



**LINCOLN-SMD 1 WASTEWATER AUTHORITY
MEETING AGENDA**

Regular Meeting of the Board of Directors

Lincoln City Hall, Third Floor Council Chambers
600 Sixth Street, Lincoln, CA 95648

July 14, 2023, at 10:00 a.m.

The public may also observe and participate in the meeting via Zoom at the following videoconferencing link:

https://us06web.zoom.us/webinar/register/WN_L2bYfOdARYiQxL2vDwckAQ

Board of Directors

CITY OF LINCOLN

Dan Karleskint, Chair
Holly Andreatta

COUNTY OF PLACER

Jim Holmes, Vice Chair
Shanti Landon

General Manager and Secretary

George Barber

Legal Counsel

Wes Miliband

PRELIMINARY MATTERS

- A. CALL TO ORDER
- B. PLEDGE OF ALLEGIANCE
- C. ROLL CALL
- D. PUBLIC COMMENT ON NON-AGENDA ITEMS

Any member of the public wishing to address the Board of Directors regarding items not on the Agenda within the Authority's subject matter jurisdiction should do so at this time. With respect to items on the Agenda, the Board will receive public comments at the time the item is opened for discussions, prior to any vote or other Board action. A three-minute time limit is requested. Please complete a speaker card and submit it to the General Manager at the meeting.

ACTION CALENDAR

- 1. APPROVAL OF MINUTES – 06/26/23 Special Meeting
- 2. CLOSED SESSION MATTERS: CONVENE TO CLOSED SESSION FOR MATTER(S) LISTED ON THE AGENDA



- 2.1 Public Employee Evaluation
(Government Code § 54957(b)(1))
Title: General Manager and Board Secretary

RECONVENE FROM CLOSED SESSION AND PROVIDE REPORT(S), IF APPLICABLE

- 3. OLD BUSINESS - APPROVAL AND AUTHORIZATION TO EXECUTE AGREEMENT WITH WEST YOST ASSOCIATES FOR GENERAL MANAGER AND BOARD SECRETARY SERVICES – Consider approval of agreement with West Yost Associates for an amount up to \$510,000.00 from July 1, 2023 through June 30, 2024 subject to one-year renewal increments, and authorizing the LiSWA Board Chair to execute the agreement. – A written and verbal report.

- 4. CONSENT ITEMS

It is recommended by the General Manager that these items, which are expected to be routine in nature and without controversy, be received and acted upon by the Board without discussion. If any Board member or interested party requests that an item be removed from the Consent Calendar for discussion, it will be considered separately. The consent calendar may be approved by a single motion to approve, followed by a second and then a call for vote.

- 4.1 MEMORANDUM OF UNDERSTANDING WITH PLACER COUNTY AUDITOR-CONTROLLER. – Consider approval of a Memorandum of Understanding with Placer County for accounting services in the amount of \$3,549.60 from July 1, 2023 through June 30, 2024 and subject to annual renewal upon written agreement of the Parties, and authorize the Chair to execute the MOU.

- 5. GENERAL MANAGER'S REPORT AND UPDATE – A written and verbal report.

- 6. OPERATIONS REPORT AND UPDATE – A written and verbal report.

- 7. BOND FUNDING TEAM CONSIDERATION.

- 7.1 APPROVAL AND AUTHORIZATION FOR THE GENERAL MANAGER TO NEGOTIATE AN AGREEMENT WITH FIELDMAN, ROLAPP & ASSOCIATES FOR MUNICIPAL ADVISORY SERVICES – Consider approval for the General Manager to negotiate an agreement with Fieldman, Rolapp & Associates for consulting services for issuance of debt, with such agreement to come to the Board for consideration and potential approval at a future meeting.

- 7.2 APPROVAL AND AUTHORIZATION FOR THE GENERAL MANAGER TO NEGOTIATE AN AGREEMENT WITH JONES HALL FOR BOND COUNSEL SERVICES – Consider approval for the General Manager to negotiate an agreement with Jones Hall, A Professional Law Corporation for Bond Counsel Services, with such agreement to come to the Board for consideration and potential approval at a future meeting.

- 7.3 APPROVAL AND AUTHORIZATION FOR THE GENERAL MANAGER TO NEGOTIATE AN AGREEMENT WITH OPPENHEIMER & CO FOR BOND UNDERWRITING SERVICES – Consider approval for the General Manager to negotiate an agreement with Oppenheimer & Co for Bond Underwriting Services,



with such agreement to come to the Board for consideration and potential approval at a future meeting.

8. RESOLUTION NO. 2023-05 - RESOLUTION OF THE BOARD OF DIRECTORS OF THE LINCOLN SMD-1 WASTEWATER AUTHORITY DECLARING INTENTION TO ISSUE TAX-EXEMPT SECURITIES TO BE USED TO REIMBURSE THE LINCOLN SMD-1 WASTEWATER AUTHORITY FOR EXPENDITURES TO BE MADE PRIOR TO THE ISSUANCE OF SUCH SECURITIES. – Consider approval of Resolution to declare intention to issue tax-exempt securities and reimburse expenditures from proceeds of issued debt and securities. -- A written and verbal report.
9. WEST YOST PEER REVIEW REGARDING IMPROVEMENTS AT LiSWA's WASTEWATER TREATMENT PLANT – Consider West Yost's peer review of the Phase I Wastewater Treatment and Reclamation Facility improvements and determine components or options most desirable for proceeding toward the facilities improvement process. -- A written and verbal report.
10. LEGAL REPORT – Counsel will provide a verbal report.
11. DIRECTOR'S COMMENTS

ADJOURNMENT

THE FOLLOWING INFORMATION IS PROVIDED TO ASSIST WITH PUBLIC PARTICIPATION:

Americans with Disabilities Act (ADA): In compliance with the ADA, if you need special assistance to participate in this meeting or other services in conjunction with this meeting, please contact the Lincoln City Clerk's Office at (916) 434-2490. The meeting room is wheelchair accessible and disabled parking is available. Notification at least 24 hours prior to the meeting or time when services are needed will assist staff in assuring reasonable arrangements can be made to provide accessibility to the meeting or service.

Agenda Availability: The main posting location of the LiSWA Agenda is on the public kiosk outside the entrance of Lincoln City Hall, 600 6th Street, Lincoln, California. Agenda Packets are available for review at the Lincoln City Clerk's Office, 600 6th Street, Lincoln, California.

LINCOLN-SMD 1 WASTEWATER AUTHORITY
Board Meeting Minutes

Special Meeting of the Board of Directors
June 26, 2023, at 10:00 a.m.

PRELIMINARY MATTERS

- A. CALL TO ORDER - *The meeting was called to order at 10:02 am.*
- B. PLEDGE OF ALLEGIANCE - *The pledge was led by Chair Karleskint.*
- C. ROLL CALL

*Dan Karleskint, Chair
Jim Holmes, Vice Chair
Holly Andreatta, Director
Shanti Landon, Director
Staff present:
George Barber, General Manager and Board Secretary
Wes Miliband, Legal Counsel*
- D. PUBLIC COMMENT ON NON-AGENDA ITEMS

There were no public comments on non-agenda items.

ACTION CALENDAR

- 1. APPROVAL OF MINUTES – 05/12/23 Regular Meeting

Motion to approve by Director Landon, Second by Director Andreatta, Approved 4-0
- 2. CLOSED SESSION MATTERS: CONVENE TO CLOSED SESSION FOR MATTER(S) LISTED ON THE AGENDA
 - 2.1 Public Employee Evaluation
(Government Code § 54957(b)(1))
Title: General Manager and Board Secretary

*Board of Directors adjourned to closed session at 10:05 am*RECONVENE FROM CLOSED SESSION AND PROVIDE REPORT(S), IF APPLICABLE

Board of Directors reconvened from closed session at 10:59, legal counsel announced there was no reportable action from closed session.
- 3. CONSENT ITEMS

It is recommended by the General Manager that these items, which are expected to be routine in nature and without controversy, be received and acted upon by the Board without discussion. If any Board member or interested party requests that an item be removed from the Consent Calendar for discussion, it will be considered separately. The consent calendar may be approved by a single motion to approve, followed by a second and then a call for vote.

3.1 None

No items for consideration

4. GENERAL MANAGER'S REPORT AND UPDATE – A written and verbal report was provided discussing treatment plant update process, financial processes, and billing.
5. OPERATIONS REPORT AND UPDATE – A written and verbal report was provided by Gary Hengst, Chief Operator, Board questions were answered as he discussed projects and operations.
6. APPROVAL AND AUTHORIZATION TO EXECUTE AGREEMENT WITH WEST YOST ASSOCIATES FOR GENERAL MANAGER AND BOARD SECRETARY SERVICES – Consider approval of agreement with West Yost Associates for an amount up to \$498,380.00 from July 1, 2023 through June 30, 2024 subject to one-year renewal increments, and authorizing the LiSWA Board Chair to execute the agreement. – The item was continued to July 2023 meeting.
7. LiSWA 2023/24 BUDGET APPROVAL AND AUTHORIZATION – Consider approval of LiSWA 2023/24 Budget. – The General Manager presented the budget and answered questions about debt inclusion, revenue projections, capital reserves etc.. Motion to approve by Director Holmes, Second by Director Landon, Approved by Roll Call 4-0.
8. LEGAL REPORT - Counsel provided a verbal report regarding development of policies and Brown Act as relates to LiSWA.
9. DIRECTOR'S COMMENTS – There were no Director's comments.

ADJOURNMENT Meeting was adjourned at 11:26 am



Lincoln-SMD1 Wastewater Authority

Memorandum

To: Board of Directors
From: George Barber, General Manager
Date: 07/14/23 Regular Board Meeting

Agenda Item #3

SUBJECT: APPROVAL AND AUTHORIZATION TO EXECUTE AGREEMENT WITH WEST YOST ASSOCIATES FOR GENERAL MANAGER AND BOARD SECRETARY SERVICES – Consider approval of agreement with West Yost Associates for an amount up to \$510,000.00 from July 1, 2023 through June 30, 2024, subject to one-year renewal increments, and authorizing the LiSWA Board Chair to execute the agreement.

After receiving Board input at the last meeting, I have revised the estimate and made some minor changes to Exhibit A.

The costs are provided in table below:

LiSWA Contract Estimate			
Estimated Weeks/Year=	48	GM Bill Rate=	\$ 316
			Proposal
Day to Day Work per week	20	\$ 6,320	\$ 303,360
Operations Contract	290		\$ 91,640
WWTRF Phase I Project	120		\$ 37,920
GM Subtotal			\$ 432,920
Technical Assistance	Varies		\$ 26,000
Technical Specialist II	\$209/hr	5 hr/week	\$ 50,160
Travel	\$1,200 ea-	15 Times	\$ 18,000
Annual Cost Estimate			\$ 509,080

The proposed contract is attached for your review.

Staff Recommendation:

“Motion for approval of agreement with West Yost Associates for an amount not to exceed \$510,000 from July 1, 2023 through June 30, 2024 subject to one-year renewal increments, and authorizing the LiSWA Board Chair to execute the agreement.”

PROFESSIONAL SERVICES AGREEMENT
(General Manager)

This Professional Services Agreement ("**Agreement**") is effective on July 1, 2023 ("**Effective Date**") and is between the Lincoln-SMD 1 Wastewater Authority ("**LiSWA**") and West Yost Associates ("**Consultant**"). Together, LiSWA and Consultant are each a "**Party**" and together are the "**Parties**." This Agreement entirely supersedes the agreement entered into between the Parties with an effective date of December 2, 2022.

A. LiSWA requires the services of a General Manager and Board Secretary to oversee the authority's operations and serve as its chief executive officer.

B. As part of the formation of LiSWA during 2022, Consultant presented a proposal for services to LiSWA, and as a duly licensed, qualified and experienced consultant to perform LiSWA's desired services, Consultant was selected to perform the services of General Manager. Consultant was later appointed by LiSWA's Board of Directors as Board Secretary to perform the functions and services of that role as customarily done by California local public agencies.

C. Consultant has performed very effectively and well on behalf of LiSWA, and with a new fiscal year about to start, the Parties wish to establish a new agreement and related budget for Consultant's services.

D. The Parties intend by this Agreement to provide for the terms under which Consultant will serve as LiSWA's General Manager and Board Secretary, with Consultant to perform the services described in Exhibit A.

The Parties therefore agree as follows:

1. SCOPE OF SERVICES:

1.1 Consultant shall do all work, attend all meetings, produce all reports and carry out all activities necessary for the completion of the services described in Exhibit A ("**Scope of Services**"), at the rates specified in the 2023 Billing Rate Schedule attached as Exhibit B ("**Rate Schedule**"). In the event of a conflict between this Agreement and the exhibits, this Agreement will control.

1.2 George Barber will serve as the General Manager, with support provided by assigned West Yost staff, as needed including Jim Mulligan as the designated back-up to George Barber during an absence by Mr. Barber. The resumes of George Barber and certain staff are attached hereto as Exhibit C. Mr. Barber may not be replaced as General Manager without the prior approval of LiSWA's Board of Directors.

1.3 Consultant is an independent contractor and not an employee of LiSWA. Consultant shall have no power or authority by this Agreement to bind LiSWA in any respect, but instead will be delegated authority by individual actions by LiSWA's Board of Directors. Nothing in this Agreement shall be construed to be inconsistent with this relationship or status. All employees, agents, contractors or subcontractors hired or retained by Consultant are employees, agents, contractors or subcontractors of Consultant and not of LiSWA. LiSWA shall

not be obligated in any way to pay any wage claims or other claims made against Consultant by any such employees, agents, contractors or subcontractors, or any other person resulting from performance of this Agreement.

1.4 Consultant agrees it has satisfied itself by its own investigation and research regarding the conditions affecting the work to be done and labor and materials needed, and that its decision to execute this Agreement is based on such independent investigation and research.

2. DURATION:

2.1 The services of Consultant shall continue upon the Effective Date of this Agreement and will continue for a one year term and be subject to renewal upon mutual consent of the Parties.

3. COMPENSATION:

3.1 For the full performance of the Scope of Services, LiSWA shall compensate Consultant on a time-and-materials basis at the compensation rates specified in the Rate Schedule; provided, however, that total compensation for the full performance by Consultant of the Services shall not exceed Five Hundred Ten Thousand Dollars (\$510,000.00) for the one year term of this Agreement, said amount being referred to herein as the “not-to-exceed” amount. George Barber will be billed out at the rate of Principal Engineer II.

3.2 Consultant shall submit to LiSWA a monthly billing showing completion of the tasks that month and invoices for all expenses as well as for all materials authorized by this Agreement. If Consultant’s performance is not in conformity with the Rate Schedule, payments may be delayed or denied, unless Consultant’s failure to perform in conformity with the Rate Schedule was approved in advance by LiSWA.

3.3 If the Work (as defined below) is halted at the request of LiSWA, compensation shall be based upon the proportion that Work performed bears to the total work required by this Agreement, subject to Section 4.

4. TERMINATION:

4.1 This Agreement may be terminated by either Party, provided that the other Party is given not less than 45 calendar days’ written notice (delivered by certified mail, return receipt requested) of intent to terminate.

4.2 LiSWA may temporarily suspend this Agreement, at no additional cost to LiSWA, provided that Consultant is given written notice (delivered by certified mail, return receipt requested) of temporary suspension. If LiSWA gives such notice of temporary suspension, Consultant shall immediately suspend its activities under this Agreement.

4.3 Notwithstanding any provisions of this Agreement, Consultant shall not be relieved of liability to LiSWA for damages sustained by LiSWA by virtue of any breach of this

Agreement by Consultant, and LiSWA may withhold any payments due to Consultant until such time as the exact amount of damages, if any, due LiSWA from Consultant is determined.

4.4 In the event of termination, Consultant shall be compensated as provided for in this Agreement, except as provided in Section 4.3. Upon termination, LiSWA shall be entitled to all work, including, but not limited to, appraisals, inventories, studies, analyses, drawings and data estimates performed to that date in accordance with Section 7 of this Agreement.

5. AMENDMENTS, CHANGES OR MODIFICATIONS:

Amendments, changes or modifications in the terms of this Agreement may be made at any time by a signed, written agreement between the Parties.

6. PROPERTY OF LISWA:

6.1 All materials prepared by Consultant under this Agreement shall become the property of LiSWA, and the Consultant shall have no property right therein whatsoever upon payment of all invoices due and owing to Consultant unless LiSWA contests in good faith an invoice or portion thereof in which case the materials shall be deemed the property of LiSWA. Immediately upon termination and upon payment of all invoices due and owing to Consultant, LiSWA shall be entitled to, and the Consultant shall deliver to LiSWA, all data, drawings, specifications, reports, estimates, summaries and other such materials as may have been prepared or accumulated to date by Consultant in performing this Agreement which is not Consultant's privileged information, as defined by law, or Consultant's personnel information, along with all other property belonging exclusively to LiSWA which is in Consultant's possession. LiSWA shall not be limited in any way in its use of the materials at any time, provided that any such use that is beyond Consultant's services and/or the purposes of this Agreement shall be at LiSWA's sole risk.

