety risks and undermines the District's ability to operate effectively and efficiently. In this connection, any location at which Monterey Peninsula Water Management District business is conducted, whether on District property or at any other site, is declared to be a drug-free workplace. This means that:

1. All employees, contractors, and subcontractors are absolutely prohibited from engaging in the unlawful manufacture, distribution, dispensation, possession, sale, or use of a controlled substance in the workplace or while engaged in District business off our premises. Violation of this policy by contractors or subcontractors could result in termination of the contract for their services.
2. Employees, contractors, and subcontractors have the right to know the dangers of drug abuse in the workplace, the Monterey Peninsula Water Management District's policy about it, and what help is available to combat drug problems.
3. Any employee, contractor, or subcontractor convicted of violating a criminal drug statute in this agency's workplace must inform the District of such conviction (including pleas of guilty and nolo contendere) within five (5) days of its occurrence. Failure to do so by a contractor or subcontractor could result in termination of the contract for their services. By law, the District will notify the federal contracting officer within ten (10) days of receiving any notice of such a conviction.

ALL CONTRACTORS AND SUBCONTRACTORS ARE ASKED TO ACKNOWLEDGE THAT THEY HAVE READ THE ABOVE POLICY AND AGREE TO ABIDE BY IT IN ALL RESPECTS. BY LAW, THIS ACKNOWLEDGEMENT AND AGREEMENT ARE REQUIRED OF YOU AS A CONDITION OF ENTERING INTO THIS AGREEMENT.

EXHIBIT 19-B

OnPoint Generators Inc.
1632 del Monte Blvd.
Seaside Ca. 93955
License #1106359
831-375-1463

PROPOSAL

June 4, 2024

Monterey Peninsula Water Management District
5 Harris Court, Bldg. G
Monterey, Ca. 93940
831-548-5600
nishil@mpwmd.net

We propose a 48 KW, Kohler generator, natural fueled, 120/208 volts, three phase, 1800 rpm, liquid cooled. 60 HZ with standard features and the following equipment. Generator will power entire building.

Automatic transfer switch, 200amps nema three, with exercise clock and battery charger
Sound attenuated aluminum weather housing dba's 61 @ 23'
Environmentally coated windings
Critical grade silencer
Block heater 120vac-1500w
Unit mounted radiator
Circuit breaker 200 amps
Voltage regulation 2%
Governor: Electronic
Natural gas fuel system with flexible fuel line
Starting battery, battery rack and cables
Five-year factory warranty

Installation: Deliver and off-load new generator, using a crane. New concrete pad. Trenching. Electrical hook-up of generator to new automatic transfer switch. Natural gas hook-up of generator using new gas line. All applicable permits, Monterey Bay Air Resource District,City and Fire Department with signage, drawings, submittals and inspections. Start-up, warranty activation and testing of generator with all fluids to have generator on-line.

Installation, generator and transfer switch: $58,900.00. (Excludes applicable taxes)
Upon acceptance of proposal please call for scheduling.

Terms and conditions: A 10% deposit is required upon acceptance of proposal. Remainder to be paid upon completion. Upon signature of proposal generators are special ordered to customer specifications and are non-returnable. Quote valid for thirty days from above date.

Signature: _____Date: _____

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

20. CONSIDER ADOPTION OF TREASURER'S REPORT FOR APRIL 2024

Meeting Date:	**June 10, 2024**	**Budgeted:**	**N/A**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**N/A**
Prepared By:	**Nishil Bali**	**Cost Estimate:**	**N/A**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee considered this item on June 10, 2024, and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: Exhibit 20-A comprises the Treasurer's Report for April 2024. **Exhibit 20-B** includes listings of check disbursements for the period April 1-30, 2024. Checks, virtual checks (AP Automation), direct deposits of employee paychecks, payroll tax deposits, and bank charges resulted in total disbursements for the period in the amount of $607,083.82. There were $27,549 in conservation rebates paid out during the current period. **Exhibit 20-C** reflects the unaudited version of the Statement of Revenues and Expenditures for the month ending April 30, 2024.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board adopt the April 2024 Treasurer's Report and Statement of Revenues and Expenditures and ratify the disbursements made during the month.

EXHIBITS
20-A Treasurer's Report
20-B Listing of Cash Disbursements-Regular
20-C Statement of Revenues and Expenditures

EXHIBIT 20-A

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
TREASURER'S REPORT FOR APRIL 2024

Description	Checking	MPWMD Money Market	L.A.I.F.	Multi-Bank Securities*	MPWMD Total	PB Reclamation Money Market
Beginning Balance	**$717,614.95**	**$3,968,114.32**	**$12,346,208.77**	**$8,996,985.28**	**$26,028,923.32**	**$191,196.20**
Fee Deposits		614,780.05			614,780.05	140,641.86
MoCo Tax & WS Chg Installment Pymt		2,580,628.63			2,580,628.63	
Interest Received			120,281.84	31,296.77	151,578.61	
Transfer - Checking/LAIF					0.00	
Transfer - Money Market/LAIF					0.00	
Transfer - Money Market/Checking	2,000,000.00	(2,000,000.00)			0.00	
Transfer - Money Market/Multi-Bank					0.00	
Transfer to CAWD					0.00	(250,000.00)
Voided Checks					0.00	
Bank Corrections/Reversals/Errors					0.00	
Bank Charges/Other	-				0.00	
Credit Card Fees	(657.92)				(657.92)	
Returned Deposits	-				0.00	
Payroll Tax/Benefit Deposits	(154,613.11)				(154,613.11)	
Payroll Checks/Direct Deposits	(151,548.04)				(151,548.04)	
General Checks	(490.00)				(490.00)	
Rebate Payments	(27,549.00)				(27,549.00)	
Bank Draft Payments	(34,823.56)				(34,823.56)	
AP Automation Payments	(237,402.19)				(237,402.19)	
Ending Balance	**$2,110,531.13**	**$5,163,523.00**	**$12,466,490.61**	**$9,028,282.05**	**$28,768,826.79**	**$81,838.06**