6.2 This is an Agreement for services and each Party considers the products and results of the services to be rendered by Consultant hereunder (the "**Work**") to be a work made for hire. Consultant acknowledges and agrees that the Work (and all rights therein, including, without limitation, copyright) belongs to and shall be the sole and exclusive property of LiSWA upon payment of all invoices due and owing to Consultant unless LiSWA contests in good faith an invoice or portion thereof in which case the materials shall be deemed the property of LiSWA.

7. COMPLIANCE WITH ALL LAWS; PREVAILING WAGES:

7.1 Consultant shall comply with all applicable laws, ordinances, and codes of federal, state and local governments, as applicable, and shall commit no trespass on any public or private property in performing any of Work authorized by this Agreement. In providing services under this Agreement, Consultant shall perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances at the same time and in the same or similar locality ("Standard of Care").

8. OBLIGATIONS AND RESPONSIBILITIES - CONSULTANT:

8.1 Consultant represents and confirms to LiSWA that it has all licenses, permits, qualifications and approvals, of whatever nature, which are legally required for Consultant to practice its profession and to properly provide the services set forth in Exhibit A in a manner which is consistent with the Standard of Care. Consultant represents and confirms to LiSWA that Consultant shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement any licenses, permits and approvals which are legally required for Consultant to practice its profession at the time the services are performed.

8.2 Consultant represents and confirms that the Work performed under this Agreement shall be in accordance with applicable federal, state and local law in a manner consistent with the Standard of Care.

8.3 George Barber at all times shall represent Consultant before LiSWA on all matters relating to this Agreement. In the event that LiSWA, in its sole discretion, at any time during the term of this Agreement, desires the removal of any person or persons assigned by Consultant to perform services pursuant to this Agreement, Consultant shall remove any such person immediately upon receiving notice from LiSWA of the desire of LiSWA for the removal of such person or persons.

8.4 Except as set forth in Exhibit D, Consultant shall, at its sole cost and expense, furnish all facilities, equipment, and other materials which may be required for furnishing services pursuant to this Agreement. LiSWA shall furnish to Consultant only the facilities, equipment, and other materials listed in Exhibit D according to the terms and conditions set forth in Exhibit D.

8.5 Consultant shall provide corrective services without charge to LiSWA for services which fail to meet the above professional and legal standards and which are reported to Consultant in writing within sixty (60) days of discovery. Should Consultant fail or refuse to promptly perform its obligations, LiSWA may render or undertake performance thereof and Consultant shall be liable for any expenses.

9. ASSIGNABILITY:

Consultant shall not assign or transfer any interest in this Agreement whether by assignment or novation, without the prior written consent of LiSWA which will not be unreasonably withheld. However, claims for money due or to become due to Consultant from LiSWA under this Agreement may be assigned to a financial institution or to a trustee in bankruptcy, without such approval. Notice of any assignment or transfer whether voluntary or involuntary shall be furnished promptly to LiSWA.

10. INTEREST IN AGREEMENT:

Consultant covenants that neither it, nor any of its employees, agents, contractors, or subcontractors has any interest, nor shall they acquire any interest, direct or indirect, in the subject of the Agreement, nor any other interest which would conflict in any manner or degree with the performance of its services hereunder. Consultant shall make all disclosures required by

LiSWA's conflict of interest code in accordance with the category designated by LiSWA or in the absence of such code then by the customary standard of practice for California local public agencies, unless LiSWA determines in writing that Consultant's duties are more limited in scope than is warranted by the category designated by LiSWA's code or the industry's custom and practice and that a narrower disclosure category should apply. Consultant also agrees to make disclosure in compliance with LiSWA conflict of interest code or the industry's custom and practice if, at any time after the execution of this Agreement, LiSWA determines and notifies Consultant in writing that Consultant's duties under this Agreement warrant greater disclosure by Consultant than was originally contemplated. Consultant shall make disclosures in the time, place and manner set forth in the conflict of interest code or the industry's custom and practice and as directed by LiSWA.

11. MATERIALS CONFIDENTIAL:

All of the materials prepared or assembled by Consultant pursuant to performance of this Agreement are confidential and Consultant agrees that they shall not be made available to any individual or organization without the prior written approval of LiSWA, except by court order or in furtherance of performance of this Agreement including for preparation and posting of LiSWA agendas and other public records.

12. LIABILITY OF CONSULTANT-NEGLIGENCE:

Consultant shall be responsible for performing Work under this Agreement in a manner which is consistent with the generally accepted Standard of Care for Consultant's profession and shall be liable for its own negligence and the negligent acts of its employees, agents, contractors and subcontractors. LiSWA shall have no right of control over the manner in which Work is to be done but only as to its outcome, and shall not be charged with the responsibility of preventing risk to Consultant or its employees, agents, contractors or subcontractors.

13. INDEMNITY AND LITIGATION COSTS:

To the greatest extent allowed by law and within the construct of Civil Code § 2782 and 2782.8, Consultant shall indemnify and hold harmless LiSWA, its officers, officials, employees and volunteers (the "indemnified parties") from and against any and all claims, damages, demands, liability, costs, losses and expenses, including court costs and reasonable attorneys' fees, to the extent caused by its negligent performance of this Agreement or by reason of negligent acts or omissions, recklessness, or willful misconduct incident to the performance of this Agreement on the part of Consultant except such loss or damage which was caused by the active negligence, sole negligence, or willful misconduct of LiSWA. Without limiting the foregoing indemnity obligation, Consultant further shall indemnify and hold harmless the indemnified parties from and against any and all damages, liability, costs, losses, expenses, contributions and penalties, including court costs and reasonable attorneys' fees, arising from Consultant's negligent misclassification of itself or its employees' status as an independent contractor. The provisions of this paragraph shall survive termination or suspension of this Agreement.

14. CONSULTANT TO PROVIDE INSURANCE:

14.1 Consultant shall maintain in force at all times during the duration and performance of this Agreement the policies of insurance specified in this Section. Such insurance must have the approval of LiSWA as to limit, form, and amount, and shall be placed with insurers with a current A.M. Best's rating of no less than A:VII (or in the case of Worker's Compensation insurance, with the State Compensation Insurance Fund of California).

14.2 If not done prior to execution of this Agreement, Consultant shall immediately thereafter furnish LiSWA with certificates of insurance and copies of original endorsements providing evidence of coverage for all policies required by the Agreement. The endorsements shall be signed by a person authorized by the insurer to bind coverage on its behalf. Consultant agrees to furnish one copy of each required policy to LiSWA, and additional copies as requested in writing. The failure of Consultant or of any of its contractors or subcontractors to maintain or renew coverage or to provide evidence of renewal may be treated by LiSWA as a material breach of this Agreement. Approval of the insurance by LiSWA shall not relieve or decrease any liability of Consultant.

14.3 In addition to any other remedy LiSWA may have, if Consultant fails to maintain the insurance coverage as required in this Section, LiSWA may obtain such insurance coverage as is not being maintained, in form and amount substantially the same as is required herein, and LiSWA may deduct the cost of such insurance from any amounts due or which may become due Consultant under this Agreement.

14.4 No policy required by this Agreement shall be endorsed to suspended, voided, canceled, terminated by either party, or reduced in coverage or in limits unless Consultant has provided thirty (30) days' prior written notice by certified mail, return receipt requested, to LiSWA.

14.5 Any deductibles, aggregate limits, pending claims or lawsuits which may diminish the aggregate limits, or self-insured retentions, must be declared to, and approved by, LiSWA.

14.6 Aggregate Limits/Impairment.

If any of the insurance coverages required by this section contain annual aggregate limits, Consultant must give LiSWA notice of any pending claim or lawsuit which may diminish the aggregate. Consultant must take steps to restore the impaired aggregates or provide replacement insurance protection. LiSWA has the option to specify the minimum acceptable aggregate limit for each line of coverage required. No substantial reductions in scope of coverage which may affect LiSWA's protection are allowed without LiSWA's prior written consent.

14.7 The requirement as to types, limits, and LiSWA's approval of insurance coverage to be maintained by Consultant are not intended to, and shall not in any manner, limit or qualify the liabilities and obligations assumed by Consultant under the Agreement.

14.8 Consultant and its contractors and subcontractors shall, at their expense, maintain in effect at all times during the performance of work under the Agreement not less than the following coverage and limits of insurance, which shall be maintained with insurers and

under forms of policy satisfactory to LiSWA. The maintenance by Consultant and its contractors and subcontractors of the following coverage and limits of insurance is a material element of this Agreement. The failure of Consultant or of any of its contractors or subcontractors to maintain or renew coverage or to provide evidence of renewal may be treated by LiSWA as a material breach of this Agreement.

14.9 Worker's Compensation and Employer's Liability Insurance.

A. Worker's Compensation Insurance to protect Consultant, its contractors and subcontractors from all claims under Worker's Compensation and Employer's Liability Acts, including Longshoremen's and Harbor Worker's Act ("Acts"), if applicable. Such coverage shall be maintained, in type and amount, in strict compliance with all applicable state and federal statutes and regulations. Consultant shall execute a certificate of compliance with Labor Code Section 3700, on the form provided in the Agreement.

B. Consultant shall provide a Waiver of Subrogation endorsement in favor of LiSWA, its officers, officials, employees, agents and volunteers for losses arising from work performed by Consultant.

14.10 Commercial General Liability Insurance

A. The insurance shall be provided on form CG0001, or its equivalent, and shall include coverage for claims for bodily injury or property damage arising out of premises/operations, products/completed operations, contractual liability, and subconsultant's work and personal and advertising injury resulting from actions, failures to act, or operations of the insured, or by its employees or agents, or by anyone directly or indirectly employed by the insured. The amount of insurance coverage shall not be less than \$1,000,000.00 per occurrence and \$2,000,000.00 general and products/completed operations aggregates.

B. The commercial general liability insurance shall also include the following:

(i) Endorsement equivalent to CG 2010 1185 naming LiSWA, its officers, officials, employees, agents, and volunteers as additional insureds. The endorsement shall contain no special limitations on the scope of protection afforded to LiSWA, its officers, officials, employees or volunteers.

(ii) Endorsement stating insurance provided to LiSWA shall be primary as respects LiSWA, its officers, officials, employees and any insurance or self-insurance maintained by LiSWA, its officers, officials, employees or volunteers shall be in excess of Consultant's insurance and shall not contribute with it, to the payment or satisfaction of any defense expenses, loss, or judgment.

(iii) Provision or endorsement stating that the Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(iv) Provision or endorsement stating that any failure to comply with reporting or other provisions of the General Liability and Auto Liability policies shall not affect coverage provided to LiSWA, its officers, officials, employees, or volunteers.

(v) Provision or endorsement stating that such insurance, subject to all of its other terms and conditions, applies to the liability assumed by Consultant under the Agreement, including, without limitation, set forth in Section 15, Indemnity and Litigation Costs.

14.11 Commercial Automobile Liability Insurance.

A. The commercial automobile liability insurance shall include, but shall not be limited to, protection against claims for death, bodily or personal injury, or property damage for owned, non-owned, and hired automobiles resulting from actions, failures to act, or operations of the insured, or by its employees or agents, or by anyone directly or indirectly employed by the insured. The amount of insurance coverage shall not be less than \$1,000,000 per occurrence.

B. The commercial automobile liability insurance shall include the same endorsements as required for Commercial General Liability Insurance (16.10.B above.)

14.12 Professional Liability.

Consultant and its contractors and subcontractors shall secure and maintain in full force, during the term of this Agreement and for five years thereafter, professional liability insurance policies appropriate to the respective professions and the work to be performed as specified in this Agreement. The limits of such professional liability insurance coverage shall not be less than \$1,000,000 per claim.

15. MISCELLANEOUS PROVISIONS:

15.1 Compliance With Laws. Consultant shall keep itself fully informed of, shall observe and comply with, and shall cause any and all persons, firms or corporations employed by it or under its control to observe and comply with, applicable and non-conflicting federal, state, county and municipal laws, ordinances, regulations, orders and decrees which in any manner affect those engaged or employed on the work described by this Agreement or the materials used or which in any way affect the conduct of the work, including laws relating to prevailing wages pursuant to Labor Code section 1771 *et seq.*

15.2 Non-Discrimination. Consultant shall not engage in unlawful employment discrimination. Such unlawful employment discrimination includes, but is not limited to, employment discrimination based upon a person's race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, gender, citizenship, or sexual orientation. Consultant shall comply with Section 122(a) of the State and Local Fiscal Assistance Act of 1972.

15.3 Inspection of Records. Consultant shall maintain and make available for inspection by LiSWA and its auditors accurate records of all of its costs, disbursements and

receipts with respect to any work under this Agreement. Such inspections may be made during regular office hours at any time until six (6) months after the final payments under this Agreement are made to Consultant.

15.4 Entirety of Agreement. This Agreement constitutes the entire agreement between the parties relative to the services specified herein and no modification hereof shall be effective unless and until such modification is evidenced by a writing signed by both parties to this Agreement. There are no understandings, agreements, conditions, representations, warranties or promises, with respect to this Agreement, except those contained in or referred to in the writing.

15.5 Notices. All notices that are required to be given by one party to the other under this Agreement shall be in writing and shall be deemed to have been given if delivered personally or enclosed in a properly addressed envelope and deposited in a United States Post Office for delivery by registered or certified mail addressed to the parties at the following addresses:

LiSWA: Lincoln-SMD 1 Wastewater Authority
Attn: Chair of the Board of Directors
600 Sixth Street
Lincoln, CA 95648

and

LiSWA General Counsel via Email:
wes.miliband@aalrr.com

CONSULTANT: West Yost Associates
Attn: George Barber, PE
2020 Research Park Drive, Suite 100
Davis, CA 95618
Phone: 530-378-5240
Email: gbarber@westyost.com

15.6 Governing Law. This Agreement will be interpreted and governed by the laws of the State of California.

15.7 Venue. Any action arising out of this Agreement must be brought in Placer County, California.

15.8 Attorneys' Fees. In any action brought by either Party to enforce the terms of this Agreement, each Party shall be bear responsibility for its attorney's fees and all costs regardless of whether one Party is determined to be the prevailing party.

15.9 Counterparts. The Parties may execute this Agreement in counterparts, and electronic signatures will be valid as originals.

15.10 Severability. If any term, provision, covenant, or condition of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the Agreement will remain in full force and effect and will in no way be affected, impaired, or invalidated.

West Yost Associates

Lincoln-SMD 1 Wastewater Authority

(Authorized Signature)

Chair

Print Name

Dated

Email address

APPROVED AS TO FORM:

Counsel

Dated

**EXHIBIT A
GENERAL SCOPE OF
SERVICES**

1.0 SCOPE OF WORK

For the purposes of this contract, George Barber, Engineering Manager I, will serve as the General Manager/Board Secretary, with support provided by assigned West Yost staff, as needed. The general scope of services to be performed under this Agreement are described below.

1.1 General Manager, Board Secretary and Support Services for Lincoln-SMD1 Wastewater Authority (LiSWA)

Services shall include planning, organizing, directing, and overseeing the activities and operations of the LiSWA.

Tasks may also include, but are not limited to:

- a. Contract administration with the wastewater treatment plant operator.
- b. Noticing, scheduling, and conducting Board of Directors meetings in accordance with applicable laws, rules, and regulations.
- c. Preparation of the founding documents for the LiSWA including but not limited to processes, procedures, rules, and regulations.
- d. Preparation of necessary processes for the transfer of permits to LiSWA (e.g. NPDES).
- e. Issue Requests for Proposals for projects and studies.
- f. Execute California Environmental Quality Act (CEQA) process for developing environmental documents, Federal, State, and local permitting processes for necessary activities of the LiSWA.
- g. Development of wastewater treatment plant expansion project.
- h. Assistance with funding and financing for the wastewater treatment plant expansion project.
- i. Provide expert opinions and technical memorandums in support of the operation of LiSWA.
- j. Coordinate all activities related to the selection of a contract operator for the treatment plant operations beginning July 1, 2024.
- k. Such other tasks and activities in furtherance of the LiSWA's day-to-day operations and implementation of duly adopted policies of the LiSWA Board including the list provided by the General Manager and updated Monthly.