* Fixed Income investments are reported at face value

EXHIBIT 20-B

My Check Report

Monterey Peninsula Water Management D

By Check Number

Date Range: 04/01/2024 - 04/30/2024

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK	**-Bank of America Checking**					
06746	POSTMASTER	04/08/2024	Regular	0.00	320.00	40835
03979	Special Districts Association of Monterey Count	04/19/2024	Regular	0.00	120.00	40836
01002	Monterey County Clerk	04/26/2024	Regular	0.00	50.00	40837
16237	California Water Efficiency Partnership	04/08/2024	Virtual Payment	0.00	1,200.00	APA004434
00224	City of Monterey	04/08/2024	Virtual Payment	0.00	697.75	APA004435
00028	Colantuono, Highsmith, & Whatley, PC	04/08/2024	Virtual Payment	0.00	5,170.50	APA004436
11822	CSC (Deed Recording Fees)	04/08/2024	Virtual Payment	0.00	10,000.00	APA004437
06001	Cypress Coast Ford	04/08/2024	Virtual Payment	0.00	215.00	APA004438
18734	DeVeera Inc.	04/08/2024	Virtual Payment	0.00	5,170.25	APA004439
22793	ETech Consulting, LLC	04/08/2024	Virtual Payment	0.00	393.75	APA004440
12655	Graphicsmiths	04/08/2024	Virtual Payment	0.00	124.50	APA004441
02833	Greg James	04/08/2024	Virtual Payment	0.00	1,413.12	APA004442
00073	Grindstone Sharpening	04/08/2024	Virtual Payment	0.00	34.00	APA004443
00993	Harris Court Business Park	04/08/2024	Virtual Payment	0.00	793.39	APA004444
00222	M.J. Murphy	04/08/2024	Virtual Payment	0.00	24.74	APA004445
00259	Marina Coast Water District	04/08/2024	Virtual Payment	0.00	2,753.56	APA004446
00259	Marina Coast Water District	04/08/2024	Virtual Payment	0.00	740.14	APA004447
01012	Mark Dudley	04/08/2024	Virtual Payment	0.00	540.00	APA004448
22201	Montgomery & Associates	04/08/2024	Virtual Payment	0.00	1,229.00	APA004449
13396	Navia Benefit Solutions, Inc.	04/08/2024	Virtual Payment	0.00	1,343.74	APA004450
00262	Pure H2O	04/08/2024	Virtual Payment	0.00	65.54	APA004451
13394	Regional Government Services	04/08/2024	Virtual Payment	0.00	6,586.53	APA004452
00024	Three Amigos Pest Control DBA Central Coast E	04/08/2024	Virtual Payment	0.00	104.00	APA004453
00225	Trowbridge Enterprises Inc.	04/08/2024	Virtual Payment	0.00	117.66	APA004454
23550	WellmanAD	04/08/2024	Virtual Payment	0.00	8,425.00	APA004455
06009	yourservicesolution.com	04/08/2024	Virtual Payment	0.00	12,908.00	APA004456
01188	Alhambra	04/12/2024	Virtual Payment	0.00	207.05	APA004457
00263	Arlene Tavani	04/12/2024	Virtual Payment	0.00	1,088.93	APA004458
18734	DeVeera Inc.	04/12/2024	Virtual Payment	0.00	6,587.76	APA004459
24162	James Tynan	04/12/2024	Virtual Payment	0.00	240.00	APA004460
05830	Larry Hampson	04/12/2024	Virtual Payment	0.00	1,413.12	APA004461
13431	Lynx Technologies, Inc	04/12/2024	Virtual Payment	0.00	3,375.00	APA004462
00222	M.J. Murphy	04/12/2024	Virtual Payment	0.00	31.25	APA004463
05829	Mark Bekker	04/12/2024	Virtual Payment	0.00	600.36	APA004464
00118	MB Carpet & Janitorial Inc.	04/12/2024	Virtual Payment	0.00	1,260.00	APA004465
00242	MBAS	04/12/2024	Virtual Payment	0.00	2,795.00	APA004466
00274	Monterey One Water	04/12/2024	Virtual Payment	0.00	250.21	APA004467
00154	Peninsula Messenger Service	04/12/2024	Virtual Payment	0.00	520.00	APA004468
00755	Peninsula Welding Supply, Inc.	04/12/2024	Virtual Payment	0.00	64.50	APA004469
04709	Sherron Forsgren	04/12/2024	Virtual Payment	0.00	462.76	APA004470
19700	Shute, Mihaly & Weinberger LLP	04/12/2024	Virtual Payment	0.00	32,962.19	APA004471
00225	Trowbridge Enterprises Inc.	04/12/2024	Virtual Payment	0.00	351.07	APA004472
00271	UPEC, Local 792	04/12/2024	Virtual Payment	0.00	1,212.00	APA004473
20230	Zoom Video Communications Inc	04/12/2024	Virtual Payment	0.00	470.32	APA004474
00010	Access Monterey Peninsula	04/22/2024	Virtual Payment	0.00	1,750.00	APA004475
00763	ACWA-JPIA	04/22/2024	Virtual Payment	0.00	338.98	APA004476
00253	AT&T	04/22/2024	Virtual Payment	0.00	1,354.67	APA004477
16237	California Water Efficiency Partnership	04/22/2024	Virtual Payment	0.00	900.00	APA004478
00281	CoreLogic Information Solutions, Inc.	04/22/2024	Virtual Payment	0.00	1,396.27	APA004479
04717	Inder Osahan	04/22/2024	Virtual Payment	0.00	1,413.12	APA004480
03857	Joe Oliver	04/22/2024	Virtual Payment	0.00	733.00	APA004481
00094	John Arriaga	04/22/2024	Virtual Payment	0.00	3,400.00	APA004482
19897	John K. Cohan dba Telemetrix	04/22/2024	Virtual Payment	0.00	8,835.49	APA004483
04715	Matthew Lyons	04/22/2024	Virtual Payment	0.00	987.84	APA004484

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
07418	McMaster-Carr	04/22/2024	Virtual Payment	0.00	504.74	APA004485
16182	Monterey County Weekly	04/22/2024	Virtual Payment	0.00	1,350.00	APA004486
25765	Monterey Fire Extinguisher Inc	04/22/2024	Virtual Payment	0.00	531.37	APA004487
01199	Monterey Signs, Inc.	04/22/2024	Virtual Payment	0.00	295.00	APA004488
13396	Navia Benefit Solutions, Inc.	04/22/2024	Virtual Payment	0.00	1,143.74	APA004489
00257	Pacific Grove Chamber of Commerce	04/22/2024	Virtual Payment	0.00	465.00	APA004490
00036	Parham Living Trust	04/22/2024	Virtual Payment	0.00	2,550.00	APA004491
00755	Peninsula Welding Supply, Inc.	04/22/2024	Virtual Payment	0.00	100.43	APA004492
24869	Raftelis Financial Consultants, Inc.	04/22/2024	Virtual Payment	0.00	2,185.00	APA004493
13394	Regional Government Services	04/22/2024	Virtual Payment	0.00	193.60	APA004494
24365	Robert J. Lippi	04/22/2024	Virtual Payment	0.00	737.44	APA004495
09989	Star Sanitation Services	04/22/2024	Virtual Payment	0.00	140.91	APA004496
09425	The Ferguson Group LLC	04/22/2024	Virtual Payment	0.00	6,000.00	APA004497
17965	The Maynard Group	04/22/2024	Virtual Payment	0.00	2,194.21	APA004498
00269	U.S. Bank	04/22/2024	Virtual Payment	0.00	6,063.82	APA004499
00767	AFLAC	04/26/2024	Virtual Payment	0.00	612.90	APA004563
12601	Carmel Valley Ace Hardware	04/26/2024	Virtual Payment	0.00	49.52	APA004564
04040	City of Seaside	04/26/2024	Virtual Payment	0.00	57,946.40	APA004565
00028	Colantuono, Highsmith, & Whatley, PC	04/26/2024	Virtual Payment	0.00	89.50	APA004566
00993	Harris Court Business Park	04/26/2024	Virtual Payment	0.00	396.85	APA004567
00993	Harris Court Business Park	04/26/2024	Virtual Payment	0.00	396.54	APA004568
00222	M.J. Murphy	04/26/2024	Virtual Payment	0.00	438.52	APA004569
00242	MBAS	04/26/2024	Virtual Payment	0.00	2,254.00	APA004570
18325	Minuteman Press Monterey	04/26/2024	Virtual Payment	0.00	108.45	APA004571
16182	Monterey County Weekly	04/26/2024	Virtual Payment	0.00	970.00	APA004572
00755	Peninsula Welding Supply, Inc.	04/26/2024	Virtual Payment	0.00	105.92	APA004573
26481	Printworks Solutions LP	04/26/2024	Virtual Payment	0.00	7,191.65	APA004574
00176	Sentry Alarm Systems	04/26/2024	Virtual Payment	0.00	309.25	APA004575
04359	The Carmel Pine Cone	04/26/2024	Virtual Payment	0.00	726.00	APA004576
00024	Three Amigos Pest Control DBA Central Coast E	04/26/2024	Virtual Payment	0.00	104.00	APA004577
21876	Timothy G. Scarpa	04/26/2024	Virtual Payment	0.00	420.00	APA004578
07769	University Corporation at Ryan Ranch	04/26/2024	Virtual Payment	0.00	5,436.23	APA004579
00750	Valley Saw & Garden Equipment	04/26/2024	Virtual Payment	0.00	415.14	APA004580
00266	I.R.S.	04/05/2024	Bank Draft	0.00	16,292.78	DFT0003247
00266	I.R.S.	04/05/2024	Bank Draft	0.00	3,353.00	DFT0003248
00267	Employment Development Dept.	04/05/2024	Bank Draft	0.00	6,253.30	DFT0003249
00266	I.R.S.	04/05/2024	Bank Draft	0.00	64.76	DFT0003250
00266	I.R.S.	04/05/2024	Bank Draft	0.00	3.92	DFT0003251
00266	I.R.S.	04/05/2024	Bank Draft	0.00	54.84	DFT0003252
00266	I.R.S.	04/05/2024	Bank Draft	0.00	234.36	DFT0003253
00282	PG&E	04/05/2024	Bank Draft	0.00	2,881.07	DFT0003254
00282	PG&E	04/05/2024	Bank Draft	0.00	83.34	DFT0003255
00282	PG&E	04/05/2024	Bank Draft	0.00	45.59	DFT0003256
00252	Cal-Am Water	04/05/2024	Bank Draft	0.00	200.04	DFT0003257
00252	Cal-Am Water	04/05/2024	Bank Draft	0.00	79.09	DFT0003258
07627	Purchase Power	04/05/2024	Bank Draft	0.00	105.60	DFT0003259
04736	Pitney Bowes Global Financial Svc, LLC	04/05/2024	Bank Draft	0.00	392.41	DFT0003260
00282	PG&E	04/12/2024	Bank Draft	0.00	19.34	DFT0003261
00277	Home Depot Credit Services	04/12/2024	Bank Draft	0.00	15.16	DFT0003262
18163	Wex Bank	04/12/2024	Bank Draft	0.00	1,519.74	DFT0003263
00256	PERS Retirement	04/02/2024	Bank Draft	0.00	19,048.82	DFT0003264
00266	I.R.S.	04/19/2024	Bank Draft	0.00	12,644.16	DFT0003267
00266	I.R.S.	04/19/2024	Bank Draft	0.00	3,056.22	DFT0003268
00267	Employment Development Dept.	04/19/2024	Bank Draft	0.00	5,099.48	DFT0003269
00266	I.R.S.	04/19/2024	Bank Draft	0.00	21.58	DFT0003270
16235	California Department of Tax and Fee Administ	04/10/2024	Bank Draft	0.00	397.00	DFT0003271
00769	Laborers Trust Fund of Northern CA	04/12/2024	Bank Draft	0.00	36,984.00	DFT0003272
00253	AT&T	04/19/2024	Bank Draft	0.00	-1,354.67	DFT0003273
00253	AT&T	04/19/2024	Bank Draft	0.00	1,354.67	DFT0003273
00277	Home Depot Credit Services	04/19/2024	Bank Draft	0.00	136.21	DFT0003274
00282	PG&E	04/19/2024	Bank Draft	0.00	16,716.88	DFT0003275

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
00252	Cal-Am Water	04/26/2024	Bank Draft	0.00	196.35	DFT0003283
00277	Home Depot Credit Services	04/26/2024	Bank Draft	0.00	155.83	DFT0003284
00282	PG&E	04/26/2024	Bank Draft	0.00	14,090.10	DFT0003285
18737	U.S. Bank Equipment Finance	04/26/2024	Bank Draft	0.00	871.81	DFT0003286
00256	PERS Retirement	04/12/2024	Bank Draft	0.00	19,247.29	DFT0003294
00256	PERS Retirement	04/26/2024	Bank Draft	0.00	19,222.48	DFT0003295
00768	MissionSquare Retirement- 302617	04/05/2024	Bank Draft	0.00	4,975.06	DFT0003298
00768	MissionSquare Retirement- 302617	04/19/2024	Bank Draft	0.00	4,975.06	DFT0003299

Bank Code APBNK Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	3	3	0.00	490.00
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	50	36	0.00	189,436.67
EFT's	0	0	0.00	0.00
Virtual Payments	138	84	0.00	237,477.19
	191	**123**	**0.00**	**427,403.86**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: REBATES-02-Rebates: Use Only For Rebates						
26674	Alex Zheng	04/26/2024	Virtual Payment	0.00	500.00	APA004500
26652	Beth Fishback	04/26/2024	Virtual Payment	0.00	500.00	APA004501
26640	Bret Boatman	04/26/2024	Virtual Payment	0.00	500.00	APA004502
26672	Brynn Kaufman	04/26/2024	Virtual Payment	0.00	200.00	APA004503
26627	Carol Oman	04/26/2024	Virtual Payment	0.00	500.00	APA004504
22272	Carter Fries	04/26/2024	Virtual Payment	0.00	75.00	APA004505
26651	Cecilia Gable	04/26/2024	Virtual Payment	0.00	500.00	APA004506
24601	Christopher Gouthro	04/26/2024	Virtual Payment	0.00	125.00	APA004507
26645	Christopher Nelson	04/26/2024	Virtual Payment	0.00	500.00	APA004508
26637	Clark Pennelly	04/26/2024	Virtual Payment	0.00	500.00	APA004509
26625	Crystal Crawford	04/26/2024	Virtual Payment	0.00	500.00	APA004510
26673	Darryl E Burns	04/26/2024	Virtual Payment	0.00	75.00	APA004511
24454	David Taylor	04/26/2024	Virtual Payment	0.00	250.00	APA004512
26632	Dennis Crabb	04/26/2024	Virtual Payment	0.00	500.00	APA004513
26160	Denver Dale	04/26/2024	Virtual Payment	0.00	500.00	APA004514
26629	Douglas Hewitt	04/26/2024	Virtual Payment	0.00	500.00	APA004515
26646	Elizabeth Grammatico	04/26/2024	Virtual Payment	0.00	500.00	APA004516
26642	Eric Willson	04/26/2024	Virtual Payment	0.00	500.00	APA004517
20977	Gary Kress	04/26/2024	Virtual Payment	0.00	125.00	APA004518
26670	Gaudenz Panholzer	04/26/2024	Virtual Payment	0.00	200.00	APA004519
26624	Gordon Houtman	04/26/2024	Virtual Payment	0.00	500.00	APA004520
26660	Harvey Pantzis	04/26/2024	Virtual Payment	0.00	500.00	APA004521
26659	James Wunderlich	04/26/2024	Virtual Payment	0.00	500.00	APA004522
26669	Janeen Tuitupou	04/26/2024	Virtual Payment	0.00	200.00	APA004523
25916	Jared Witmer	04/26/2024	Virtual Payment	0.00	75.00	APA004524
26641	Jean-Paul Tarman	04/26/2024	Virtual Payment	0.00	500.00	APA004525
26667	Jeff Ogden	04/26/2024	Virtual Payment	0.00	125.00	APA004526
26664	Jeff Scroggin	04/26/2024	Virtual Payment	0.00	325.00	APA004527
26643	Joseph Smelser	04/26/2024	Virtual Payment	0.00	500.00	APA004528
26647	Joshua Seager	04/26/2024	Virtual Payment	0.00	500.00	APA004529
25875	Kristin Paris	04/26/2024	Virtual Payment	0.00	150.00	APA004530
26656	Larry C Lindstrom	04/26/2024	Virtual Payment	0.00	500.00	APA004531
26639	Lawrence Mallia	04/26/2024	Virtual Payment	0.00	500.00	APA004532
26663	Lucinda Lipori	04/26/2024	Virtual Payment	0.00	500.00	APA004533
26623	Mark Angel	04/26/2024	Virtual Payment	0.00	2,455.00	APA004534
26628	Mary MacVicar	04/26/2024	Virtual Payment	0.00	500.00	APA004535
26661	Maureen Rombeau	04/26/2024	Virtual Payment	0.00	500.00	APA004536
05488	Mehdi Aghadadashi	04/26/2024	Virtual Payment	0.00	125.00	APA004537
26162	Melanie Cekalski	04/26/2024	Virtual Payment	0.00	960.00	APA004538
26630	Michael Russo	04/26/2024	Virtual Payment	0.00	500.00	APA004539
26638	Michael Succaro	04/26/2024	Virtual Payment	0.00	500.00	APA004540
26668	Mike Morgan	04/26/2024	Virtual Payment	0.00	325.00	APA004541
26666	Morgan Ivens-Duran	04/26/2024	Virtual Payment	0.00	125.00	APA004542
26635	Nancy Kitahara	04/26/2024	Virtual Payment	0.00	500.00	APA004543
26648	Nora Ward	04/26/2024	Virtual Payment	0.00	500.00	APA004544
26636	Pam Miller	04/26/2024	Virtual Payment	0.00	500.00	APA004545
26634	Prapaporn Sujun	04/26/2024	Virtual Payment	0.00	500.00	APA004546
21005	Robert Drezner	04/26/2024	Virtual Payment	0.00	500.00	APA004547
26671	Robert Miller	04/26/2024	Virtual Payment	0.00	159.00	APA004548
26653	Roger Newton	04/26/2024	Virtual Payment	0.00	500.00	APA004549
25884	Seung Baek	04/26/2024	Virtual Payment	0.00	500.00	APA004550
26658	Stephanie McNamara	04/26/2024	Virtual Payment	0.00	500.00	APA004551
26657	Susan Hawthorne	04/26/2024	Virtual Payment	0.00	500.00	APA004552
26655	Susan Rush	04/26/2024	Virtual Payment	0.00	500.00	APA004553
26665	Susanne Habib Huddleston	04/26/2024	Virtual Payment	0.00	125.00	APA004554
26649	Timothy Miller	04/26/2024	Virtual Payment	0.00	500.00	APA004555
26631	Tom Rusert	04/26/2024	Virtual Payment	0.00	500.00	APA004556
24145	Tor Hanssen	04/26/2024	Virtual Payment	0.00	200.00	APA004557
20687	Vernon Fernandez	04/26/2024	Virtual Payment	0.00	150.00	APA004558
26633	Victor Alves	04/26/2024	Virtual Payment	0.00	500.00	APA004559

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
26650	Wenhua Cao	04/26/2024	Virtual Payment	0.00	500.00	APA004560
26662	William Lutz	04/26/2024	Virtual Payment	0.00	500.00	APA004561
26626	Zeke Rippy	04/26/2024	Virtual Payment	0.00	500.00	APA004562

Bank Code REBATES-02 Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	0	0	0.00	0.00
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
Virtual Payments	63	63	0.00	27,549.00
	63	**63**	**0.00**	**27,549.00**