Exhibit B

2023-2024 Billing Rate Schedule

(Effective July 1, 2023 through June 30, 2024)*



POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	\$348
Engineer/Scientist/Geologist Manager I / II	\$329 / \$344
Principal Engineer/Scientist/Geologist I / II	\$297 / \$316
Senior Engineer/Scientist/Geologist I / II	\$267 / \$280
Associate Engineer/Scientist/Geologist I / II	\$221 / \$238
Engineer/Scientist/Geologist I / II	\$178 / \$207
Engineering Aide	\$104
Field Monitoring Services	\$129
Administrative I / II / III / IV	\$95 / \$118 / \$142 / \$157
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$342 / \$344
Principal Tech Specialist I / II	\$314 / \$324
Senior Tech Specialist I / II	\$287 / \$300
Senior GIS Analyst	\$260
GIS Analyst	\$246
Technical Specialist I / II / III / IV	\$183 / \$209 / \$235 / \$262
Technical Analyst I / II	\$132 / \$157
Technical Analyst Intern	\$106
Cross-Connection Control Specialist I / II / III / IV	\$137 / \$148 / \$167 / \$185
CAD Manager	\$207
CAD Designer I / II	\$161 / \$181
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$332
Construction Manager I / II / III / IV	\$203 / \$217 / \$231 / \$291
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$177 / \$197 / \$219 / \$228
Apprentice Inspector	\$161
CM Administrative I / II	\$85 / \$115
Field Services	\$228

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.

2023-2024 Billing Rate Schedule

(Effective July 1, 2023 through June 30, 2024)*



Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$300 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Field Vehicles (Groundwater)	\$1 / mile
Gas Detector	\$80 / day
Generator	\$60 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Back Pack	\$135 / day
Low Flow Pump Controller	\$200 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter 300ft	\$30 / day
Precision Water Level Meter 500ft	\$40 / day
Precision Water Level Meter 700ft	\$45 / day
QED Sample Pro Bladder Pump	\$65 / day
Stainless Steel Wire per foot	0.03 / day
Storage Tank	\$20 / day
Sump Pump	\$24 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$30 / day
Vehicle (Construction Management)	\$10 / hour
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$50 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day

* This schedule is updated annually

George Barber, PE

George Barber is a civil engineer with experience providing engineering services as well as operational leadership of drinking water treatment and distribution systems. He provides specialized expertise in the management processes of both municipal and investor owned water systems. His past work includes municipal rate design, water supply assessment and analysis, water treatment optimization, long-term system planning, and emergency preparedness. George's successful and productive engineering experience encompasses all aspects related to the water industry, including engineering studies, plans and specifications development, report writing, and development review. George brings a complementary blend of professional engineering with a State of California drinking water T-4 and D-5 certifications. George was the recipient of the National Association of Water Companies Living Water Award for 2019.

EXPERIENCE

Director of Operations, California Water Service Company, CA: George was responsible for the operations of California Water Service Company's Northern Districts and held the following responsibilities:

- Provided oversight of all water supply, water treatment, water distribution, and government relations.
- Planned and developed short and long-term goals.
- Provided strategic input on company operations.

General Manager, Paradise Irrigation District, CA: George held various administration, planning, and management positions as General Manager, including the following:

- Directed the operations, maintenance, and general affairs of the District and its facilities and resources.
- Coordinated Board of Directors monthly meeting and committee agendas, assuring appropriate support information.
- Led the development of each annual budget including operations, capital acquisition, and capital improvement projects.
- Assured compliance with District annual budgets and adherence to procurement procedures.
- Developed, with Board of Directors' input, the 2007 and 2012 Strategic Business Plans for the District, working toward a focus on long-term planning.
- Demonstrated successful public speaking skills with presentations to community groups from small settings to groups of 800 attendees.
- Established a successful working relationship with legal counsel.
- Led the extension of time request for the District's surface water rights.
- Completed the CEQA process for multiple and varied District projects.



STAFF TITLE: Engineering Manager I

YEARS OF EXPERIENCE: 32

PROFESSIONAL REGISTRATIONS

- Professional Civil Engineer, California No. C51332
- Water Treatment Operator, Grade 4, California No. 22524
- Water Distribution Operator, Grade 5, California No. 16517

EDUCATION

- BS, Civil Engineering, California State University, Chico

PROFESSIONAL AFFILIATIONS

- Vina GSA Stakeholder Advisory, Former Committee Member
- Butte County Water Commission, Former Chair
- Association of California Water Agencies, Region 2, Former Board Member
- Sustainability Management Association, Former Board Member
- Oroville Chamber of Commerce, Former Chair
- Salvation Army Oroville, Former Advisory Board Member
- Butte Humane Society, Board Member

- Managed the annexation process for customers.
- Authored and developed the 2005, 2010, and 2015 Urban Water Management Plans.
- Led the effort to develop and author updated Policy and Procedure Manuals for the District.
- Updated the District Safety Policy Manual.
- Implemented, through the proposition 218 process, multi-year rate increases in 2006, 2012, and 2015.
- Coordinated multiple successful partnerships with Butte Fire Safe Council for watershed improvement projects.
- Brought forward the \$2.8 million Magalia Reservoir Bypass project to provide a more secure raw water supply and provide raw water deliveries during future dam construction projects. Secured a \$2 million low interest loan and \$480,000 grant to fund the project. Energy savings from the project provide over 90% of the debt payments.
- Managed the \$5 million Meter Replacement project that replaced 75% of the District meters and upgraded all meters to a fully-automated meter reading system.
- Negotiated the purchase of property to facilitate the PID operations and administration relocation.
- Managed the renovation of the new administration office as well as the design, CEQA development, and construction of new corporation yard facilities.
- Managed the development of the Process Water Recycle project at the water treatment plant.
- Led a talented and dedicated workforce of 40 operations, maintenance, technical, and administrative employees.
- Negotiated multiple memorandums of understanding with employee groups and managed the implementation of the agreements.
- Directed operation and maintenance activities in water treatment, distribution, and irrigation, serving 7,000 customers through 122 miles of distribution pipelines and 110 miles of irrigation ditches and canals.
- Managed key personnel, including the water treatment superintendent, construction foreman, maintenance foreman, and assistant engineer.
- Developed, with input and assistance from treatment plant staff, many required plans and reports, including the Risk Management Plan, Urban Water Management Plan, Watershed Sanitary Survey, and the Security Vulnerability Assessment.
- Authored a successful grant application for \$183,000 for a ditch lining project.
- Successfully negotiated permits and project approvals from Division of Safety of Dams and Department of Fish and Game and served as construction surveyor, design engineer, and construction engineer.
- Maintained safe, productive workplace with zero OSHA recordable on the job injuries and illnesses in Water Division.
- Directed the complete evaluation of Agency security after 9/11. Implemented security changes to mitigate evaluation findings.
- Managed the construction and installation of \$4 million 480kw solar array at treatment plant, eliminating future energy bills.
- Recommended the addition of variable frequency drives to pumps and changes in distribution system, resulting in a 20% reduction in energy demand at treatment plant.

Senior Engineer, Water Division Manager, and District Engineer, South Feather Water and Power Agency, CA:

George acted as Senior Engineer, Water Division Manager, and District Engineer, meeting the design and construction needs of the Agency, including development of the Capital Outlay Budget.

- Provided written and verbal reports at the monthly Board of Directors meeting on water division operations, construction, and maintenance issues.
- Worked with General Manager and Policy Committee develop changes to the rules and regulations and draft new policies.
- Assisted with, reviewed, and provided input to annual \$4.6 million operating budget.

Project Engineer, California Department of Transportation, CA:

Developed Plans, Specifications, Special Provisions, and Engineer's Estimates for erosion control and slope stabilization projects within the Lake Tahoe basin, acting as the Caltrans Tahoe Coordinator with the Tahoe Regional Planning Agency. Recipient of the Tahoe Regional Planning Agency Erosion Control Award for design effectiveness and overall visual quality.

James Mulligan, PE

Jim Mulligan is a civil engineer and state-certified water distribution (D5) and water treatment (T4) operator in the water industry. He is an experienced project and water operations manager who specializes in water resource and operations planning, contracts, budgeting, employee management, and rate-setting. He has experience communicating effectively with highly technical groups, in committee meetings and with the public in numerous outreach campaigns.

EXPERIENCE

Water Operations Manager, Water Division, City of Roseville, CA: As Water Operations Manager, Jim was responsible for compliance of the City's drinking water supply permitting and operations with the State Division of Drinking Water. He met routinely with water supply stakeholders and federal and state officials to maintain reliability for Roseville's water supply in a variety of state and regional venues.

Well No. 7 Mechanical Equipping, City of Live Oak, CA: Construction Manager. Oversee the administration of the construction contract for the topside improvements on the City's Well No. 7 and associated treatment system. Duties include schedule review, submittal and RFI coordination, leading progress meetings, change order and pay request recommendations and Division of Drinking Water amended system permit approval.

AMI Implementation, City of Roseville, CA: As Water Utility Manager, Jim was responsible for the quantity and quality of the City's potable water from source to tap. He supervised six direct reports, a department of 50 employees, and managed an annual budget of \$30 million. Additionally, he:

- Oversaw operators at the City's 100 MGD surface water treatment plant and within the distribution system
- Supervised six groups within the Water Division: Production/Treatment, Construction, Meter/Backflow, Preventative Maintenance, System Operations and Conservation.
- Served as Project Manager for water and wastewater capital improvement projects totaling over \$125 million.
- Worked with the City's electric department on design and implementation of enterprise-wide Advanced Metering Infrastructure (AMI) for the water metering program in collaboration with E Source (formerly UtiliWorks).
- Coordinated Folsom Lake quantity/quality issues, interties, and USBR policies with neighboring agencies.
- Guided the Water Division through multiple years of drought by implementing a City-wide, multi-departmental drought management team.
- Implemented the City's Aquifer Storage and Recovery groundwater program.



STAFF TITLE: Principal Engineer II

YEARS OF EXPERIENCE: 33

PROFESSIONAL REGISTRATION

- Professional Civil Engineer, California No. 52627
- D5 Certified Water Distribution Operator No. 16520, State Division of Drinking Water
- T4 Certified Water Treatment Operator No. 5190, State Division of Drinking Water

EDUCATION

- BS, Mechanical Engineering, California State University, Chico

PROFESSIONAL AFFILIATIONS

- Association of California Water Agencies,
- American Water Works Association
- CA-NV Section American water Works Association
- Groundwater Resources Association of California

Engineering and Design Services for Carley and Peter Springs Well Rehabilitation, City of Santa Rosa, Santa Rosa, CA: Project Manager. Jim is serving as project manager for the Carley and Peter Springs Well Rehabilitation project. The wells are a vital part of the City's Emergency Groundwater Supply Program. West Yost is providing the design and engineering services during construction for replacement of the Carley Well and modification of the Peter Springs Well to help secure the City's long-term water supply reliability and provide operational flexibility. The primary goals of this project are to replace the Carley Well with a new well and topside facilities on the same parcel, extend the Peter Springs well casing above ground and make other modifications to improve its reliability and address the ongoing potential for impacts to site operations from ground displacement. The well facilities, including conveyance piping, valves, controls and metering, will be designed to enable separate delivery for municipal and irrigation uses. Close coordination with the City's Public Works Department and Santa Rosa Water staff is underway and will lead to project success.

Well 80, Wells 81 A, B, C, and Well 82 Owner's Representative Services, Sacramento Suburban Water District (SSWD), Sacramento, CA: Project Engineer. Jim is serving as Project Engineer on the Owner's Representative team supporting SSWD for the construction of up to four new monitoring wells and four new groundwater wells and associated pumping and treatment facilities. The projects will be constructed under progressive design-build delivery. Jim is providing permitting assistance, operations advice and construction management support. As the Owner's Representative, West Yost is representing the district in the contracting and management of the progressive design-build team. West Yost is also lead in the development of CEQA documents for several of the project sites, is preparing the preliminary site plan for one of the three facilities, is assisting with contracting and contract management, and will also be providing construction management and inspection services as part of the Owner's Representative role.

Well No. 7 Mechanical Equipping, City of Live Oak, CA: Construction Manager. Oversee the administration of the construction contract for the topside improvements on the City's Well No. 7 and associated treatment system. Duties include schedule review, submittal and RFI coordination, leading progress meetings, change order and pay request recommendations and Division of Drinking Water amended system permit approval.

Watkins Gate Radial injection Surge Development Well Rehabilitation, Marina Coast Water District, Marina, CA: Project Manager. The project consisted of developing a comprehensive work plan to remediate the bacteriological fouling of the Watkins Gate Well including

preparing contractor specifications and field oversight of physical and chemical well rehabilitation activities. Tasks included designing a specification-based work plan, defining equipment requirements, and providing field observation of the RISD, chemical dosing, and final pump development programs.

LAX Sepulveda Injection Well Design Support, Los Angeles, CA: Project Manager. Assisted Wood PLC in developing the conceptual design of the injection well system for the LAX Sepulveda groundwater remediation system. The project included a workshop to develop a mutual basis of design, crafting a recommended equipment schematic diagram, outlining the proposed injection system operation philosophy, and providing technical support to Wood during preparation of the 30% conceptual design surrounding the need for backwash pumping equipment, borehole injection control measures and pre-injection filtration.

Buckskin Test Injection Well, Parker, AZ: Project Manager. Assisted Wood PLC in the installation of an injection test well for PG&E at the Buckskin well location. The project included review of the final well design plans, implementation of an injection development program using the Radial Injection Surge Development method (RISD), and field injection testing.

Cave Creek Landfill Groundwater Injection System, Cave Creek, AZ: Project Manager. Design and installation of a groundwater injection system for Maricopa County at the Cave Creek Landfill. The project surrounded installation of a test 1,600-foot deep injection well, design of the borehole equipment, and design of the above grade appurtenances to support groundwater injection. Technical tasks included review of the borehole data, design of the gravel pack and screen, locating target formation seals, injection development of the well, and hydraulic testing. Design tasks included backwash pump sizing, pump set depth, borehole injection control, surface piping and control valves, pre-injection filtration, instrumentation, and control logic development.

As-Needed Engineering Services, County of Placer, CA: QA/QC. Provide QA/QC to West Yost work product and oversee sub consultants for the County of Placer in a variety of areas of expertise including structural engineering, electrical engineering, sewer systems engineering, recycle water systems engineering, water systems engineering, stormwater systems engineering, biomass/green waste services, construction inspection services, design plan review, sewer system field services, surveying, Middle Fork Project, environmental and permit compliance and facility condition assessment.

Deer Valley Aquifer Storage and Recovery Well 302 Development and Testing, City of Phoenix, AZ: Project Manager. Provided injection development and cycle testing

of the City of Phoenix Well 302, located at the Deer Valley Water Treatment Plant. The project included development of the well using injection methods, injection testing, data analysis for operational limits, and definition of an operations and maintenance program. Also provided was development of a work plan for injection development, definition of the set points for the logic control, evaluation of the injection test data, definition of the preliminary backwash methodology and remote assistance during demonstration recharge operations.

Property Acquisition Roadmap, Sacramento Suburban Water District, Sacramento, CA: Project Engineer.

Developing a Property Acquisition Roadmap (PAR) for District staff and policymakers to follow during District acquisition of new properties, primarily new groundwater well sites. The work involves collaboration between multiple staff levels of the District, the district's property acquisition agent and Board interests. The PAR project deliverables will also include a property acquisition staff report template for current and future staff to follow when approaching the Board for approval of new property.

On-Call Well Evaluation and Rehabilitation Services and Municipal Well Siting, Sacramento Suburban Water District, Sacramento, CA: Project Engineer.

Provided Geographic Information System (GIS) and hydrogeologic services for development and implementation of a GIS-based Municipal Well Site Evaluation, Ranking, and Selection Methodology (Well Site Selection Methodology). Working with the District, West Yost identified site selection criteria and information needed to identify, evaluate, screen, rank, and select potential well sites; developed GIS tools needed for Methodology implementation; provided technical support to District for public meetings and internal meetings; and provided GIS files, geodatabases, and documentation of GIS procedures supporting future well site selection efforts.

Owner's Representative, Davis-Woodland Water Supply Project (DWWSP), Cities of Davis and Woodland and UC Davis:

This cutting edge project involved a \$278 million design/build/operate (DBO) program to provide a sustainable water supply to the communities of Davis and Woodland, California and the University of California at Davis (UC Davis). As a Project Engineer, Jim examined the performance of an existing groundwater supply well at the Joint Intake facility and provided recommendations for a solution to the pump seal lubricant system. Also, at the Joint intake facility, Jim is Project Manager on the retrofit of the existing jib crane and rehabilitation of the facility's roof access ladder to improve performance, reliability and increase safety at the facility. As an Owner's Advisor, Jim routinely reviews monthly and annual operations reports from the operator of the Regional

Water Treatment Facility, the surface water treatment plant operated by the Agency.

GIS-Based Municipal Well Siting Study, City of Pasadena, Pasadena, CA: Project Engineer.