All Bank Codes Check Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	3	3	0.00	490.00
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	50	36	0.00	189,436.67
EFT's	0	0	0.00	0.00
Virtual Payments	201	147	0.00	265,026.19
	254	**186**	**0.00**	**454,952.86**

Fund Summary

Fund	Name	Period	Amount
99	POOL CASH FUND	4/2024	454,952.86
			454,952.86

EXHIBIT 20-C

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
STATEMENT OF REVENUES AND EXPENDITURES
FOR THE MONTH APRIL 30, 2024

	Mitigation	Conservation	Water Supply	Current Period Activity	Current FY Year-to-Date Actual	Current FY Annual Budget	Prior FY Year-to-Date Actual
REVENUES							
Property taxes	$ 44,696	$ 942,564	$ 184,734	$ 1,171,994	$ 2,675,611	$ 2,600,000	$ 1,429,959
Water supply charge			1,429,528	1,429,528	3,288,908	3,400,000	2,022,764
User fees	110,495	287,119	66,967	464,581	5,131,627	6,000,000	4,238,393
Mitigation revenue	-			-	-	-	-
PWM Water Sales			-	-	11,399,151	13,275,500	12,201,000
Capacity fees			26,255	26,255	788,901	500,000	336,154
Permit fees	-	22,173		22,173	200,073	1,273,000	172,582
Investment income	39,693	38,490	42,099	120,282	436,571	150,000	226,048
Miscellaneous	-	-	-	-	8,082	15,000	14,331
Sub-total district revenues	**194,884**	**1,290,347**	**1,749,582**	**3,234,813**	**23,928,924**	**27,213,500**	**20,641,230**
Project reimbursements	-	22,802	-	22,802	640,893	1,251,200	2,027,609
Legal fee reimbursements		3,948		3,948	15,032	16,000	4,050
Grants	-	-	58,674	58,674	246,870	10,840,000	458,949
Recording fees		4,840		4,840	48,620	85,000	24,981
Sub-total reimbursements	**-**	**31,590**	**58,674**	**90,264**	**951,414**	**12,192,200**	**2,515,590**
From Reserves	-	-	-	-	-	2,067,550	-
Total revenues	**194,884**	**1,321,937**	**1,808,256**	**3,325,077**	**24,880,338**	**41,473,250**	**23,156,820**
EXPENDITURES							
Personnel:							
Salaries	76,600	49,327	98,996	224,922	2,418,426	3,147,800	2,200,067
Retirement	7,471	4,758	9,398	21,627	730,052	820,700	723,747
Unemployment Compensation	-	-	-	-	-	10,100	-
Auto Allowance	92	92	277	462	4,731	6,000	4,754
Deferred Compensation	165	165	495	825	8,653	10,700	8,031
Temporary Personnel	-	-	-	-	14,877	10,000	6,264
Workers Comp. Ins.	3,117	268	2,088	5,473	61,421	56,600	58,855
Employee Insurance	18,643	13,426	19,937	52,005	468,174	583,700	438,545
Medicare & FICA Taxes	1,169	779	1,527	3,475	35,975	49,500	36,698
Personnel Recruitment	38	37	41	116	2,084	8,000	513
Other benefits	66	64	70	200	2,184	2,000	1,678
Staff Development	-	200	-	200	7,440	26,400	9,252
Sub-total personnel costs	**107,361**	**69,116**	**132,828**	**309,305**	**3,754,017**	**4,731,500**	**3,488,405**
Services & Supplies:							
Board Member Comp	980	980	1,010	2,970	22,815	37,000	27,405
Board Expenses	40	38	42	120	9,190	8,000	6,947
Rent	587	157	597	1,341	20,285	26,300	19,998
Utilities	1,122	1,088	1,190	3,400	32,469	33,200	28,658
Telephone	644	624	703	1,971	48,846	47,000	39,372
Facility Maintenance	1,371	1,329	1,454	4,154	48,435	55,100	29,736
Bank Charges	252	244	267	764	9,841	25,100	12,782
Office Supplies	1,365	1,324	1,448	4,137	15,760	24,200	31,916
Courier Expense	316	307	335	958	6,355	7,600	7,074
Postage & Shipping	68	66	72	207	4,273	7,500	5,599
Equipment Lease	-	-	-	-	9,058	13,100	9,930
Equip. Repairs & Maintenance	-	-	-	-	4,722	5,100	3,157
Photocopy Expense				-			
Printing/Duplicating/Binding	-	-	-	-	1,335	-	2
IT Supplies/Services	3,111	3,017	3,300	9,428	271,995	280,000	266,773
Operating Supplies	503	4	93	600	18,644	21,200	5,529
Legal Services	5,329	6,266	46,091	57,686	325,109	400,000	237,394

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
STATEMENT OF REVENUES AND EXPENDITURES
FOR THE MONTH APRIL 30, 2024

	Mitigation	Conservation	Water Supply	Current Period Activity	Current FY Year-to-Date Actual	Current FY Annual Budget	Prior FY Year-to-Date Actual
Professional Fees	6,542	6,344	6,939	19,825	311,312	455,100	255,725
Transportation	2,072	255	503	2,830	33,203	31,000	25,537
Travel	-	-	-	-	7,286	19,500	18,273
Meeting Expenses	1,356	1,341	1,412	4,109	10,841	19,800	16,837
Insurance	7,667	8,117	7,449	23,233	228,026	273,000	144,482
Legal Notices	-	-	-	-	-	2,600	231
Membership Dues	153	1,049	523	1,725	38,545	41,200	47,418
Public Outreach	116	112	123	350	3,105	3,100	1,095
Assessors Administration Fee	473	9,974	10,446	20,893	20,893	34,000	-
Miscellaneous	-	-	-	-	387	3,200	393
Sub-total services & supplies costs	**34,067**	**42,636**	**83,995**	**160,699**	**1,502,731**	**1,872,900**	**1,242,262**
Project expenditures	25,481	57,166	51,415	134,062	13,074,768	30,470,958	14,985,875
Fixed assets	-	-	-	-	80,701	246,000	325,826
Contingencies	-	-	-	-	-	50,536	-
Election costs	-	-	-	-	-	-	-
Debt service: Principal				-			
Debt service: Interest	-	-	-	-	75	-	49,009
Flood drought reserve	-	-	-	-	-	171,056	-
Capital equipment reserve	-	-	-	-	-	330,300	-
General fund balance	-	-	-	-	-	-	270
Debt Reserve	-	-	-	-	-	-	-
Water Supply Charge Reserve	-	-	1,429,528	1,429,528	3,288,908	3,400,000	-
Pension reserve	-	-	-	-	-	100,000	-
OPEB reserve	-	-	-	-	-	100,000	-
Sub-total other	**25,481**	**57,166**	**1,480,942**	**1,563,589**	**16,444,451**	**34,868,850**	**15,360,980**
Total expenditures	**166,909**	**168,918**	**1,697,765**	**2,033,593**	**21,701,199**	**41,473,250**	**20,091,646**
Excess (Deficiency) of revenues over expenditures	**$ 27,975**	**$ 1,153,019**	**$ 110,491**	**$ 1,291,485**	**$ 3,179,139**	**$ -**	**$ 3,065,174**

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: ACTION ITEM

21. CONSIDER ADOPTION OF RESOLUTION NO. 2024-08 CERTIFYING COMPLIANCE WITH STATE LAW WITH RESPECT TO THE LEVYING OF GENERAL AND SPECIAL TAXES, ASSESSMENTS, AND PROPERTY-RELATED FEES AND CHARGES

Meeting Date:	**June 10, 2024**	**Budgeted:**	**Yes**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**Revenues**
Prepared By:	**Nishil Bali**	**Cost Estimate:**	**$9,000**

General Counsel Approval: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024 and recommended _____.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: At its February 23, 2012 meeting, the Board directed staff to implement a Proposition 218 process for the development of water supply fees and charges, including the hiring of a rate consultant and the development of the necessary ordinances, resolutions, and notices for implementation thereof.

At its April 16, 2012 meeting, the Board reviewed as an informational item two alternative draft resolutions for the collection mechanism of the proposed annual Water Supply Charge. At its June 27, 2012 meeting, the Board reviewed and approved Resolution 2012-06 for the collection of Water Supply Charge through the County Assessor's Office. At this time, the Board is asked to adopt Resolution 2024-xx certifying compliance with State law with respect to the Water Supply Charge to allow the County of Monterey to continue collection of the Water Supply Charge on the property tax bill. This Resolution gets adopted by our Board annually.

The County will charge the District 0.25% of the amount that is collected by the County. The approximate collection fee for this fiscal year will be $9,000.