Developed a GIS-based municipal well siting tool and methodology for selecting potential well sites. The outcome of the work consisted of a ranked list of City-owned parcels meeting staff's well site selection criteria, a recommendation for the top-ranked parcels for the City's next planned municipal well, and production of GIS files used in the well site selection methodology. The project involved working with City staff to develop site selection criteria and information needed to identify, evaluate, screen, rank, and select potential well sites on City-owned parcels, implementing a GIS-based municipal well siting tool, field visit confirmation of top-ranked sites, preparation of a technical memorandum documenting the municipal well siting, and providing GIS files and methodology used in the municipal well siting study tool.

Proposition 1 Groundwater Grant Support, Monterey County Water Resources Agency, CA: Grant Writer.

West Yost was asked to assist Monterey County Water Resources Agency (MCWRA) staff in the completion of a Prop 1 - Round 2 Grant Application for groundwater well destruction work. The work was conducted over a one-week period to meet the California State Water Resources Control Board grant application deadline. MCWRA received a funding award letter in June 2020 for \$5M. The grant proposed destruction of approximately 105 abandoned and dormant wells located in proximity to the City of Salinas, the communities of Castroville and Boronda, and unincorporated areas of Monterey County. The goal for the project is to prevent chloride and nitrate-contaminated groundwater from migrating into drinking water aquifers.

Water Utilities Division, Citizen's Utilities (now California American Water), CA: Project Engineer

managing capital improvement projects in groundwater well construction, water system management, and water quality compliance.

North American Sub Basin Groundwater Sustainability Agencies Governance, County of Placer, Auburn, CA:

Project Engineer. The Project goal is to assist the County and representative members of NASb with developing a governance agreement between the members of NASb. The agreement will serve as a binding document, enable transparency between GSA's and set a framework within which the provisions and responsibilities laid out in the final NASb Groundwater Sustainability Plan (GSP) can be implemented. The NASb members are the Western Placer GSA, Reclamation District 1001 GSA, Sutter County GSA, South Sutter Water District GSA and the Sacramento Groundwater Authority.

Development Business Process Mapping, Central Contra Costa Sanitary District, CA: QA/QC. Provided QA/QC for deliverables to Central Contra Costa Sanitary District (Central San) as the District completes implementation of a new Enterprise Resource Planning (ERP) system using Oracle as the platform. The Development Services Division is an early adopter of Oracle's ERP permitting software. As part of the deployment of the new ERP software, Central San staff have been mapping business processes to support software configurations. Central San is also moving towards an electronic process for performing plan review using Bluebeam Revu as the software platform. Central San has requested West Yost provide support to develop a Business Process Map for their Mainline Extension review process. The map will incorporate recommendations to streamline the current process with a goal of improving customer service by reducing the number of iterations required to approve project plans. The outcome of the work included and updated business process map along with twenty-nine detailed recommendations for staff implementation.

America's Water Infrastructure Act Compliance, University of California, Davis, Davis, CA: Project Manager. Guided the project team and stakeholders through the workshop-driven process of compliance with AWIA including preparation of a risk and resilience assessment and cyber security evaluation.

America's Water Infrastructure Act Compliance, City of Lincoln, CA: Project Manager. Guided the project team and stakeholders through the workshop-driven process of compliance with AWIA including preparation of a risk and resilience assessment, cyber security evaluation and preparation of an AWIA-compliant emergency response plan.

America's Water Infrastructure Act Compliance, City of Woodland, Woodland, CA: Project Manager. Guided the project team and stakeholders through the workshop-driven process of compliance with AWIA including preparation of a risk and resilience assessment, cyber security evaluation and preparation of an AWIA-compliant emergency response plan.

America's Water Infrastructure Act Compliance, Woodland Davis Clean Water Agency, Woodland, CA: Project Manager. Guided the project team and stakeholders through the workshop-driven process of compliance with AWIA including preparation of a risk and resilience assessment, cyber security evaluation and preparation of an AWIA-compliant emergency response plan.

Alvarado Water Treatment Plant High-Level Operational Study, City of San Diego, San Diego, CA: Project Manager. Performing a high-level assessment study to identify potential areas of current operational practice that could place the City at risk of regulatory enforcement or loss of customer confidence. The project will also identify any staff challenges,

note any observed operational inefficiencies, and provide recommendations for addressing what is discovered.

Sewer Basin 6A Inflow Identification, City of Folsom, CA: Project Manager on smoke testing of the City's Basin 6A consisting of approximately 45,000 linear feet of sewer pipeline and associated manholes. West Yost prepared final recommendations to the City identifying defect, run date, run name, upstream manhole (USMH), downstream manhole (DSMH), address, leak location, observation, smoke severity, potential inflow estimate, recommended inspection, recommended repair, and estimated repair cost.

RiverArc Sacramento River Water Reliability Study, Placer County Water Agency, Auburn, CA: Project Engineer for review of Technical Papers on USBR Operational Strategies. The paper was the result of a reconnaissance level technical analysis performed based on CalSim modeling results from Department of Water Resources Delivery Capability Report 2015 and further post-processed to assess RiverArc performance on Central Valley Project /State Water Project systems.

Fruitridge Vista Water System Evaluation, California American Water, Sacramento, CA: Project Engineer. Performed condition assessment and regulatory compliance verification associated with a water system valuation for submission to the California Public Utilities Commission.

Pump Station 3 Rehabilitation, City of Folsom, CA: Project Manager on design and bidding services for the City's wastewater pump station 3. Reassessment of the pump station to efficiently align the operation with current demands and update the facility to modern standards. Emphasis was placed on maintaining safe and reliable operations, phasing construction to attract more competitive bidding, no interruption of service to customers and minimizing disruption to local residents and the public related to noise, location and traffic.

Program Management for Surface Water Treatment Project, Stanislaus Regional Water Authority, Ceres, CA: Project Engineer assisting in Division of Drinking Water and Regional Board permitting for the future surface water treatment plant for the cities of Ceres and Turlock. West Yost was selected to manage development of a regional Surface Water Treatment Plant Project that will construct raw water facilities, a treatment plant, treated water transmission mains, and an interface/interconnection with each City's local system.

Water Utility Manager, Environmental Utilities Department, City of Roseville, CA: As Water Utility Manager, Jim was responsible for the quantity and quality of the City's potable water from source to tap. He supervised six direct

reports, a department of 50 employees, and managed an annual budget of \$30 million. Additionally, he:

- Oversaw operators at the City's 100 MGD surface water treatment plant and within the distribution system
- Supervised six groups within the Water Division: Production/Treatment, Construction, Meter/Backflow, Preventative Maintenance, System Operations and Conservation.
- Served as Project Manager for water and wastewater capital improvement projects totaling over \$125 million.
- Worked with the City's electric department on design and implementation of Advanced Metering Infrastructure (AMI) for the water metering program.
- Coordinated Folsom Lake quantity/quality issues, interties, and USBR policies with neighboring agencies.
- Guided the Water Division through multiple years of drought by implementing a City-wide, multidepartmental drought management team.
- Implemented the City's Aquifer Storage and Recovery groundwater program.

EXHIBIT D

FACILITIES, EQUIPMENT, OTHER MATERIALS

Consultant shall be responsible for providing all necessary facilities, equipment and personnel to undertake the necessary task(s) outlined in **Exhibit A**.



Lincoln-SMD1 Wastewater Authority

Memorandum

To: Board of Directors
From: George Barber, General Manager
Date: 0714/23 Regular Board Meeting

Agenda Item #4

SUBJECT: Consent Items

4.1 MEMORANDUM OF UNDERSTANDING WITH PLACER COUNTY AUDITOR CONTROLLER. – Consider approval of a Memorandum of Understanding with Placer County for accounting services in the amount of \$3,549.60 from July 1, 2023 through June 30, 2024 and subject to annual renewal upon written agreement of the Parties, and authorize the Chair to execute the MOU.

When LiSWA was created, the Board chose the Placer County Auditor to provide accounting services.

Attached you will find a MOU to continue that relationship through the next fiscal year. This is included in the approved budget.

Action Requested: “Approve the Memorandum of Understanding with the Placer County Auditor in the amount of \$3,549.60 from July 1, 2023 through June 30, 2024 and authorize the Chair of the Board to sign.”



COUNTY OF PLACER

OFFICE OF THE AUDITOR-CONTROLLER

ANDREW C. SISK, CPA
Auditor-Controller
E-mail: asisk@placer.ca.gov

NICOLE C. HOWARD, CPA
Assistant Auditor-Controller
E-mail: nhoward@placer.ca.gov

July 1, 2023

To the Board of Directors and Management
Lincoln-Sewer Maintenance District 1 Wastewater Authority

The Auditor-Controller is pleased to confirm our understanding of the terms and costs of our services under this agreement for the 2023-2024 fiscal year.

A. Scope of Services

The Auditor-Controller will provide the following services to Lincoln-Sewer Maintenance District 1 Wastewater Authority ("Authority"):

1. **General Accounting** – includes use of the County's centralized accounting system and recording of financial system entries submitted by the Authority. Transactions will be reviewed for authorization by appropriate Authority personnel prior to processing. This also includes compiling the Authority's financial information to report within the County's Cost Plan, if applicable.
2. **Accounts Payable** – includes processing payment claims by warrant, wire, or ACH. Claims will be reviewed to validate authorized Authority signers have approved the payment prior to processing, recording, and mailing payments. Any invoices submitted with payment claims will be scanned and archived for retention. Review of invoices for mathematical accuracy and appropriateness of expenditure is not part of the service agreement. Maintaining vendors and payments for purposes of 1099 reporting along with issuing 1099 forms for the calendar year, if applicable.
3. **Workday External Connection** – includes access to the Workday accounting system for one user.
4. **Financial Statements/ State Controller Office's Reports** - includes compiling the applicable fiscal year(s) financial information into financial statements and/or the State Controller Office's Report.
5. **Adopted Budget** – includes recording your Authority's adopted budget, ensuring expenditures do not exceed authorized budget and processing budget revisions.

B. Term

The term of this Agreement will commence on July 1, 2023, and end on June 30, 2024. Subject to written agreement of the parties, this agreement may be renewed annually.

C. Responsibilities of Auditor-Controller

The Auditor-Controller's responsibility under this Agreement is to perform the services enumerated above. The Auditor-Controller will not audit accounting entries, payment claims or budget transactions,

nor will we validate the appropriateness of accounting transactions or claims for payment. The Auditor-Controller's services are not designed to detect instances of fraud, noncompliance with laws or regulations or significant errors; however, the Auditor-Controller will communicate to Authority any known and suspected fraud, noncompliance with laws or regulations or significant errors that come to their attention. Neither the County nor the Auditor-Controller will be held liable should any instances of fraud, noncompliance with laws or regulations or significant errors be subsequently discovered by either Authority or through a claim or lawsuit to Authority.

D. Responsibilities of Authority Management

Authority is responsible for (1) ensuring all transactions are submitted and/or approved by authorized staff, (2) reviewing all transactions prior to submittal to ensure appropriateness of the expenditure, compliance with laws or regulations and to check for significant errors and fraud, (3) retaining all source documents, and (4) providing all Authority Board authorized budgets and budget amendments. The Authority is encouraged to routinely provide accounting reports and payment registers to its Board for review.

Authority agrees to inform County of significant noncompliance, fraud and/or errors immediately upon discovery.

For all services provided the Authority management agrees to assume all management responsibilities; oversee the services by designating an individual who possesses suitable skill, knowledge, and/or experience to understand the services; evaluate the adequacy and results of the services; and accept responsibility for the results of the services. Authority agrees to hold the County and the Auditor-Controller harmless for any subsequent claims or lawsuits that may arise from the results of the services.

Annual Cost and Billing

The annual cost of services identified above is \$3,549.60. Your Authority will be billed by journal entry during the third quarter of the fiscal year for the entire annual costs. A copy of the journal entry will be provided to your Authority.

Agreement

The Auditor-Controller appreciates the opportunity to be of service to you and believes this letter accurately summarizes the significant terms of your agreement. This Agreement constitutes the entire agreement between the parties and supersedes all prior agreements. Please execute this document and return the original version to my office at your earliest convenience.

Sincerely,



Andrew C. Sisk, CPA
Auditor-Controller

We, the undersigned, have read and agree to the terms of this Agreement. We represent we have the authority to execute this Agreement on behalf of the Lincoln-Sewer Maintenance District 1 Wastewater Authority.

Authorized Signature Board Chair: _____ Dated: _____

Authority Name: _____



Lincoln-SMD1 Wastewater Authority

Memorandum

To: Board of Directors
From: George Barber, General Manager
Date: 07/14/23 Special Board Meeting

Agenda Item #5

SUBJECT: General Manager's Report

- It was a quick turn around after the special meeting with a holiday included so there is not much more additional progress on many items. I have provided some financial information for your review and will continue to revise and improve the reporting.
- Started the vehicle transfer process with DMV, LiSWA needs official tax-exempt status. Continuing the review.
- We are importing the approved budget into the county system.
- The transition advisory group continues to meet twice a month to cover any issue necessary during the transition.
- Developing a service agreement with the City of Lincoln for both IT services and Public Works. Wes Miliband is working on the draft agreement.
- I am in regular communication with Gary about operations.
- Working on transferring the PGE accounts so the PGE loan for the Oxidation Ditch Project can be executed.
- Meetings, phone calls and emails have been ongoing regarding the expansion of the WWTRF and the peer review. Stantec has provided a wealth of information for West Yost to review. The agenda item is available for your review.
- Included in this report is the schedule for the selection process for treatment plant operations contract.

Item	Status	Working with	Notes- Green Complete Yellow New
Financial			
Develop and Approve Budget	Completed	Lincoln Finance	Next Fiscal year on Agenda
Develop process for paying bills with Placer County Treasurer/Auditor	Completed	Placer	Payables are being processed and vendors being added
Set Charge per WWTRU	Completed	Lincoln/Placer	Approved
Transfer Funds to County	Completed	Lincoln /Placer	Completed
West Yost Billing approval process	Completed		Approved through County Process
Select Municipal Financial Advisor	Completed		Bond Assistance on Agenda
Obtain Insurance	Completed		Delivery of Information ongoing
Property Transfers			
Wastewater Treatment Plant	Completed	Lincoln Admin/County Counsel	
Conservation Easement	In process	Lincoln Admin/County Counsel	City working with Developer on issues before transfer
Pipelines	In process	Lincoln PW	Psomas and County Surveyor resolving final issues
Business Property	Completed	Lincoln Admin	Inventory list and Bill of Sale
Vehicles	In process	Lincoln PW	Need Tax-exempt status
Equipment	Completed	Lincoln PW	Inventory list and Bill of Sale
Fixtures	Completed	Lincoln PW	Inventory list and Bill of Sale
Supplies	Completed	Lincoln PW	Inventory list and Bill of Sale
Reclaimed Water Cost Study			
Connection Fee Analysis			
Operations Transfers			
Stantec Operations Agreement	Completed	Lincoln Admin	
NPDES Permit	Completed		New Permit requirements in Place
Solar Star Power Purchase Agreement	Completed	Lincoln Admin/County Counsel	
Solar Star Site Lease Agreement	Completed	Lincoln Admin/County Counsel	
Machado Recycled Water Agreement	Completed	Lincoln Admin/County Counsel	
Farm Management of Effluent Disposal Lands Auburn Ravine Ranch	Completed	Lincoln Admin/County Counsel	
Western Placer Waste Management Authority Agreement	Completed	Lincoln Admin/County Counsel	

Radmall Lease	Completed	Lincoln Admin/County Counsel	
Utility Services	In process	Lincoln Admin	Still working on PGE
Alarm systems	Near Completion	Lincoln Admin/County Counsel	
Ensure proper transfer of SMD1 duties	Completed	Stantec/Placer	
Other			
Logo, Letterhead, etc.	Completed		
Website	In process		Getting .gov approval
City of Lincoln Admin/IT and Public Works services	In process		
Policies and Procedures			
Board Compensation Policy	pending		
Procurement Policy	pending		Rough Draft
Investment Policy	pending		
Reserve Policy	pending		
Debt Management Policy	Completed		Approved
Establish WWTRU Policy	Completed	Lincoln/Placer	Approved