RECOMMENDATION: The Finance and Administration Committee may recommend that the Board review and adopt Resolution No. 2024-08 and authorize the County of Monterey for collection of Water Supply Charge on the property tax bill.

BACKGROUND: Two alternatives were proposed for the collection of the water supply charge: Alternative A was bills sent directly by the District or through a third-party mailing house: Alternative B was the use of the semi-annual County Assessor's bill, similar to what is the current practice for Carmel Area Wastewater District and the water recipients under the Castroville Seawater intrusion Project. At its June 27, 2012 meeting, the Board reviewed and

approved Resolution 2012-06 for the collection of Water Supply Charges through the County Assessor's Office.

EXHIBIT
21-A Resolution No. 2024-08

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EXHIBIT 21-A

DRAFT
RESOLUTION NO. 2024-08

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE MONTEREY PENINSULA WATER MANAGEMENT DISTRICT CERTIFYING COMPLIANCE WITH STATE LAW WITH RESPECT TO THE LEVYING OF GENERAL AND SPECIAL TAXES, ASSESSMENTS, AND PROPERTY-RELATED FEES AND CHARGES

WHEREAS, Monterey Peninsula Water Management District ("Public Agency") requests that the Monterey County Auditor-Controller enter those general or special taxes, assessments, or property-related Fees or charges identified in Exhibit "A" on the tax roll for collection and distribution by the Monterey County Treasurer-Tax Collector commencing with the property tax bills for fiscal year 2024-25;

NOW, THEREFORE, BE IT RESOLVED, as follows:

1. The Public Agency hereby certifies that it has, without limitation, complied with all legal procedures and requirements necessary for the levying and imposition of the general or special taxes, assessments, or property-related fees or charges identified in Exhibit "A", regardless of whether those procedures and requirements are set forth in the Constitution of the State of California, in State statutes, or in the applicable decisional law of the State of California.

2. The Public Agency further certifies that, except for the sole negligence or misconduct of the County of Monterey, its officers, employees, and agents, with regards to the handling of the Cd or electronic file identified as Exhibit "A", the Public Agency shall be solely liable and responsible for defending, at its sole expense, cost, and risk, each and every action, suit, or other proceeding brought against the County of Monterey, its officers, employees, and agents for every claim, demand, or challenge to the levying or imposition of the general or special taxes, assessments, or property-related fees or charges identified in Exhibit "A" and that it shall pay or satisfy any judgment rendered against the County of Monterey, its officers, employees, and agents on every such action, suit, or other proceeding, including

all claims for refunds and interest thereon, legal fees and court costs, and administrative expenses of the County of Monterey to correct the tax rolls.

PASSED AND ADOPTED on the 17th day of June 2024 on a motion by Director _____ and second by Director _____ by the following vote, to wit:

AYES:
NAYS:
ABSENT:

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify that the foregoing is a resolution duly adopted on the 17th day of June 2024.

Dated: _____

_____
David J. Stoldt,
Secretary to the Board

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FINANCE AND ADMINISTRATION COMMITTEE

ITEM: INFORMATIONAL ITEM

22. REPORT ON ACTIVITY/PROGRESS ON CONTRACTS OVER $25,000

Meeting Date:	**June 10, 2024**	**Budgeted:**	**N/A**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**N/A**
Prepared By:	**Nishil Bali**	**Cost Estimate:**	**N/A**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: Attached for review as **Exhibit 22-A** is a monthly status report on contracts over $25,000 for the period April 2024. This status report is provided for information only, no action is required.

EXHIBIT
22-A Status on District Open Contracts (over $25k)

EXHIBIT 22-A

Monterey Peninsula Water Management District
Status on District Open Contracts (over $25K)
For The Period April 2024

	Contract	Description	Date Authorized	Contract Amount	Prior Period Expended To Date	Current Period Spending	Total Expended To Date	Current Period Acitivity	P.O. Number
1	DUDEK	IRWM IR2 Grant Administration	10/1/2022	$ 90,510.00	$ -	$ 577.50	$ 577.50	Current period billing for IRWM IR2 grant administration services	PO03718
2	Colantuono, Highsmith, & Whatley, PC	MTA Legal services for appeal to Water Supply Charge	9/15/2021	$ 50,000.00	$ -	$ 27,940.00	$ 27,940.00	Current period billing for legal services Water Supply Charge	PO03715
3	John K. Cohan dba Telemetrix	Consultant Services for Sleepy Hollow Facility	6/30/2023	$ 29,600.00	$ -	$ 8,835.49	$ 8,835.49	Current period billing for Sleepy Hollow operations consulting services	PO03693
4	Rutan & Tucker, LLP	Measure J/Rule 19.8 Eminent Domain Phase IV	2/24/2023	$ 200,000.00	$ 46,649.57		$ 46,649.57		PO03639
5	DeVeera Inc.	Surveillance Video Equipment & Installation	2/24/2023	$ 37,955.00	$ 35,951.71		$ 35,951.71		PO03578
6	Telemetrix	Flood Repair Services for Sleepy Hollow Facility	1/23/2023	$ 85,000.00	$ 41,124.09		$ 41,124.09		PO03556
7	Rincon Consultants, Inc.	Environmental Consulting Services for Water Allocation	5/25/2023	$ 29,000.00	$ 21,944.25		$ 21,944.25		PO03525
8	Regional Government Services	HR Contracted Services for FY 2023-2024	6/20/2023	$ 25,000.00	$ 22,113.07		$ 22,113.07		PO03499
9	Tyler Technologies	Incode Software Maintenance 09/2023-08/2024	6/20/2023	$ 33,266.25	$ 32,673.11		$ 32,673.11		PO03476
10	Schaaf & Wheeler	Drawing Support Services	4/23/2023	$ 30,000.00	$ 6,752.50		$ 6,752.50		PO03474
11	Lynx Technologies, Inc	GIS Consultant Contract for 2023-2024	6/20/2023	$ 35,000.00	$ 25,500.00	$ 2,550.00	$ 28,050.00	Current period billing for GIS services	PO03475
12	DeVeera Inc.	IT Managed Services Contract FY 2023-2024	6/15/2020	$ 62,500.00	$ 46,728.00	$ 5,192.00	$ 51,920.00	Current period billing for IT managed services	PO03433
13	JEA & Associates	Legislative and Administrative Services	6/20/2023	$ 40,800.00	$ 30,600.00	$ 3,400.00	$ 34,000.00	Current period retainer billing	PO03412
14	The Ferguson Group LLC	Contract for Legislative Services for FY 2023-2024	6/20/2023	$ 72,000.00	$ 54,207.53	$ 6,000.00	$ 60,207.53	Current period retainer billing	PO03411
15	Montgomery & Associates	Annual Groundwater Modeling Support	6/20/2023	$ 55,000.00	$ -		$ -		PO03408
16	Maggiora Bros. Drilling, Inc	ASR Support from Maggiora Bros for Well Work	6/20/2023	$ 50,000.00	$ -		$ -		PO03407
17	Pueblo Water Resources, Inc.	ASR Operations Support	6/20/2023	$ 25,000.00	$ -		$ -		PO03406
18	CSC	Recording Fees	7/1/2023	$ 50,000.00	$ 30,000.00	$ 10,000.00	$ 40,000.00	Current period payment for e-recording services	PO03402
19	WellmanAD	Public Outreach Consultant	7/1/2023	$ 94,500.00	$ 71,975.00	$ 7,875.00	$ 79,850.00	Current period payment for public outreach retainer	PO03380
20	Montgomery & Associates	Tularcitos ASR Feasibility Study	3/20/2023	$ 119,200.00	$ 14,642.00		$ 14,642.00		PO03368
21	Kevin Robert Knapp/ Tierra Plan LLC	Surface Water Data Portal	11/14/2022	$ 27,730.00	$ 24,025.81		$ 24,025.81		PO03302
22	City of Monterey	MPWMD Local Water Project Development Grant	10/17/2022	$ 25,000.00	$ 14,955.50		$ 14,955.50		PO03242
23	DeVeera Inc.	HP Smart Array 2062 SAN Server	12/12/2022	$ 160,000.00	$ 157,273.63		$ 157,273.63		PO03222
24	DeVeera Inc.	Board Conference Room A/V Upgrade	12/12/2022	$ 30,000.00	$ 19,012.00		$ 19,012.00		PO03221
25	Access Monterey Peninsula	Board Conference Room A/V Upgrade	12/12/2022	$ 25,000.00	$ 24,383.71		$ 24,383.71		PO03220

Monterey Peninsula Water Management District
Status on District Open Contracts (over $25K)
For The Period April 2024

	Contract	Description	Date Authorized	Contract Amount	Prior Period Expended To Date	Current Period Spending	Total Expended To Date	Current Period Acitivity	P.O. Number
26	Montgomery & Associates	Annual Groundwater Modeling Support	6/20/2022	$ 50,000.00	$ 7,957.00		$ 7,957.00		PO03193
27	Telemetrix	Consultant Services for Sleepy Hollow Facility	6/20/2022	$ 27,060.00	$ 24,554.64		$ 24,554.64		PO03121
28	De Lay & Laredo	Measure J/Rule 19.8 Appraisal/Water Rights	8/15/2022	$ 75,000.00	$ 45,490.46		$ 45,490.46		PO03113
29	Monterey One Water	PWM Expansion Project Amd #6	11/15/2021	$ 1,200,000.00	$ 909,545.39		$ 909,545.39		PO03042
30	DeVeera Inc.	BDR Datto Services Contract FY 2022-2024	9/6/2019	$ 43,920.00	$ 37,332.00		$ 37,332.00		PO03027
31	MBAS	ASR Water Quality	6/20/2022	$ 40,000.00	$ 14,202.00		$ 14,202.00		PO02982
32	City of Sand City	IRWM Grant Reimbursement	3/28/2022	$ 1,084,322.50	$ 33,435.30		$ 33,435.30		PO03093
33	Montgomery & Associates	Annual Groundwater Modeling support	11/15/2021	$ 50,000.00	$ 45,351.00		$ 45,351.00		PO02849
34	DUDEK	Grant administration services for the Proposition 1 IRWM Implementation	12/14/2020	$ 114,960.00	$ 51,387.50	$ 891.25	$ 52,278.75	Current period billing for Prop 1 IRWM grant administration services	PO02847
35	Shute, Mihaly & Weinberger LLP	Measure J LAFCO Litigation Legal Services	1/1/2022	$ 484,000.00	$ 415,984.63	$ 17,316.47	$ 433,301.10	Current period billing for LAFCO Measure J litigation services	PO02843
36	Reiff Manufacturing	Quarantine tanks for the Sleepy Hollow steelhead facility	10/18/2022	$ 48,000.00	$ 40,350.00		$ 40,350.00		PO02824
37	Tetra Tech, Inc.	Engineering services Sleepy Hollow Facility Upgrade	6/21/2021	$ 67,500.00	$ 46,108.64		$ 46,108.64		PO02693
38	Monterey One Water	PWM Deep Injection Well #4 Design/Construction	9/21/2020	$ 4,070,000.00	$ 1,935,602.04		$ 1,935,602.04		PO02604
39	Weston Solutions, Inc.	UXO Support Services	6/15/2020	$ 26,378.70	$ 6,521.66		$ 6,521.66		PO02371
40	Pueblo Water Resources, Inc.	ASR SMWTF Engineering Services During Construction	10/21/2019	$ 148,100.00	$ 142,709.87		$ 142,709.87		PO02163
41	U.S. Bank Equipment Finance	Copier machine leasing - 60 months	7/15/2019	$ 52,300.00	$ 48,938.99	$ 871.81	$ 49,810.80	Current period billing for photocopy machine lease	PO02108
42	DUDEK	Consulting Services for Prop 1 grant proposal	4/15/2019	$ 95,600.00	$ 94,315.05		$ 94,315.05		PO01986
43	Tetra Tech, Inc.	Engineering services Sleepy Hollow Facility Upgrade	7/16/2018	$ 30,000.00	$ 26,878.87		$ 26,878.87		PO01880
44	Pueblo Water Resources, Inc.	ASR Backflush Basin Expansion, CM services	7/16/2018	$ 96,034.00	$ 68,919.39		$ 68,919.39		PO01778
45	Colantuono, Highsmith, & Whatley, PC	MPTA Legal Matter	7/1/2018	$ 250,000.00	$ 249,425.78		$ 249,425.78		PO01707
46	Pueblo Water Resources, Inc.	SSAP Water Quality Study	8/21/2017	$ 94,437.70	$ 44,318.11		$ 44,318.11		PO01510
47	Pueblo Water Resources, Inc.	Seaside Groundwater Basin Geochemical Study	1/24/2018	$ 68,679.00	$ 57,168.85		$ 57,168.85		PO01628

FINANCE AND ADMINISTRATION COMMITTEE

ITEM: INFORMATIONAL ITEM

23. STATUS REPORT ON SPENDING – PUBLIC'S OWNERSHIP OF MONTEREY WATER SYSTEM

Meeting Date:	**June 10, 2024**	**Budgeted:**	**N/A**
From:	**David J. Stoldt, General Manager**	**Program/ Line Item No.:**	**N/A**
Prepared By:	**Nishil Bali**	**Cost Estimate:**	**N/A**

General Counsel Review: N/A
Committee Recommendation: The Finance and Administration Committee reviewed this item on June 10, 2024.
CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: Attached for review as **Exhibit 23-A** is a monthly status report on spending – Public's Ownership of Monterey Water System for the period April 2024. This status report is provided for information only, no action is required.

EXHIBIT
23-A Status Report on Spending – Public's Ownership of Monterey Water System

EXHIBIT 23-A

Monterey Peninsula Water Management District
Status on Public's Ownership of Monterey Water System - Phase IV
Eminent Domain Proceedings through Bench Trial
Through April 2024

	Contract	Date Authorized	Authorized Amount	Prior Period Spending	Current Period Spending	Total Expended To Date	Spending Remaining	Project No.
1	Phase IV - Authorization (unallocated)	11/13/2023	$ 50,000.00	$ -		$ -	$ 50,000.00	
2	Eminent Domain Legal Counsel (Rutan)	12/16/2019	$ 200,000.00	$ 46,649.57		$ 46,649.57	$ 153,350.43	PA00009-01
3	Eminent Domain Legal Counsel (SMW)	12/16/2019	$ 100,000.00	$ 57,808.88	$ 17,316.47	$ 75,125.35	$ 24,874.65	PA00009-02
4	Financial Services	8/21/2023	$ 200,000.00	$ 11,862.50	$ 1,187.50	$ 13,050.00	$ 186,950.00	PA00009-03
5	District Legal Counsel		$ 70,000.00	$ 64,177.00	$ 8,629.00	$ 72,806.00	$ (2,806.00)	PA00009-05
	Total		**$ 620,000.00**	**$ 180,497.95**	**$ 27,132.97**	**$ 207,630.92**	**$ 412,369.08**	

Status on Public's Ownership of Monterey Water System - Phase III
Appraisal through Resolution of Necessity
Through October 2023

	Contract	Date Authorized	Authorized Amount	Prior Period Spending	Current Period Spending	Total Expended To Date	Spending Remaining	Project No.
1	Eminent Domain Legal Counsel	12/16/2019	$ 200,000.00	$ 98,283.28		$ 98,283.28	$ 101,716.72	PA00007-01
2	Appraisal Services	4/17/2023	$ 220,000.00	$ 220,000.75		$ 220,000.75	$ (0.75)	PA00007-03
3	District Legal Counsel	12/16/2019	$ 100,000.00	$ 46,361.50		$ 46,361.50	$ 53,638.50	PA00007-05
4	Real Estate Appraiser	8/15/2022	$ 80,000.00	$ 53,309.64		$ 53,309.64	$ 26,690.36	PA00007-06
5	Water Rights Appraisal	8/15/2022	$ 75,000.00	$ 45,490.46		$ 45,490.46	$ 29,509.54	PA00007-10
6	Contingency/Miscellaneous	12/16/2019	$ -	$ -		$ -	$ -	PA00007-20
	Total		**$ 675,000.00**	**$ 463,445.63**	**$ -**	**$ 463,445.63**	**$ 211,554.37**	