RFQ Development

LiSWA WWTRF Project Phase I

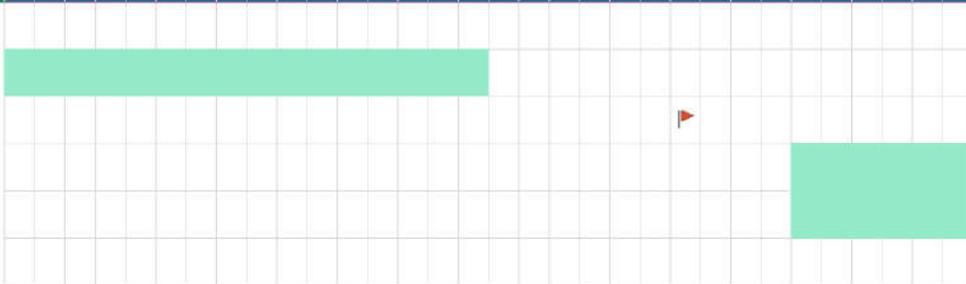
George Barber

Project start date: 7/14/2023

Milestone marker: 1 

< | > Scrolling increment: 6

July														August																	
20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S



RFQ Evaluation Period

LiSWA WWTRF Project Phase I

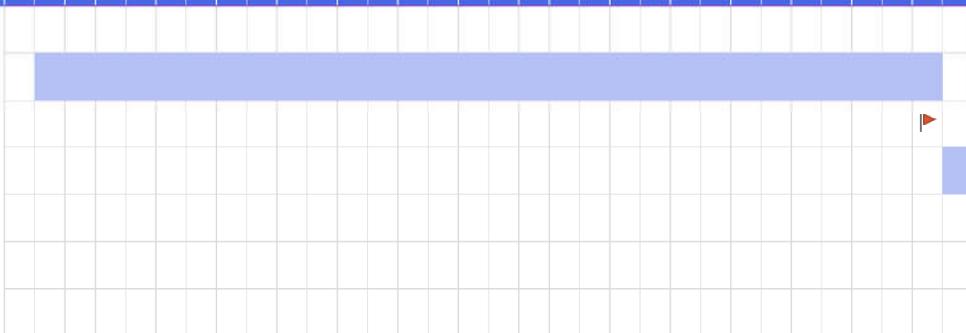
George Barber and Selection Team TBD

9/12/2023

Milestone marker: 1 

< | > Scrolling increment: 0

September														October																	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13
T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F



Contract Finalize & Execute

LISWA WWTRF Project Phase I

Wes Miliband/ George Barber

Project start date: 12/8/2023

Milestone marker: 1 

< | >

Scrolling increment: 0

December

January

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	
F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	

Milestone description	Assigned to	Progress	Start	Days
Negotiate and Finalize				
Negotiate Contract		0%	12/8/2023	44
Contract Presented to Board			2/9/2024	1
Crossover Period if Needed		0%	2/12/2024	141

LiSWA Expense Detail as of 07/06/23

Vendor	Date	Invoice #	Amount	G/L	G/L BEGINNING BALANCE	G/L ENDING BALANCE
G/L ACCOUNTING 52080: INSURANCE						
Alliant Insurance Services	05/04/23	LINCMAI-CL	\$ 282,165.31	52080	\$ 275,000.00	\$ (7,165.31)
	05/04/23	LINCMAI-CE	\$ 25,269.81	52080		\$ (32,435.12)
	05/04/23	LINCMAI-CA	\$ 16,492.29	52080		\$ (48,927.41)
Total G/L 52080: INSURANCE			\$ 323,927.41		\$ 275,000.00	\$ (48,927.41)
G/L ACCOUNTING 52160: MAINTENANCE						
City of Lincoln	06/07/23	649707	\$ 4,638.91	52160	\$ 852,000.00	\$ 847,361.09
Total G/L 52160: MAINTENANCE			\$ 4,638.91		\$ 852,000.00	\$ 847,361.09
G/L ACCOUNTING 52170: FUEL AND LUBRICANTS						
City of Lincoln	06/07/23	649707	\$ 6,662.41	52170	\$ 8,800.00	\$ 2,137.59
Total G/L 52170: FUEL AND LUBRICANTS			\$ 6,662.41		\$ 8,800.00	\$ 2,137.59
G/L ACCOUNTING 52360: PROFESSIONAL AND SPECIAL SERVICES - GENERAL						
Atkinson, Andelson, Loya, Ruud & Romo	02/28/23	675599	\$ 6,587.89	52360	\$ 240,000.00	\$ 233,412.11
	03/31/23	678837	\$ 30,769.71	52360		\$ 202,642.40
	04/30/23	681099	\$ 13,730.52	52360		\$ 188,911.88
	05/31/23	683740	\$ 24,642.75	52360		\$ 164,269.13
Total Atkinson, Andelson, Loya, Ruud & Romo			\$ 75,730.87			
Fieldman, Rolapp & Associates	02/13/23	28106	\$ 2,185.00	52360		\$ 162,084.13
	01/03/00	28197	\$ 4,220.50	52360		\$ 157,863.63
	04/26/23	28301	\$ 2,682.00	52360		\$ 155,181.63
	06/15/23	28411	\$ 1,866.50	52360		\$ 153,315.13
Total Fieldman, Rolapp & Associates			\$ 10,954.00			
West Yost Associates	12/31/22	2052168	\$ 21,536.28	52360		\$ 131,778.85
	01/31/23	2052533	\$ 30,593.64	52360		\$ 101,185.21
	02/28/23	2052983	\$ 30,139.02	52360		\$ 71,046.19
	03/31/23	2053250	\$ 49,050.98	52360		\$ 21,995.21
	04/30/23	2053636	\$ 27,208.10	52360		\$ (5,212.89)
	05/31/23	2054084		52360		\$ (5,212.89)
Total West Yost Associates			\$ 158,528.02			
City of Lincoln	06/07/23	649707	\$ 41,747.07	52360		\$ (46,959.96)
Total City of Lincoln			\$ 41,747.07			
Total G/L 52360: PROFESSIONAL AND SPECIAL SERVICES - GENERAL			\$ 286,959.96			\$ (46,959.96)
G/L ACCOUNTING 52380 - PROFESSIONAL AND SPECIAL SERVICES TECHNICAL, ENGINEERING & ENVIRONEMNTAL						
City of Lincoln	06/07/23	649707	\$ 1,555,091.83	52380	\$ 5,670,955.00	\$ 4,115,863.17
Stantec	06/30/23	2099921	\$ 284,402.75	52380		\$ 3,831,460.42
Stantec	06/30/23	2099923	\$ 161,116.42	52380		\$ 3,670,344.00
Total City of Lincoln			\$ 2,000,611.00			
Total G/L 52380: PROFESSIONAL AND SPECIAL SERVICES TECHNICAL, ENGINEERING & ENVIRONMENTAL			\$ 4,001,222.00		\$ 5,910,955.00	\$ 1,909,733.00
G/L ACCOUNTING 52390 - PROFESSIONAL AND SPECIAL SERVICES - COUNTY						
City of Lincoln	06/07/23	649707	\$ 1,765.00		\$ 5,000.00	\$ 3,235.00
Total City of Lincoln						\$ 3,235.00
Total G/L 52390 - PROFESSIONAL AND SPECIAL SERVICES - COUNTY			\$ 1,765.00		\$ 5,000.00	\$ 3,235.00
G/L ACCOUNTING 52400 - PROFESSIONAL AND SPECIAL SERVICES - I/T						
City of Lincoln	06/07/23	649707	\$ 6,787.61		\$ 500.00	\$ (6,287.61)
Total City of Lincoln						\$ (6,287.61)
Total G/L 52400 - PROFESSIONAL AND SPECIAL SERVICES - I/T			\$ 6,787.61		\$ 500.00	\$ (6,287.61)
G/L ACCOUNTING 52800 - UTILITIES						
City of Lincoln	06/07/23	649707	\$ 451,430.01		\$ 1,699,000.00	\$ 1,247,569.99
Total City of Lincoln						\$ 1,247,569.99
Total G/L 52800 - UTILITIES			\$ 451,430.01		\$ 1,699,000.00	\$ 1,247,569.99
GRAND TOTAL			\$ 5,083,393.31		\$ 8,751,255.00	\$ 3,667,861.69

June 2023 WWTRF Operations Report

7-14-23

Highlights

-140 Million Gallons (MG) of influent with 164 MG sent to reclamation, 13 MG stored in Tertiary Storage and 0.3 MGD sent to Auburn Ravine. Maturation Pond #2 is nearly drained which accounts for the extra flow sent to reclamation.

-110 yards of wood chips were added to the plant biofilter to raise the height by one foot. Operations has found that adding media rather than replacing it can double the life of the filter thus delaying the costly media removal and replacement.

-We adjusted filter feed weirs on cells 5 and 6 to optimize the process.

-Upgraded the SCADA software to the latest version of Ignition. This was a very technical and time-consuming process. 95% of the work was completed in house.

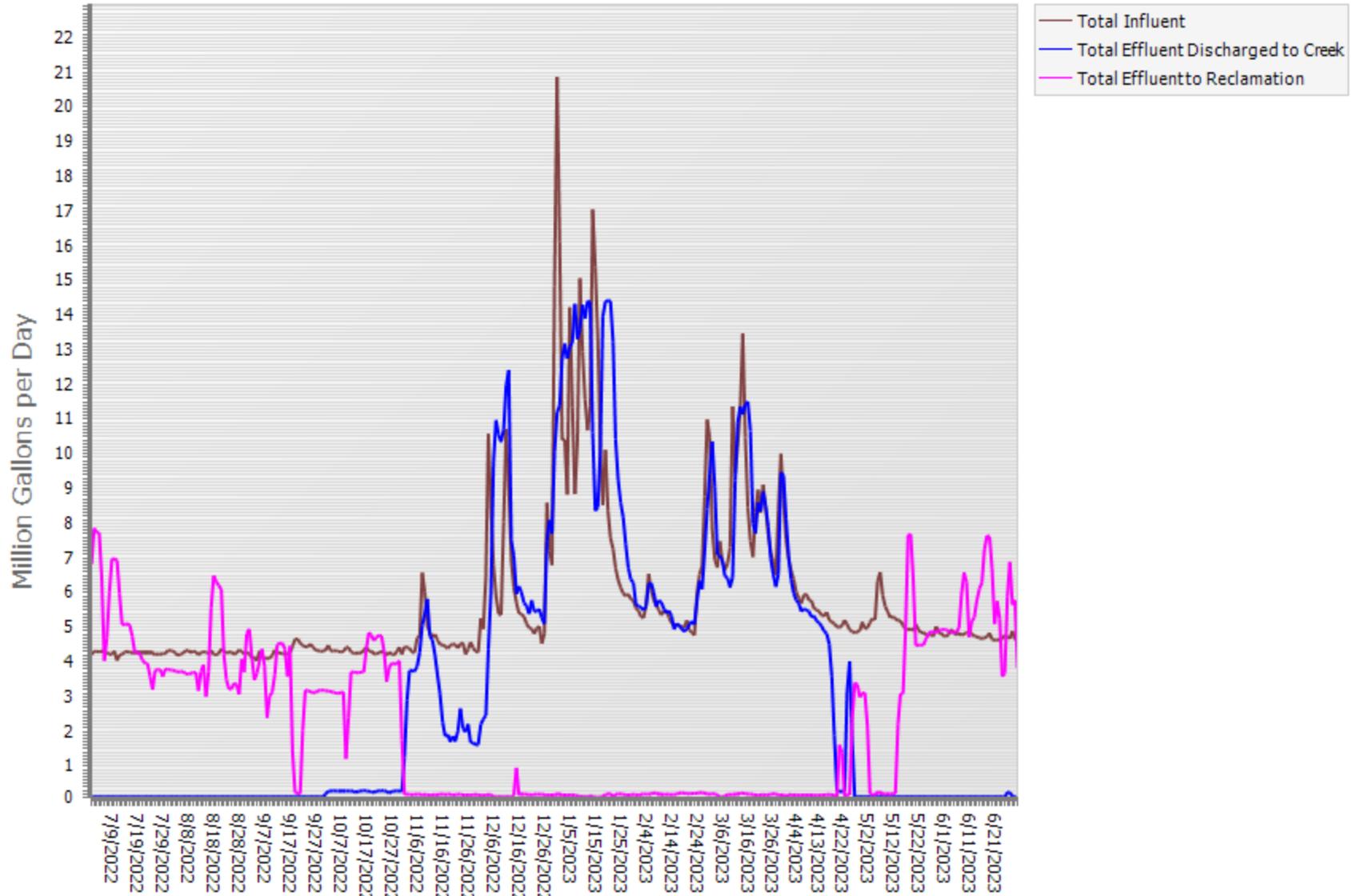
-Warm Springs recapture sump #3 electrical improvements were completed.

Compliance

No compliance issues.

Major Equipment Out of Service						
Equipment	Failure Date	Redundancy	Problem	Solution	Estimated Repair Cost	Estimated Return to Service Date
Influent pump 1B	4/5/2023	1 of 6	Motor winding problem.	Pump is waiting for repairs at our new pump shop.	\$7,000	6/30/2023
Ox Ditch #2 blower #5	6/13/2023	1 of 3	Oil pump failure	Manufacturer will repair under warranty.	\$0	7/14/2023
Clarifier #2	N/A	1 of 3	Proactive main bearing replacement	Main bearing will be replaced in July	\$130,000	7/30/2023

Total Treatment Plant Flow





Lincoln-SMD1 Wastewater Authority

Memorandum

To: Board of Directors
From: George Barber, General Manager
Date: 0714/23 Regular Board Meeting

Agenda Item #7

SUBJECT: Bond Funding Team Consideration

7.1 APPROVAL AND AUTHORIZATION FOR THE GENERAL MANAGER TO NEGOTIATE AN AGREEMENT WITH FIELDMAN, ROLAPP & ASSOCIATES FOR MUNICIPAL ADVISORY SERVICES – Consider approval for the General Manager to negotiate an agreement with Fieldman, Rolapp & Associates for consulting services for issuance of debt, with such agreement to come to the Board for consideration and potential approval at a future meeting.

7.2 APPROVAL AND AUTHORIZATION FOR THE GENERAL MANAGER TO NEGOTIATE AN AGREEMENT WITH JONES HALL FOR BOND COUNSEL SERVICES – Consider approval for the General Manager to negotiate an agreement with Jones Hall, A Professional Law Corporation for Bond Counsel Services, with such agreement to come to the Board for consideration and potential approval at a future meeting.

7.3 APPROVAL AND AUTHORIZATION FOR THE GENERAL MANAGER TO NEGOTIATE AN AGREEMENT WITH OPPENHEIMER & CO FOR BOND UNDERWRITING SERVICES – Consider approval for the General Manager to negotiate an agreement with Oppenheimer & Co for Bond Underwriting Services, with such agreement to come to the Board for consideration and potential approval at a future meeting.

As we finalize the components of Phase I of the Wastewater Treatment and Reclamation Facility improvements, it is appropriate to bring together a team to prepare for the issuance of bonds.

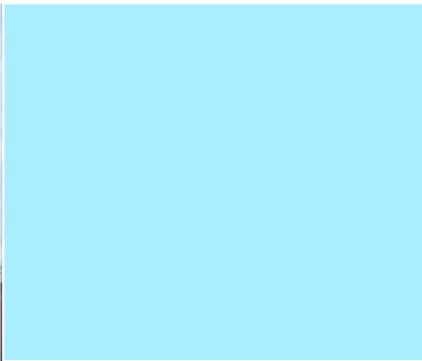
You have had experience with Fieldman, Rolapp & Associates as our Municipal Advisor for some time. Jones Hall comes at the recommendation of the Treasurer, Tristan Butcher, and I have had a positive experience with them at a previous employer. Oppenheimer & Co has been vetted by Placer County and is on their list of approved underwriters. I have had a positive experience with the team from Oppenheimer as well. Their proposed pricing is very competitive.

I had a call and discussed the financing team with Tristan from Placer County and Nita Wracker from the City of Lincoln. They may attend the meeting.

Attached you will find Statements of Qualifications from each firm.

Staff Recommendation:

“Motion to approve the General Manager to negotiate an agreement with Fieldman, Rolapp & Associates for consulting services, Jones Hall, A Professional Law Corporation for Bond Counsel Services, and Oppenheimer & Co for Bond Underwriting Services with such agreements to come to the Board for consideration and potential approval at a future meeting.”



REQUEST FOR QUALIFICATIONS ("RFQ")
FROM FIELDMAN, ROLAPP & ASSOCIATES, INC.



July 6, 2023

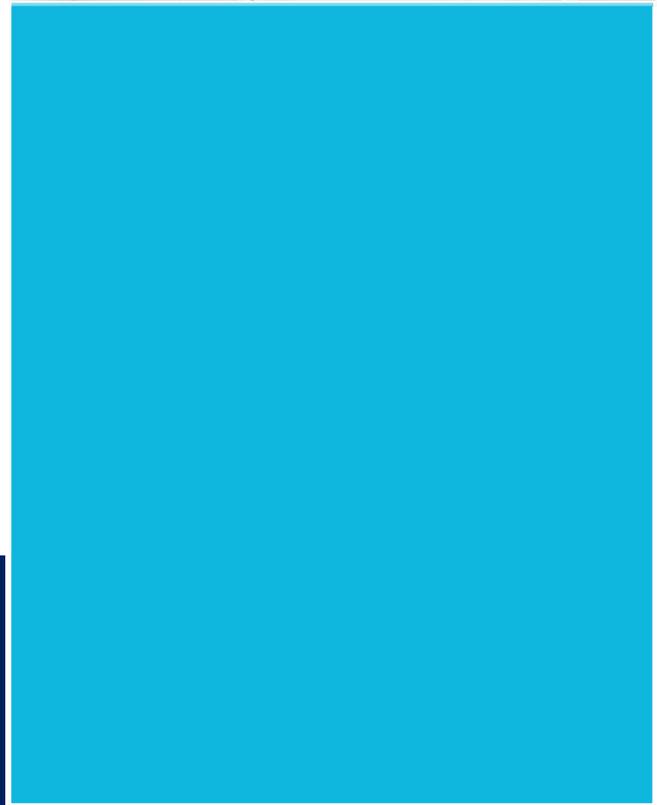


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4. CONCLUSION	8

APPENDIX A All Fieldman Transactions

APPENDIX B Team Resumes

July 6, 2023

George Barber, General Manager
Lincoln-Sewer Maintenance District 1 Wastewater Authority
828 7th Street
Lincoln, CA 95648

Dear Mr. Barber,

Fieldman, Rolapp & Associates, Inc. ("Fieldman" or "the Firm") is pleased to submit this Request for Qualifications ("RFQ") to serve as Municipal Advisor to the Lincoln-Sewer Maintenance District 1 Wastewater Authority ("LiSWA" or the "Authority"). Our RFQ highlights our industry-leading transactional experience advising California Special Authorities; our experience developing financial plans for clients and planning the execution of financings; and our experience developing credit strategies to optimize credit ratings.

Firm Overview. Fieldman is a full service, independent registered municipal advisor with 100% of our firm's business focused on public sector financial services. The Firm was established in 1966, and incorporated in California on November 21, 1974. As an independent advisor, Fieldman neither underwrites bonds nor has a relationship, direct or otherwise, with any municipal bond underwriter, broker/dealer or financial institution. Providing unbiased, independent financial advice to our clients is all we do. The Firm maintains its headquarters' office in Irvine and has a bay area office in San Francisco. We provide services to cities, counties, transportation agencies, water and other utility Authorities, K-12 schools, and community colleges. Although we have several clients in other states, our primary focus is on California issuers. All firm offices service our California accounts, and the San Francisco office will be the primary location of services to the Authority.

Firm Size and Staffing. Fieldman has a staff of 18 employees (12 registered municipal advisor representatives with Series 50 certifications). Through our Employee Stock Ownership Program (ESOP), our employees, as beneficial owners of the Firm, participate in an ownership culture; each of us has a strong interest in being efficient and providing responsive service on every assignment. The Firm is led by the primary shareholders and the Board of Directors of the firm. They are Adam Bauer, CEO/President; Dr. Anna V. Sarabian, Principal; and James V. Fabian, Principal. Our proposed team is comprised of two senior advisors who specialize in California utility revenue bond finance. Fieldman's team will be led by two experienced utility practice advisors, **James Fabian**, Principal, who will be primarily responsible for all aspects of our engagement, and **Un Chu Reardon**, Senior Vice President. Mr. Fabian and Ms. Reardon will be supported by **Melinda Kays**, Associate. The proposed team will be available to the Authority on a full-time basis.

Why Fieldman is the Best Fit for the Authority. Fieldman is the best choice to serve the Authority because the Authority needs not only an advisor that has experience, but one that you can depend on and knows the Authority. This is reflected in the Firm's core values of experience, integrity, and service. **Experience.** As we will demonstrate in this RFQ and have demonstrated serving as the Authority's financial advisor since the beginning of the Authority, we have unparalleled experience, especially in the utility sector and with special Authorities. Fieldman has been the advisor on 100 utility transactions over the last five years, making Fieldman California's most-active advisor (based upon the number of transactions completed) in the water/wastewater sector. Additionally, Fieldman has extensive experience with designing and creating complex financial models that

assess the use of multiple funding sources to provide definitive funding strategies. **Integrity.** We have incomparable character and service, actively listening to our clients and providing well thought out recommendations that are backed by review of options and data to support our conclusions. Our advice has always been independent of other interests, only focused on our clients. **Service.** We offer customized financial advice that has distinguished us from our competitors and are committed to delivering innovative solutions for our special Authority clients. We will work collaboratively with the Authority and other finance team members.

Scope of Services. The Authority is seeking a qualified financial advisory firm that possesses in-depth knowledge of the Authority and ability to assist the Authority with financial advisory services specifically in relation to: implementation of a long-range financial plan that aligns with the Authority's Capital Improvement Plan to upgrade the Wastewater treatment plant in two phases; provide financing options for debt issuance; devise a credit rating strategy; possess bond market expertise; and take charge of leading the transaction process. Our service to the Authority will focus on implementing the following approach:

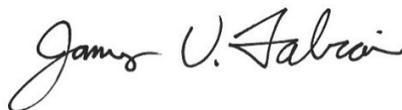
- **Providing rigorous quantitative analysis** of the Authority's financial situation, financing strategies and options, and then providing clear, concise advice.
- **Using our expertise as a market leader** to enable the Authority to issue any debt with the highest possible credit rating and optimal structure to achieve the lowest cost of capital.
- **Efficiently implementing** the Authority's capital program. We will work with staff to understand objectives and then manage the transaction so that the issuance process is efficiently carried out to completion.

We trust that the material contained herein will conclusively demonstrate the benefits of selecting our firm to be the Authority's advisor. We pledge to offer the Authority an uncommon level of service, service that is personal and attentive, to guide the Authority through the implementation of any potential financing and the development of all necessary foundation policies, analyses, and documents to achieve the Authority's objectives. It will be a privilege to join your financing team and we pledge our undivided attention to ensuring the Authority's success.

The undersigned are authorized to answer questions and to bind the Firm. Our proposal is valid for 120 days.

Sincerely,

FIELDMAN, ROLAPP & ASSOCIATES, INC.



**Engagement Manager/Co-Project Manager/
Designated Contact Individual**

James Fabian, Principal
1 Sansome Street, Suite 3500
San Francisco, CA 94104
jfabian@fieldman.com
(415) 489-2860 direct, (949) 246-2344 cell



**Co-Project Manager/
Lead Technical Consultant**

Un Chu Reardon, Senior Vice President
Redmond, WA
ureardon@fieldman.com
(949) 660-7315 direct, (415) 933-0968 cell

1. QUALIFICATIONS

Licenses. Fieldman is a registered Municipal Advisor with the Municipal Securities Rulemaking Board (MSRB Registration #K0276) and the U.S. Securities and Exchange Commission (SEC Registration #867-00175). We have a staff of 18 full-time employees (12 qualified municipal advisor representatives who have successfully passed the Series 50 exam and are familiar with all applicable Federal and California statutes related to debt issuance). The team assigned to the Authority all are municipal advisor representatives (Series 50) licensed to practice in California; and Mr. James Fabian and Ms. Un Chu Reardon are also registered municipal advisor principals (Series 54).

General Financial Advisory Experience. Fieldman primarily serves ongoing clients, advising on numerous non-transactional matters each year. For most of our clients, such services we routinely provide include long-term financial planning, credit rating strategies, and proactive review of refunding opportunities, to name but a few. For our clients in which we serve as an Independent Registered Municipal Advisor ("IRMA"), Fieldman provides ongoing debt modeling and analyses including debt affordability/feasibility, periodic rating surveillance presentations, and recommendations on debt and other policies. Additionally, Fieldman tracks all outstanding public debt through the use of our proprietary Excel model database and Bloomberg which functions as a dynamic database and provides current information on outstanding public debt. We provide systematic periodic reviews to monitor refunding opportunities for our clients. We also model our clients' debt in DBC (described herein) not only for Fieldman's own refunding reviews, but this also allows us to quickly review ad hoc financing proposals submitted by underwriting firms. The ability to track our clients' debt provides our clients the ability to effectively plan and strategize for future capital needs and take advantage of potential refunding opportunities.

Financial Modeling. Fieldman has comprehensive experience and expertise in providing our clients with dynamic models that can be used to frame policy decisions. We prepare many financial models and forecasts for our clients to use as a tool to help develop long-term strategic plans or determine the best course of action for a specific project, and we can do the same for the Authority. The financial models in support of long-range financial plans are very specific and are developed to compare the costs of different funding options to fund our clients' capital improvement programs. Each model is designed and constructed from scratch to tailor the model specifically for each client's needs. The models provide a framework for our clients to determine whether to utilize existing interim financings options, issue long-term fixed rate bonds or a hybrid approach using cash to fund large, ongoing capital programs.

As the Authority's Municipal Advisor we assisted in the creation of a detailed dynamic rate model to support the issuance of bonds in 2023/24 to finance phase 1 of the project as well as funding to support phase 2 in 2027/28. Fieldman worked closely with staff from LiSWA, the City and the County to prepare financial projections and a debt capacity analysis to determine the level of rates needed to be increased by LiSWA, the City and the County. We also advised on the level of reserves and coverage needed to support an investment grade rating from rating agencies.

Technical Resources and Bond Market Expertise. One of our core purposes is to provide our clients the same level of technical resources available to investment banking firms. With that in mind, our resources include: 1) **Bloomberg.** We can monitor and analyze real-time financial market data movements. 2) **TM3.** Our subscription access to the Thomson Reuters Municipal Market Monitor (TM3) provides comprehensive coverage of the municipal cash, derivatives and U.S. Treasury markets. 3) **DBC.** DBC offers the most sophisticated sizing and structuring software

package that will permit us to analyze and structure any bond or loan structure for the Authority including reviewing financing proposals from investment bankers. Additionally, Fieldman has subscriptions to other news services such as The Bond Buyer, and The Wall Street Journal. All of the above resources are indispensable to Fieldman's ability to provide our clients with the highest level of service which justifies their high cost, with such resources contributing to our competitive advantage, since this high cost is prohibitive for smaller firms.

Each of these resources allows us to gather and analyze the fixed-income markets for use in debt pricing, spread negotiations and forecasting economic conditions. With access to Bloomberg and TM3, we have access to the latest pricing information in the fixed-income markets. As evidence of our commitment to our clients, Fieldman provides a bi-monthly market update email to our clients providing the latest relevant market information. Our market update information and accompanying video summarizing the slides can be found on our website at <http://www.fieldman.com/news/>.

In addition to our electronic resources, our consistent market access bringing to market approximately two financings per week, helps us maintain relationships with a wide variety of municipal underwriting desks to provide a range of subjective perspectives on market conditions, interest rates and economic issues. At the time of pricing, we research the market to identify recent similar transactions that we use as a basis for comparing the scale for the underwriter. As fiduciary to the Authority, we believe it is our responsibility to do the due diligence and prepare the comparable sales table, and not rely on the underwriter to prepare this information for negotiated sales. By taking the lead on the process, we help weed out examples that are not good comparable sales to the financing. We believe that this pro-active approach is critical to our clients achieving the lowest interest rates possible. Based on feedback received from other industry professionals, we believe Fieldman is the only financial advisory firm in California to consistently provide this service for negotiated sales.

Credit Rating Analytic Resources. We have extensive experience in developing rating agency presentations and strategies for our clients. Fieldman takes the lead in preparing both the approach and presentation and selection of which rating agencies to utilize for a given transaction. Fieldman maintains accounts with Dataquick, Claritas, and other providers of economic and demographic data. We undertake a detailed review of this information and then advise our clients on how to best incorporate into the presentation. As one of the most active advisors to California agencies, we are continuously in contact with rating agency analysts. Our market intelligence gives us a thorough understanding of the process and criteria. It also allows us to prepare clients for the nuances and subtle facts the analysts are seeking from the credit presentation.

A recent example of this is our municipal financial advisory engagement with the McKinleyville Community Services Authority ("MCSD") and MCSD's first ever credit rating request in connection with the issuance of its Series 2021B Bonds. In November 2022, we advised and took the lead on preparing the credit rating strategy and related credit presentation book for Standard & Poor's ("S&P"). We assisted MCSD's staff prepare for the meeting with the rating analysts and helped MCSD craft its story effectively. Our efforts resulted in a very strong 'AA-' rating with a stable outlook from S&P.

2. RELEVANT EXPERIENCE AND REFERENCES

Transaction Experience. Since January 1, 2018, Fieldman has acted as municipal advisor for financings totaling 570 transactions with over \$20.8 billion in proceeds. These include transactions for Cities, Counties, Special Authorities, Transportation Agencies and School Districts. **Special Authority finance accounts for a considerable part of our business and accordingly we focus a great deal of our attention on this sector. In terms of number of**

All Fieldman Transactions January 1, 2018 to Present		
TYPE OF FINANCING	TOTAL PAR AMOUNT	NO. OF ISSUES
Land Secured	\$2,086,468,840	164
COPs/ Lease Revenue	1,641,281,561	77
General Obligation	7,773,280,231	177
Revenue Bonds	4,836,415,285	107
Tax Allocation Bonds	311,730,000	14
Other	4,163,030,272	31
TOTALS	\$20,812,206,188	570

financings, almost 46% of the Firm’s business has been generated by engagements for special Authority financings (261 transactions) totaling \$5.7 billion over the last five years. We apply the knowledge gained working in these other areas to better serve California Special Authorities. See below for the table summarizing financings for all sectors. We believe that the number of transactions and assignments that we have completed and the diversity of our clients have given our professionals a better understanding of the policy and business side of our municipal clients. It is this understanding which permits us to approach challenges with practicality and develop effective financial advice.

Please see **APPENDIX A** for a detailed list of these transactions.

TOP 10 FINANCIAL ADVISORS IN CALIFORNIA Water & Wastewater Financings, 2017 - 2022		
FINANCIAL ADVISOR	Number of Issues	Par Amount (US\$ mil)
1. Fieldman Rolapp & Associates	100	\$3,400.2
2. PFM Financial Advisors LLC	62	\$3,730.5
3. Montague DeRose & Associates LLC	47	\$6,014.7
4. Public Resources Advisory Group	46	\$5,549.8
5. NHA Advisors	28	\$749.1
6. Backstrom McCarley Berry & Co	19	\$1,936.7
7. Urban Futures Inc	17	\$275.8
8. KNN Public Finance	16	\$1,136.8
9. Wulff Hansen & Co	10	\$122.5
10. Bartle Wells Associates	9	\$131.9
TOP TEN TOTALS	354	\$23,048.0

**Source: Refinitiv as of July 20, 2022*

Includes sole advisory roles only

Water and Wastewater Experience. According to Refinitiv statistics (Refinitiv does not maintain records of government sponsored debt), over the last five years, **Fieldman has been the advisor on 100 traditional utility debt transactions with a principal amount exceeding \$3.4 billion.** Additionally, since 2018 Fieldman has advised our utility clients on approximately \$1.4 billion of Water Infrastructure Finance and Innovation Act (“WIFIA”) Loans and approximately \$384 million of SRF Loans.

Case Studies. Below are detailed examples of recent transactions completed by the Fieldman team for water/wastewater issuances in similar size and scope to the Authority’s project.

	<p>MCKINLEYVILLE COMMUNITY SERVICES AUTHORITY Revenue Certificates of Participation, Series 2021A and 2021B Par Amount: \$7,895,000 Bond Rating: S&P: AA-</p> <p><u>Transaction Detail:</u> In December 2021, the Authority completed a debt issuance that generated \$8.5 million in proceeds for water and wastewater capital improvement projects. The certificates helped finance the construction of a 4.5-million-gallon water storage tank and the replacement of three Highway 101 sewer undercrossings.</p>
	<p>ROSAMOND COMMUNITY SERVICES AUTHORITY 2021 Water Rights Acquisition Financing Par Amount: \$17,500,000</p> <p><u>Transaction Detail:</u> In December 2021, the Authority completed a financing that generated \$17.33 million in proceeds for permanent rights to 1,776-acre feet per year of groundwater in the adjudicated antelope valley groundwater basin. This property also included a groundwater production well capable of 1500 gpm.</p>
	<p>TOWN OF DISCOVERY BAY COMMUNITY SERVICES AUTHORITY Revenue Bonds, Series 2022 Par Amount: \$16,860,000 Bond Rating: S&P: AA</p> <p><u>Transaction Detail:</u> In May 2022, the Authority completed a debt issuance that generated \$18 million in proceeds for water and wastewater capital improvement projects. The bonds helped finance the Authority’s Water System construction of Well #8 and the Wastewater System Denitrification Facilities.</p>

References. We encourage the Authority to contact our references listed below.