Status on Public's Ownership of Monterey Water System - Phase II

EIR & LAFCO Application

Through September 2022

	Contract	Date Authorized	Authorized Amount	Prior Period Spending	Current Period Spending	Total Expended To Date	Spending Remaining	Project No.
1	Eminent Domain Legal Counsel	9/20/2021	$ 345,000.00	$ 168,265.94		$ 168,265.94	$ 176,734.06	PA00005-01
2	CEQA Work	12/16/2019	$ 134,928.00	$ 134,779.54		$ 134,779.54	$ 148.46	PA00005-02
3	Appraisal Services	9/20/2021	$ 430,000.00	$ 188,683.75		$ 188,683.75	$ 241,316.25	PA00005-03
4	Operations Plan	12/16/2019	$ 145,000.00	$ 94,860.00		$ 94,860.00	$ 50,140.00	PA00005-04
5	District Legal Counsel	12/16/2019	$ 40,000.00	$ 162,254.16		$ 162,254.16	$ (122,254.16)	PA00005-05
6	MAI Appraiser	6/15/2020	$ 170,000.00	$ 76,032.00		$ 76,032.00	$ 93,968.00	PA00005-06
7	Jacobs Engineering	12/16/2019	$ 87,000.00	$ 86,977.36		$ 86,977.36	$ 22.64	PA00005-07
8	LAFCO Process	11/15/2021	$ 240,000.00	$ 217,784.62		$ 217,784.62	$ 22,215.38	PA00005-08
9	PSOMAS	9/20/2021	$ 28,000.00	$ 25,900.00		$ 25,900.00	$ 2,100.00	PA00005-09
10	Contingency/Miscellaneous/Uncommitted	12/16/2019	$ 289,072.00	$ 38,707.08		$ 38,707.08	$ 250,364.92	PA00005-20
	Total		**$ 1,909,000.00**	**$ 1,194,244.45**	**$ -**	**$ 1,194,244.45**	**$ 714,755.55**	
1	Measure J CEQA Litigation Legal Services	12/23/2020	$ 200,000.00	$ 140,303.06	$ -	$ 140,303.06	$ 59,696.94	PA00005-15
1	Measure J LAFCO Litigation Legal Services	1/1/2022	$ 400,000.00	$ 389,365.52		$ 389,365.52	$ 10,634.48	PA00005-16

Status on Public's Ownership of Monterey Water System - Phase I

Financial Feasibility

Through November 2019

	Contract	Date Authorized	Authorized Amount	Prior Period Spending	Current Period Spending	Total Expended To Date	Spending Remaining	Project No.
1	Eminent Domain Legal Counsel	12/17/2018	$ 100,000.00	$ 160,998.16		$ 160,998.16	$ (60,998.16)	PA00002-01
2	Investment Banking Services	2/21/2019	$ 30,000.00	$ 27,000.00		$ 27,000.00	$ 3,000.00	PA00002-02
3	Valuation & Cost of Service Study Consultant	2/21/2019	$ 355,000.00	$ 286,965.17		$ 286,965.17	$ 68,034.83	PA00002-03
4	Investor Owned Utility Consultant	2/21/2019	$ 100,000.00	$ 84,221.69		$ 84,221.69	$ 15,778.31	PA00002-04
5	District Legal Counsel		$ 35,000.00	$ 41,897.59		$ 41,897.59	$ (6,897.59)	PA00002-05
6	Contingency/Miscellaneous		$ 30,000.00	$ 45,495.95		$ 45,495.95	$ (15,495.95)	PA00002-10
	Total		**$ 650,000.00**	**$ 646,578.56**	**$ -**	**$ 646,578.56**	**$ 3,421.44**	

This meeting has been noticed according to the Brown Act rules. The Board of Directors meets regularly on the third Monday of each month, except in January and February. The meetings begin at 6:00 PM, *unless otherwise noted.*

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

Draft AGENDA (6/5/24)
Special and Regular Meeting
Board of Directors
Monterey Peninsula Water Management District
****
Monday, June 17, 2024 at 5:00 p.m. [PST]

Meeting Location: MPWMD – Main Conference Room
5 Harris Court, Building G, Monterey, CA 93940
[This is an In-Person meeting. Remote participation may be offered via Zoom, but this is optional as connectivity cannot be assured and thus is not a necessary requisite for the meeting to proceed in-person.]

To Join via Zoom- Teleconferencing means, please click the link below:
https://mpwmd-net.zoom.us/j/85246575819?pwd=CHzEqOJq8ySHeSCCPia9JPjKatN2zP.1

Or join at: https://zoom.us/
Webinar ID: 852 4657 5819
Passcode: 061724
To Participate by Phone: (669) 900-9128

For detailed instructions on how to connect to the meeting, please see page 5 of this agenda.

You may also view the live webcast on AMP https://accessmediaproductions.org/
scroll down to the bottom of the page and select AMP 1.

This agenda was posted at the District website (www.mpwmd.net) and at 5 Harris Court, Bldg. G, Monterey, California on _____, 2024. Staff notes will be available on the District web site at http://www.mpwmd.net/who-we-are/board-of-directors/bod-meeting-agendas-calendar/ by 5:00 P.M. on Friday, June 14, 2024.

CLOSED SESSION AT 5:00 P.M.

CALL TO ORDER / ROLL CALL

Board of Directors
Amy Anderson, Chair – Division 5
George Riley, Vice-Chair – Division 2
Alvin Edwards – Division 1
Marc Eisenhart – Division 3
Karen Paull – Division 4
Mary L. Adams– Monterey County Board of Supervisors Representative
Ian Oglesby– Mayoral Representative

General Manager
David J. Stoldt

Mission Statement
Sustainably manage and augment the water resources of the Monterey Peninsula to meet the needs of its residents and businesses while protecting, restoring, and enhancing its natural and human environments.

Vision Statement
Model ethical, responsible, and responsive governance in pursuit of our mission.

Board's Goals and Objectives
Are available online at: https://www.mpwmd.net/who-we-are/mission-vision-goals/

ADDITIONS AND CORRECTIONS TO THE AGENDA – *The General Manager will announce agenda corrections and proposed additions, which may be acted on by the Board as provided in Sections 54954.2 of the California Government Code.*

PUBLIC COMMENT ON THE CLOSED SESSION AGENDA – *Members of the public may address the Board on the item or items listed on the Closed Session agenda.*

CLOSED SESSION – *As permitted by Government code Section 54956.9 et seq., the Board may recess to closed session to consider specific matters dealing with pending or threatened litigation, certain personnel matters or certain property acquisition matters.*

CS 1. Public Employee Performance Evaluation, (Gov Code §54957) - Title: General Counsel, De Lay & Laredo

CS 2. Conference with Labor Negotiators (Gov Code §54957.8)
Agency Designated Representatives: David Stoldt
Employee Organization: General Staff and Management Bargaining Units Represented by United Public Employees of California/LIUNA, Local 792
Unrepresented Employees: Confidential Unit

CONVENE TO CLOSED SESSION

Any Closed Session Items not completed may be continued to after the end of all open session items.

CONVENE TO REGULAR SESSION | 6:00 P.M.

CALL TO ORDER / ROLL CALL

PLEDGE OF ALLEGIANCE

ADDITIONS AND CORRECTIONS TO THE AGENDA – *The General Manager will announce agenda corrections and proposed additions, which may be acted on by the Board as provided in Sections 54954.2 of the California Government Code.*

ORAL COMMUNICATIONS – *Anyone wishing to address the Board on Consent Calendar, Information Items, Closed Session items, or matters not listed on the agenda may do so only during Oral Communications. Please limit your comment to three (3) minutes. The public may comment on all other items at the time they are presented to the Board.*

CONSENT CALENDAR - *The Consent Calendar consists of routine items for which staff has prepared a recommendation. Approval of the Consent Calendar ratifies the staff recommendation. Consent Calendar items may be pulled for separate consideration at the request of a member of the public, or a member of the Board. Following adoption of the remaining Consent Calendar items, staff will give a brief presentation on the pulled item. Members of the public are requested to limit individual comment on pulled Consent Items to three (3) minutes. Unless noted with double asterisks "**", Consent Calendar items do not constitute a project as defined by CEQA Guidelines section 15378.*

1. Consider Adoption of Minutes of the Special Board Meeting/Budget Workshop on May 30, 2024 and the Special and Regular Board Meeting on May 20, 2024
2. Consider Expenditure of Funds for Consultant Services (TMX) for Sleepy Hollow Steelhead Rearing Facility Monitoring and Control Systems
3. Consider Continuing Rebate Funding for California American Water Customers Until Approval of the California American Water General Rate Case
4. Consider Approval of Annual Purchase of Internet License for Water Wise Gardening in Monterey County