MCKINLEYVILLE COMMUNITY SERVICES AUTHORITY

1656 Sutter Road, McKinleyville, CA 95519

Patrick Kaspari, *General Manager*

(707) 839-3251, pkaspari@mckinleyvillecsd.com



ROSAMOND COMMUNITY SERVICES AUTHORITY

3179 35TH Street West, Rosamond, CA 93560

Steve Perez, *General Manager*

(661) 256-3411, sperez@rosamondcsd.com

(Please note Mr. Perez has retired and I would contact Mr. Brad Rockabrand the Authority's Finance Director at (661)-256-5812, brockabrand@rosamondcsd.com)



TOWN OF DISCOVERY BAY COMMUNITY SERVICES AUTHORITY

1601 Discovery Bay Blvd., Discovery Bay, CA 94505

Dina Breitstein, *General Manager*

(925) 634-1131, dbreitstein@todb.ca.gov

3. ASSIGNED TEAM

As mentioned in the cover letter, we have assigned a team of three full-time advisors to the Authority. Using a team approach assures the Authority of staffing consistency and that several individuals will be familiar with the Authority's needs and requirements. This approach offers superior service, better turnaround times, ensures Fieldman's availability at all times, and provides more efficient use of the Authority's staff time.

Mr. James Fabian, Principal, will serve as Engagement and Project Manager to the Authority. Additionally, Mr. Fabian is one of three partners of the Firm and his assignment to the Authority will not change over the course of the engagement. Mr. Fabian is committed to making sure all of the tasks outlined in the scope of services are completed in the targeted timeframes. Mr. Fabian will rely on **Ms. Un Chu Reardon**, Senior Vice President, who will act as the Co-Project Manager and Lead Technical Consultant for the team and the Authority. **Ms. Melinda Kays**, Associate, will serve as Transaction Support for the team and the Authority. This is the same team that has assisted the Authority since its inception.

ROLE/RESPONSIBILITY	EXPERIENCE & SKILLS
James Fabian, Principal, San Francisco Office	
<p><u>Primary Point of Contact - Engagement Manager/Co-Project Manager (Project Leader)</u></p> <ul style="list-style-type: none"> ✓ Primary communicator with Authority Staff and Board; attends all Board meetings, as requested, participates in conference calls and assists Authority staff in financing presentations. ✓ Provides strategic planning advice and reviews all financing and legal documents; advises on the sale process and manages the sale. 	<p><u>Qualifications</u></p> <ul style="list-style-type: none"> ✓ More than 39 years of experience in municipal finance, 23 at Fieldman. ✓ Extensive experience with all types of municipal debt for CA agencies. ✓ Extensive credit rating experience. ✓ Holds Series 50 and 54 licenses.
Un Chu Reardon, Senior Vice President, Washington Office	
<p><u>Backup Engagement/Co- Project Manager and Lead Technical Support</u></p> <ul style="list-style-type: none"> ✓ Available as a resource for Authority staff and Board presentations. ✓ Secondary communicator with Authority staff. ✓ Provides quantitative & technical analysis, and ad-hoc financial analysis, as needed. ✓ Reviews financial materials. 	<p><u>Qualifications</u></p> <ul style="list-style-type: none"> ✓ Over 22 years of experience in the municipal finance industry, joined Fieldman in 2019. ✓ Extensive experience with all types of municipal debt for CA agencies. ✓ Extensive bond program quantitative experience. ✓ Holds Series 50 and 54 licenses.
Melinda Kays, Associate, Hawaii Office	
<p><u>Quantitative Analysis and Transaction Support</u></p> <ul style="list-style-type: none"> ✓ Assists with all quantitative analyses. ✓ Reviews financial materials vital to the transaction. ✓ Reviews underwriting responses to requests for proposals. ✓ Prepares rating agency materials and assists in communicating with the rating analysts. ✓ Assists with RFQs for other service providers 	<p><u>Qualifications</u></p> <ul style="list-style-type: none"> ✓ Joined Fieldman in 2021. ✓ Focus on California special Authorities, schools and cities and experience in financial modeling. ✓ Holds Series 50 license.

Please see **APPENDIX B** for the project team’s resumes.

4. CONCLUSION

It has been our pleasure serving as the Authorities Municipal Advisor since its inception and assisting in the financial modeling and planning to position the Authority to move forward with the financing plan for the Phase 1 plant expansion in FY 2023/24 and Phase 2 in FY 2027/28. I believe this prior experience and knowledge positions Fieldman to serve as the Authority’s Municipal Advisor to implement the financing plan for the Phase 1 plant expansion in FY 2023/24.

APPENDIX A

All Fieldman Transactions

Fieldman, Rolapp & Associates

All Fieldman Transactions

January 1, 2018 to Present

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Eastern Municipal Water District	Community Facilities District No. 2017-77 (La Ventana) Improvement Area B, 2023 Special Tax Bonds	\$5,280,000	03/30/2023	Community Facilities District CFD
Temecula Public Financing Authority	Community Facilities District No. 16-01 (Roripaugh Ranch Phase 2), Special Tax Bonds, Capital Appreciation Series 2023B	\$2,540,180	03/01/2023	Community Facilities District CFD
Temecula Public Financing Authority	Community Facilities District No. 16-01 (Roripaugh Ranch Phase 2), Special Tax Bonds, Series 2023A	\$5,980,000	03/01/2023	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2020-88 (Reserve) 2023 Special Tax Bonds	\$5,160,000	02/23/2023	Community Facilities District CFD
Hawai'i County	Community Facilities District No. 1-2021 (Kaloko Heights Project) Special Tax Revenue Bonds, Series 2023	\$13,055,000	02/09/2023	Community Facilities District CFD
Val Verde Unified School District	Community Facilities District No. 2018-2 (Stratford Ranch) Improvement Area No. 1 Series 2023 Special Tax Bonds	\$7,345,000	01/31/2023	Community Facilities District CFD
Riverside Unified School District	Community Facilities District No. 37 (Wood & Lurin) of Riverside Unified School District Series 2023A Special Tax Bonds (Tax-Exempt)	\$3,435,000	01/25/2023	Community Facilities District CFD
Riverside Unified School District	Community Facilities District No. 37 (Wood & Lurin) of Riverside Unified School District Series 2023B Special Tax Bonds (Federally Taxable)	\$1,760,000	01/25/2023	Community Facilities District CFD
Hayward Area Recreation and Park District	Election of 2016 General Obligation Bonds, Series B	\$85,000,000	01/24/2023	General Obligation GO
Riverside Unified School District	Election of 2016 General Obligation Bonds, Series C	\$80,000,000	01/24/2023	General Obligation GO
San Jacinto Unified School District	General Obligation Bonds, Election of 2016, Series 2022	\$18,750,000	12/14/2022	General Obligation GO
Hemet Unified School District	2022 General Obligation Bonds, Election of 2018, Series D	\$30,000,000	12/07/2022	General Obligation GO
County of Madera	Community Facilities District No. 2021-1 (Tesoro Viejo II) Improvement Area 2, 2022 Special Tax Bonds	\$6,730,000	11/30/2022	Community Facilities District CFD
County of Madera	Community Facilities District No. 2021-1 (Tesoro Viejo II) Improvement Area 1, 2022 Special Tax Bonds	\$14,000,000	11/30/2022	Community Facilities District CFD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Folsom Ranch Financing Authority	City of Folsom Community Facilities District No. 20 (Russell Ranch) Special Tax Revenue Bonds, Series 2022	\$11,225,000	11/17/2022	Community Facilities District CFD
Santa Ana Unified School District	General Obligation Bonds, 2018 Election, 2022 Series C	\$92,000,000	11/16/2022	General Obligation GO
San Marcos Unified School District	2022 Energy Project Financing (Private Placement)	\$23,753,137	11/07/2022	Lease
City of Laguna Beach	2022 Lease Financing (Property Acquisition)	\$11,660,000	11/03/2022	Lease
La Cañada Unified School District	Election of 2017 General Obligation Bonds, Series C	\$30,000,000	10/26/2022	General Obligation GO
Montebello Unified School District	General Obligation Bonds, Election of 2016, Series B	\$100,000,000	10/26/2022	General Obligation GO
City of Dublin	Community Facilities District No. 2015-1 (Dublin Crossing) Improvement Area No. 4, Special Tax Bonds, Series 2022	\$21,720,000	09/28/2022	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2014-65 (Menifee 28859) 2022 Special Tax Bonds	\$4,540,000	09/28/2022	Community Facilities District CFD
Eastern Municipal Water District	CFD No. 2015-68, 2022 Special Tax Bonds	\$1,818,928	09/21/2022	Community Facilities District CFD
City of Sacramento	Railyards Community Facilities District No. 2018-01 (Improvements) Special Tax Bonds, Series 2022	\$30,000,000	09/14/2022	Community Facilities District CFD
Discovery Bay Public Financing Authority	Enterprise Revenue Refunding Bonds, Series 2022B (2012 Water and Wastewater Projects Refinancing)	\$11,650,000	08/25/2022	Revenue Bonds RB
Yorba Linda Water District Financing Authority	Revenue Bonds, Series 2022A	\$32,310,000	07/20/2022	Revenue Bonds RB
City of Carlsbad	Reassessment District No. 2022-1, Limited Obligation Refunding Bonds	\$16,240,000	07/20/2022	Other
Folsom Ranch Financing Authority	Community Facilities District No. 23 (Folsom Ranch) Improvement Area No. 3, Special Tax Revenue Bonds, Series 2022	\$9,430,000	07/20/2022	Community Facilities District CFD
Indio Public Financing Authority	Lease Revenue Bonds, Series 2022A	\$119,450,000	06/29/2022	Lease Revenue Bonds LRB
County of Los Angeles	Community Facilities District No. 2021-01 (Valencia-Facilities) (Improvement Area No. 1) Special Tax Bonds, Series 2022	\$52,840,000	06/28/2022	Community Facilities District CFD
Fowler Unified School District	General Obligation Bonds, Election of 2016, Series C	\$11,998,114	06/28/2022	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Poway Unified School District	Certificates of Participation (2012 School Facilities Restructuring Program) - 2022 Rate Mode Extension	\$36,565,000	06/16/2022	Certificates of Participation COP
Beaumont Unified School District	Community Facilities District No. 2020-1 (Improvement Area No. 1), 2022 Special Tax Bonds	\$3,420,000	06/16/2022	Community Facilities District CFD
County of Riverside	2022 Tax and Revenue Anticipation Note	\$360,000,000	06/14/2022	Tax Revenue Anticipation Note TRA
City of Sacramento	Delta Shores Community Facilities District No. 2019-01 (Improvements) Improvement Area No. 2 Special Tax Bonds, Series 2022	\$10,230,000	06/14/2022	Community Facilities District CFD
Truckee Donner Public Utility District	Electric System Revenue Certificates of Participation, Series 2022A	\$6,470,000	06/09/2022	Certificates of Participation COP
Truckee Donner Public Utility District	Water System Revenue Certificates Of Participation, Series 2022A	\$14,825,000	06/09/2022	Certificates of Participation COP
Poway Unified School District	Community Facilities District No. 15 (Del Sur East) Improvement Area D, 2022 Special Tax Bonds	\$14,890,000	05/25/2022	Community Facilities District CFD
Moreno Valley Unified School District	Community Facilities District No. 2019-2, Series 2022 Special Tax Bonds	\$4,955,000	05/18/2022	Community Facilities District CFD
Moreno Valley Unified School District	Community Facilities District No. 2019-1, Series 2022 Special Tax Bonds	\$5,325,000	05/18/2022	Community Facilities District CFD
Murrieta Financing Authority	Local Agency Revenue Refunding Bonds, Series 2022	\$29,075,000	05/13/2022	Community Facilities District CFD
Temecula Public Financing Authority	Community Facilities District No. 03-03 (Wolf Creek) 2022 Special Tax Refunding Bonds	\$15,330,000	05/11/2022	Community Facilities District CFD
Hemet Unified School District	Community Facilities District No. 2020-3, 2022 Special Tax Bonds	\$3,065,000	05/10/2022	Community Facilities District CFD
Orange Unified School District	General Obligation Bonds, Election of 2016, Series 2022	\$100,000,000	05/10/2022	General Obligation GO
Jurupa Community Services District	Community Facilities District No. 31 (Eastvale Area) Special Tax Refunding Bonds, 2022 Series A	\$9,490,000	05/05/2022	Community Facilities District CFD
Del Mar Union School District	General Obligation Bonds, 2018 Election, Series 2022 B	\$64,000,000	05/03/2022	General Obligation GO
Santa Ana Unified School District	2022 General Obligation Refunding Bonds (Bank Loan)	\$17,386,000	04/29/2022	General Obligation GO
Panama-Buena Vista Union School District	General Obligation Bonds, Election of 2018, Series 2022	\$22,000,000	04/28/2022	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Discovery Bay Public Financing Authority	Enterprise Revenue Bonds, Series 2022 (Water and Wastewater Projects)	\$16,860,000	04/28/2022	Revenue Bonds RB
Arvin Union School District	General Obligation Bonds, Election of 2018, Series 2022C (Bank Qualified)	\$2,715,000	04/27/2022	General Obligation GO
Arvin Union School District	General Obligation Bonds, Election of 2014, Series 2022D (Bank Qualified)	\$3,285,000	04/27/2022	General Obligation GO
Folsom Ranch Financing Authority	City of Folsom Community Facilities District No. 23 (Folsom Ranch) Improvement Area No. 1, Special Tax Revenue Bonds, Series 2022	\$11,855,000	04/27/2022	Community Facilities District CFD
City of Placerville	Wastewater Revenue Refunding Bonds, Series 2022	\$15,179,700	04/27/2022	Revenue Bonds RB
El Dorado Irrigation District	Refunding Revenue Bonds, Taxable Series 2022A	\$71,515,000	04/26/2022	Revenue Bonds RB
Elk Grove Finance Authority	2022 Lease Revenue Bonds (Police Facilities)	\$12,035,000	04/20/2022	Lease Revenue Bonds LRB
City of Rialto	Community Facilities District No. 2019-2 (Foothill/Spruce) Special Tax Bonds, Series 2022	\$4,985,000	04/20/2022	Community Facilities District CFD
Temecula Valley Unified School District	Community Facilities District No. 2017-1, Special Tax Bonds, Series 2022	\$7,210,000	04/19/2022	Community Facilities District CFD
Cathedral City Public Financing Authority	Lease Revenue Bonds, 2022 Series A (Federally Taxable)	\$28,780,000	04/13/2022	Lease Revenue Bonds LRB
Jurupa Unified School District	Community Facilities District No. 14, Special Tax Bonds, 2022 Series A	\$19,815,000	04/13/2022	Community Facilities District CFD
County of Kaua'i	Community Facilities District No. 2008-1 (Kukui'ula Development Project) Special Tax Revenue Bonds, Series 2022	\$30,810,000	04/13/2022	Community Facilities District CFD
City of Barstow	2022 Taxable Pension Obligation Bonds	\$20,170,000	04/07/2022	Other
Yucaipa-Calimesa Joint Unified School District	2022 Lease Refinancing	\$5,834,502	04/04/2022	Certificates of Participation COP
Montebello Unified School District	General Obligation Refunding Bonds, Series 2022A	\$12,175,000	03/31/2022	General Obligation GO
Poway Unified School District Public Financing Authority	Special Tax Revenue Refunding Bonds, Series 2022B	\$28,945,000	03/25/2022	Marks Roos
Poway Unified School District Public Financing Authority	Special Tax Revenue Refunding Bonds, Series 2022A	\$15,565,000	03/25/2022	Marks Roos
San Jacinto Unified School District	Community Facilities District No. 2020-1 of the San Jacinto Unified School District Special Tax Bonds, Series 2022	\$1,655,000	03/23/2022	Community Facilities District CFD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Eastern Municipal Water District	Community Facilities District No. 2019-83 (Winchester Ridge) 2022 Special Tax Bonds	\$8,165,000	03/17/2022	Community Facilities District CFD
Val Verde Unified School District	Community Facilities District No. 2018-1 (MPLC Legacy 75) Series 2022 Special Tax Bonds	\$12,450,000	03/17/2022	Community Facilities District CFD
San Jacinto Unified School District	Community Facilities District No. 2003-1 of the San Jacinto Unified School District Special Tax Bonds (Infrastructure Projects), Series 2022	\$4,070,000	03/16/2022	Community Facilities District CFD
Lodi Public Financing Authority	2022 Lease Revenue Bonds (2012 Refunding; Capital Projects Financing)	\$28,250,000	03/15/2022	Lease Revenue Bonds LRB
Garden Grove Unified School District	General Obligation Bonds, Election of 2016, Series 2022	\$76,000,000	03/09/2022	General Obligation GO
Fallbrook Union High School District	General Obligation Bonds, 2016 Election, 2022 Series C	\$24,000,000	03/08/2022	General Obligation GO
Sacramento Suburban Water District	Refunding Revenue Bonds, Series 2022A	\$34,725,000	03/07/2022	Revenue Bonds RB
Sacramento Suburban Water District	Refunding Revenue Bonds, Series 2022B (Taxable)	\$6,585,000	03/07/2022	Revenue Bonds RB
Poway Unified School District	Community Facilities District No. 15 (Del Sur East) Improvement Area A, Special Tax Refunding Bonds, Series 2022	\$8,495,000	02/28/2022	Community Facilities District CFD
East Bay Regional Park District	General Obligation Bonds, Series 2022A-1 (Election of 2008)	\$30,000,000	02/15/2022	General Obligation GO
East Bay Regional Park District	2022 General Obligation Refunding Bonds	\$3,705,000	02/15/2022	General Obligation GO
East Bay Regional Park District	General Obligation Bonds, Series 2022A-2 (Election of 2008) (Green Bonds)	\$30,000,000	02/15/2022	General Obligation GO
Moreno Valley Unified School District	2022 General Obligation Refunding Bonds (Federally Taxable)	\$44,375,000	02/15/2022	General Obligation GO
Yucaipa Valley Water District Financing Authority	Refunding Revenue Bonds, Series 2022B (Taxable)	\$25,400,000	02/09/2022	Revenue Bonds RB
Yucaipa Valley Water District Financing Authority	Revenue Bonds, Series 2022A	\$34,685,000	02/09/2022	Revenue Bonds RB
Bakersfield City School District	General Obligation Bonds, Election of 2016, 2022 Series C	\$33,000,000	02/02/2022	General Obligation GO
Eastern Municipal Water District	Community Facilities District No. 2016-74 (Menifee Town Center) Improvement Area B 2022 Special Tax Bonds	\$6,000,000	02/01/2022	Community Facilities District CFD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Eastern Municipal Water District	Community Facilities District No. 2016-74 (Menifee Town Center) Improvement Area D 2022 Special Tax Bonds	\$6,665,000	02/01/2022	Community Facilities District CFD
Yosemite Community College District	2022 General Obligation Refunding Bonds (Federally Taxable)	\$126,200,000	01/27/2022	General Obligation GO
City of Los Angeles	Community Facilities District No. 8 (Legends at Cascades) 2022 Special Tax Refunding Bonds	\$5,470,000	01/19/2022	Community Facilities District CFD
City of La Habra	Pension Obligation Bonds, Series 2022	\$72,385,000	01/12/2022	Other
The County of Orange	Taxable Pension Obligation Bonds, 2022 Series A	\$521,784,000	01/05/2022	Other
City of Poway	Pension Obligation Bonds, Series 2021 (Federally Taxable)	\$43,825,000	12/14/2021	Other
City of Moreno Valley	Community Facilities District No. 5 Special Tax Refunding Bonds, Series 2021	\$4,795,000	12/09/2021	Community Facilities District CFD
Mission Viejo Community Development Financing Authority	Lease Revenue Bonds (Core Area Vision Plan Project Phase 1) Series 2021A (Taxable)	\$13,590,000	12/08/2021	Lease Revenue Bonds LRB
Mission Viejo Community Development Financing Authority	Lease Revenue Bonds (Core Area Vision Plan Project Phase 1) Series 2021B (Tax-Exempt)	\$5,005,000	12/08/2021	Lease Revenue Bonds LRB
Perris Joint Powers Authority	Local Agency Revenue Bonds (Community Facilities District No. 2007-2 (Pacific Heritage)) 2021 Series	\$3,550,000	12/08/2021	Community Facilities District CFD
McKinleyville Community Services District	Revenue Certificates of Participation Series 2021B (Wastewater Project)	\$3,560,000	12/07/2021	Certificates of Participation COP
McKinleyville Community Services District	Revenue Certificates of Participation Series 2021A (Water Project)	\$4,335,000	12/07/2021	Certificates of Participation COP
City of Barstow	2021 Lease Revenue Bonds	\$8,245,878	11/23/2021	Lease Revenue Bonds LRB
Desert Community College District	General Obligation Refunding Bonds, Series 2021 (Federally Taxable)	\$180,035,000	11/23/2021	General Obligation GO
Desert Community College District	General Obligation Bonds, Election of 2016, Series 2021A-1	\$85,000,000	11/23/2021	General Obligation GO
Desert Community College District	General Obligation Bonds, Election of 2016, Series 2021A-2 (Federally Taxable)	\$25,000,000	11/23/2021	General Obligation GO
Val Verde Unified School District	General Obligation Bonds, 2020 Election, Series 2021B	\$48,000,000	11/16/2021	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Jurupa Unified School District Financing Authority	Special Tax Revenue Refunding Bonds, 2021 Series A (Community Facilities District Nos. 10, 12, 13, and 15)	\$25,815,000	11/16/2021	Revenue Bonds RB
Val Verde Unified School District	General Obligation Bonds, 2012 Election, Series 2021F	\$24,000,000	11/10/2021	General Obligation GO
Val Verde Unified School District	2021 General Obligation Refunding Bonds (Federally Taxable)	\$51,705,000	11/10/2021	General Obligation GO
Grossmont Healthcare District	2021 General Obligation Refunding Bonds, Series E	\$11,670,000	11/09/2021	General Obligation GO
Perris Joint Powers Authority	Local Agency Revenue Bonds (IA 2 of CFD No. 2018-1 (Green Valley-West Elm)), 2021 Series	\$3,590,000	11/09/2021	Community Facilities District CFD
City of Perris	2021 Equipment Lease/Purchase Agreement	\$4,679,271	11/08/2021	Lease
Poway Public Financing Authority	Water Revenue Bonds, Series 2021A	\$12,930,000	11/04/2021	Revenue Bonds RB
Moreno Valley Unified School District	Community Facilities District No. 2018-1 Series 2021 Special Tax Bonds	\$10,010,000	11/04/2021	Community Facilities District CFD
Alta Loma School District	2021 General Obligation Refunding Bonds (Federally Taxable)	\$8,515,000	11/03/2021	General Obligation GO
Alta Loma School District	General Obligation Bonds, 2016 Election, 2021 Series D (Bank Qualified)	\$3,000,000	11/03/2021	General Obligation GO
Inglewood Unified School District	Election of 2020 General Obligation Bonds, Series A	\$75,000,000	10/29/2021	General Obligation GO
Riverside Unified School District	Refunding Revenue Bonds, 2021 Series A (Federally Taxable)	\$28,610,000	10/28/2021	Revenue Bonds RB
Orange County Water District	Revenue Certificates of Participation, Series 2021A	\$94,420,000	10/27/2021	Certificates of Participation COP
Santa Maria-Bonita School District	General Obligation Refunding Bonds, Series 2021 (Federally Taxable)	\$16,310,000	10/20/2021	General Obligation GO
Elk Grove Finance Authority	Special Tax Revenue Bonds Series 2021	\$11,175,000	10/19/2021	Community Facilities District CFD
Long Beach Community College District	General Obligation Bonds 2016 Election, 2021 Series D	\$150,000,000	10/14/2021	General Obligation GO
San Ramon Valley Unified School District	General Obligation Refunding Bonds, Series 2021 (Federally Taxable)	\$256,330,000	10/14/2021	General Obligation GO
Riverside County Transportation Commission (RCTC 91 Express Lanes)	Toll Revenue Senior Lien Refunding Bonds, 2021 Series B-1	\$437,895,000	10/09/2021	Revenue Bonds RB