5. Consider Approval of Budgeted Funds for Outreach Advertising for Fiscal Year 2025
6. Consider Expenditure of Funds for CoreLogic Information Solutions, Inc.
7. Approve Expenditure to Corporation Service Company – Recording Fees
8. Consider Expenditure to Amend Contract with Pueblo Water Resources, Inc. to Provide Hydrogeologic Review for Water Distribution System Permits
9. Consider Adoption of Resolution No. 2024-09 – Amending Table 2: Non-Residential Water Use Factors
10. Consider Adoption of Resolution 2024-10 – Annual Update to Rule 24, Table 3, Capacity Fee History
11. Consider Approval of Expenditure of Funds for Outreach Event "Summer Splash Water Challenge Giveaway 5"
12. Consider Approval of Funding and Continuation of the "Mulch Madness" Conservation Promotion
13. Consider Expenditure of Budgeted Funds with Etech Consulting for As-Needed Maintenance of the Accella Database
14. Consider Recommendation to Authorize a Negotiated Contract with a Licensed C-57 Contractor for Repairs on ASR on an As-Needed Basis
15. Consider Authorizing a Contract with TJC and Associates, Inc. to Provide Electrical Support Services
16. Consider Authorizing a Contract with Schaaf & Wheeler to Provide Drawing Support Services
17. Consider Authorizing Monterey Bay Analytical Services to Provide Laboratory Support for Aquifer Storage and Recovery, Watermaster Monitoring and Maintenance Plan, and Carmel Valley Alluvial Aquifer Water Quality Monitoring
18. Consider Directing the General Manager to Enter into a Contract with Montgomery and Associates to Provide Groundwater Modeling Support to the District
19. Consider Extension of Cooperative Agreement with the United States Geological Survey for Streamflow Gaging in Water Year 2025
20. Consider Recommendation to Authorize a Contract with OnPoint Generators Inc. to Provide and Install a Generator
21. Consider Adoption of Treasurer's Report for April 2024
22. Consider Adoption of Resolution 2024-08 Certifying Compliance with State Law with Respect to the Levying of General and Special Taxes, Assessments, and Property-Related Fees and Charges

GENERAL MANAGER'S REPORT

23. Status Report on California American Water Compliance with State Water Resources Control Board Order 2016-0016 and Seaside Groundwater Basin Adjudication Decision *(Verbal Report)*

REPORT FROM DISTRICT COUNSEL

24. Report From District Counsel *(Verbal Report)*

DIRECTORS' REPORTS (INCLUDING AB 1234 REPORTS ON TRIPS, CONFERENCE ATTENDANCE AND MEETINGS)

25. Oral Reports on Activities of County, Cities, Other Agencies/Committees/Associations

PUBLIC HEARING – *Public Comment will be received. Please limit your comments to three (3) minutes per item.*

26. Consider Adoption of July through September 2024 Quarterly Supply Strategy and Budget

    Recommended Action: The Board will consider approval of a proposed production strategy for the California American Water Distribution Systems for the three-month period of July through September 2024. The strategy sets monthly goals for surface and groundwater production from various sources within the California American Water systems.

CEQA Compliance: *Notice of Exemption, CEQA, Article 19, section 15301 (Class 1)}*

ESA Compliance: *Consistent with the September 2001 and February 2009 Conservation Agreements between the National Marine Fisheries Service and California American Water to minimize the take of listed steelhead in the Carmel River and Consistent with SWRCB WR Order Nos. 95-10, 98-04, 2002- 0002, and 2016-0016*

ACTION ITEMS – *Public Comment will be received. Please limit your comments to three (3) minutes per item.*

27. Consider Adoption of Agreement for Taxing Entity Compensation

    Recommended Action: The Board will consider adopting the Agreement for Taxing Entity Compensation.

28. Review Proposed Fiscal Year 2024–2025 MPWMD Budget and Resolution No 2024-07

    Recommended Action: The Board will consider adopting Resolution No. 2024-07 approving the Fiscal Year 2024-2025 Budget for the Monterey Peninsula Water Management District.

INFORMATIONAL ITEMS/STAFF REPORTS - *The public may address the Board on Information Items and Staff Reports during the Oral Communications portion of the meeting. Please limit your comments to three minutes.*

29. Report on Activity/Progress on Contracts Over $25,000
30. Status Report on Spending – Public's Ownership of Monterey Water System
31. Letters Received and Sent Supplemental Letter Packet
32. Committee Reports
33. Monthly Allocation Report
34. Water Conservation Program Report
35. Carmel River Fishery Report for April 2024
36. Monthly Water Supply and California American Water Production Report
    [Exempt from environmental review per SWRCB Order Nos. 95-10 and 2016-0016, and the Seaside Basin Groundwater Basin adjudication decision, as amended and Section 15268 of the California Environmental Quality Act (CEQA) Guidelines, as a ministerial project; Exempt from Section 15307, Actions by Regulatory Agencies for Protection of Natural Resources]

ADJOURNMENT

Board Meeting Schedule		
Monday, July 15, 2024	*Regular*	6:00 p.m.
Monday, August 19, 2024	*Regular*	6:00 p.m.

Board Meeting Television and On-Line Broadcast Schedule	
Television Broadcast	**Viewing Area**
Comcast Ch. 24 | View live broadcast on meeting dates, and replays on Mondays, Tuesdays and Thursdays at 4:00 p.m.	All Peninsula Cities
Comcast Ch. 28 (Monterey County Government Channel) Replays only at 9:00 a.m. on Saturdays	Throughout the Monterey County Government Television viewing area.

Internet Broadcast
AMP 1 | View live broadcast on meeting dates, and replays on Mondays, Tuesdays, and Thursdays at 4:00 p.m. and at https://accessmediaproductions.org/ scroll to **AMP 1.**
Monterey County Government Channel | Replays only at 9:00 a.m. on Saturdays at www.mgtvonline.com
MPWMD YouTube Page – View live broadcast on meeting dates. Recording/Replays available five (5) days following meeting date - https://www.youtube.com/channel/UCg-2VgzLBmgV8AaSK67BBRg

Accessibility

In accordance with Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), MPWMD will make a reasonable effort to provide written agenda materials in appropriate alternative formats, or disability-related modification or accommodation, including auxiliary aids or services, to enable individuals with disabilities to participate in public meetings. MPWMD will also make a reasonable effort to provide translation services upon request. Submit requests at least 48 hours prior to the scheduled meeting date/time to Sara Reyes, Board Clerk by e-mail at sara@mpwmd.net or at (831) 658-5610.

Provide Public Comment at the Meeting

Attend In-Person
The Board meeting will be held in the Main Conference Room at **5 Harris Court, Building G, Monterey, CA 93942** and has limited seating capacity. Face coverings are encouraged, but not required. Please fill out a speaker card for each item you wish to speak on, and place in the speaker card box next to the Board Clerk.

Attend via Zoom: See below "Instructions for Connecting to the Zoom Meeting"

Submission of Public Comment via E-mail
Send comments to comments@mpwmd.net with one of the following subject lines "PUBLIC COMMENT ITEM #" (insert the item number relevant to your comment) or "PUBLIC COMMENT – ORAL COMMUNICATIONS." Staff will forward correspondence received to the Board. Correspondence is not read during public comment portion of the meeting. However, all written public comment received becomes part of the official record of the meeting and placed on the District's website as part of the agenda packet for the meeting.

Submission of Written Public Comment
All documents submitted by the public must have no less than fifteen (15) copies to be received and distributed by the **Clerk** prior to the Meeting.

Document Distribution
In accordance with Government Code §54957.5, any materials of public record relating to an agenda item for a meeting of the Board of Directors that are provided to a majority of the members less than 72 hours before the meeting will be made available at the **District Office, 5 Harris Court, Building G, Monterey, CA** during normal business hours. Materials of public record that are distributed during the meeting shall be made available for public inspection at the meeting if prepared by the Board or a member of its legislative/advisory body, or the next business day after the meeting if prepared by some other person.

Instructions for Connecting to the Zoom Meeting

The public may remotely view and participate in the meeting to make public comment by computer, by phone or smart device.

Please log on or call in as early as possible to address any technical issues that may occur and ensure you do not miss the time to speak on the desired item. Follow these instructions to log into Zoom from your computer, smart device or telephone. (Your device must have audio capability to participate).

To Join via Zoom- Teleconferencing means, please click the link below:
https://mpwmd-net.zoom.us/j/85246575819?pwd=CHzEqOJq8ySHeSCCPia9JPjKatN2zP.1

Or join at: https://zoom.us/
Webinar ID: 852 4657 5819
Passcode: 061724
To Participate by Phone: (669) 900-9128

1. **Use the "raise hand" function to join the queue to speak on the current agenda item** when the Chair calls the item for Public Comment.

   COMPUTER / SMART DEVICE USERS: You can find the raise hand option under your participant's name.

   TELEPHONE USERS: The following commands can be entered using your phone's dial pad:
   - *6 – Toggle Mute / Unmute
   - *9 – Raise Hand

2. Staff will call your name or the last four digits of your phones number when it is your time to speak.

3. You may state your name at the beginning of your remarks for the meeting minutes.

4. Speakers will have up to three (3) minutes to make their remarks. *The Chair may announce and limit time on public comment.*

5. You may log off or hang up after making your comments.

Refer to the Meeting Rules to review the complete Rules of Procedure for MPWMD Board and Committee Meetings: https://www.mpwmd.net/who-we-are/board-of-directors/meeting-rules-of-the-mpwmd/