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Riverside County Transportation Commission (RCTC 91 Express Lanes)	Toll Revenue Senior Lien Refunding Bonds, 2021 Series A (Federally Taxable)	\$88,735,000	10/09/2021	Revenue Bonds RB
Riverside County Transportation Commission (RCTC 91 Express Lanes)	Toll Revenue Senior Lien Refunding Bonds, 2021 Series B-2	\$12,734,000	10/09/2021	Revenue Bonds RB
Riverside County Transportation Commission (RCTC 91 Express Lanes)	Toll Revenue Second Lien Refunding Bonds, 2021 Series C	\$75,695,000	10/09/2021	Revenue Bonds RB
Beaumont Unified School District	Election Of 2008 General Obligation Bonds, Series H	\$12,000,000	10/07/2021	General Obligation GO
Beaumont Unified School District	2021 General Obligation Refunding Bonds, Series A (Federally Taxable)	\$38,050,000	10/07/2021	General Obligation GO
San Marcos Unified School District	Community Facilities District No. 8 of the San Marcos Unified School District Series 2021 Special Tax Bonds (Bank Qualified)	\$3,085,000	10/07/2021	Community Facilities District CFD
City of Los Angeles	Community Facilities District No. 11 (Ponte Vista) Special Tax Bonds, Series 2021	\$22,410,000	10/06/2021	Community Facilities District CFD
Downey Public Financing Authority	Sales Tax Revenue Bonds (Limited Tax Bonds) (Measure M), Series 2021A	\$15,275,000	10/05/2021	Revenue Bonds RB
Downey Public Financing Authority	Sales Tax Revenue Bonds (Limited Tax Bonds) (Measure R), Series 2021B	\$11,385,000	10/05/2021	Revenue Bonds RB
Dublin Financing Authority	2021 Lease Revenue Bonds (Capital Projects)	\$18,565,000	09/30/2021	Lease Revenue Bonds LRB
Eastern Municipal Water District	Community Facilities District No. 2016-74 IA A (Menifee Town Center) 2021 Special Tax Bonds	\$4,185,000	09/28/2021	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2017-79 (Eagle Crest) 2021 Special Tax Bonds	\$13,465,000	09/23/2021	Community Facilities District CFD
East Whittier City School District	Election of 2016 General Obligation Bonds, Series D (Measure R)	\$13,000,000	09/16/2021	General Obligation GO
East Whittier City School District	Election of 2016 General Obligation Bonds, Series D (Measure Z)	\$6,000,000	09/16/2021	General Obligation GO
Moreno Valley Public Financing Authority	Lease Revenue Refunding Bonds, Series 2021 (Taxable)	\$30,985,000	09/15/2021	Lease Revenue Bonds LRB
Silicon Valley Clean Water	Wastewater Revenue Notes, Series 2021B	\$73,840,000	09/14/2021	Revenue Bonds RB
Silicon Valley Clean Water	Wastewater Revenue Notes, Series 2021A	\$68,900,000	09/14/2021	Revenue Bonds RB
Rosemead School District	General Obligation Bonds 2014 Election, Series B (Bank Qualified)	\$9,125,000	09/08/2021	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Vallecitos Water District	Revenue Certificates of Participation, Series 2021A	\$25,550,000	08/12/2021	Certificates of Participation COP
Livermore-Amador Valley Water Management Agency	2021 Sewer Revenue Refunding Bonds	\$54,790,000	08/11/2021	Revenue Bonds RB
City of San Diego	Community Facilities District No.2 (Santa Luz) Special Tax Refunding Bonds Series 2021	\$22,470,000	08/05/2021	Community Facilities District CFD
Union Sanitary District Financing Authority	Revenue Bonds, Series 2021A	\$99,505,000	08/04/2021	Revenue Bonds RB
City of Dublin	Community Facilities District No. 2015-1 (Dublin Crossing) Improvement Area No. 3 Special Tax Bonds, Series 2021	\$26,000,000	08/04/2021	Community Facilities District CFD
Jurupa Community Services District	Community Facilities District No. 54 (Eastvale Area) Special Tax Bonds, 2021 Series A	\$7,485,000	07/28/2021	Community Facilities District CFD
Panoche Financing Authority	Revenue Bonds (Panoche Water District), Series 2021B (Taxable)	\$8,545,000	07/28/2021	Revenue Bonds RB
Panoche Financing Authority	Revenue Bonds (Panoche Water District), Series 2021A	\$8,610,000	07/28/2021	Revenue Bonds RB
The State Bar of California	2021 Private Placement (Exempt)	\$13,080,800	07/27/2021	Lease
The State Bar of California	2021 Private Placement (Taxable)	\$7,489,773	07/27/2021	Lease
Castaic Union School District	General Obligation Bonds, Election of 2012, Series 2021 (County of Los Angeles, California) (Bank Qualified)	\$6,000,000	07/21/2021	General Obligation GO
Merced Community College District	Election of 2002 General Obligation Bonds, Series 2021 (School Facilities Improvement District No. 1) (Merced Campus Area)	\$9,500,000	07/21/2021	General Obligation GO
Los Angeles County Metropolitan Transportation Authority	Measure R Senior Sales Tax Revenue Bonds	\$514,500,000	07/21/2021	Revenue Bonds RB
City and County of San Francisco	Taxable General Obligation Bonds (Earthquake Safety and Emergency Response, 2020) Series 2021E-2	\$13,000,000	07/20/2021	General Obligation GO
City And County of San Francisco	Tax-Exempt General Obligation Bonds (Health and Recovery, 2020) Series 2021D-1	\$194,255,000	07/20/2021	General Obligation GO
City and County of San Francisco	Taxable General Obligation Bonds (Transportation and Road Improvement Bonds, 2014) Series 2021C-2 Improvement Bonds, 2014) Series 2021C-2	\$18,000,000	07/20/2021	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
City and County of San Francisco	Tax-Exempt General Obligation Bonds (Transportation and Road Improvement Bonds, 2014) Series 2021C-1	\$104,785,000	07/20/2021	General Obligation GO
City and County of San Francisco	Taxable General Obligation Bonds (Health and Recovery, 2020) Series 2021D-2	\$64,250,000	07/20/2021	General Obligation GO
City and County of San Francisco	Tax-Exempt General Obligation Bonds (Earthquake Safety and Emergency Response, 2020) Series 2021E-1	\$74,090,000	07/20/2021	General Obligation GO
City of Encinitas	Community Facilities District No. 1 (Encinitas Ranch Public Improvements) 2021 Taxable Special Tax Refunding Bonds	\$19,105,000	07/15/2021	Community Facilities District CFD
El Dorado Union High School District	Certificates of Participation (2021 Energy Efficiency Projects)	\$7,600,000	07/14/2021	Certificates of Participation COP
Encinitas Public Financing Authority	2021 Federally Taxable Lease Revenue Refunding Bonds Series A, (Pacific View Property)	\$9,505,000	07/13/2021	Lease Revenue Bonds LRB
Eastern Municipal Water District	Community Facilities District No. 2015-71 (Promontory) 2021 Special Tax Bonds	\$3,550,000	07/08/2021	Community Facilities District CFD
Hemet Unified School District	Community Facilities District No. 2005-6, 2021 Special Tax Refunding Bonds	\$4,215,000	06/29/2021	Community Facilities District CFD
City of San Clemente	Community Facilities District No. 99-1, 2021 Special Tax Refunding Bonds	\$2,520,000	06/24/2021	Community Facilities District CFD
Riverside Unified School District	Community Facilities District No. 35 (Primrose) Series 2021 Special Tax Bonds	\$1,120,000	06/24/2021	Community Facilities District CFD
City of Moreno Valley	2018 Streetlight Refinancing (Private Placement)	\$7,402,587	06/17/2021	Lease
County of Riverside	2021 Tax and Revenue Anticipation Note	\$340,000,000	06/15/2021	Tax Revenue Anticipation Note TRA
Town of Windsor	2021 Windsor Road/Windsor River Road Intersection Project - 15-Year Term	\$3,500,000	06/15/2021	Lease
Folsom Public Financing Authority	Water Revenue Refunding Bonds, Series 2021	\$9,116,000	06/11/2021	Revenue Bonds RB
City of Irvine	Limited Obligation Improvement Bonds Reassessment District No. 21-1	\$44,165,000	06/10/2021	Other
Orange Unified School District	Taxable Retirement Health Benefits Refunding Bonds, Series 2021	\$33,520,000	06/09/2021	General Obligation GO
Brea Public Financing Authority	2021 Refunding Lease Revenue Bonds (Solar and Energy Efficiency Projects)	\$2,220,000	06/09/2021	Lease Revenue Bonds LRB
Moreno Valley Unified School District	Election of 2014 General Obligation Bonds, Series C	\$75,000,000	06/09/2021	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Elsinore Valley Municipal Water District	Refunding Water Revenue Bonds, Series 2021A	\$31,625,000	06/08/2021	Revenue Bonds RB
Riverside Unified School District	2021 Refunding Lease (Private Placement)	\$10,112,000	06/07/2021	Lease
Greenfield Union School District	General Obligation Bonds 2020 Election, Series A	\$21,000,000	05/27/2021	General Obligation GO
Temecula Valley Unified School District	General Obligation Bonds, 2012 Election, Series 2021-D	\$57,250,000	05/26/2021	General Obligation GO
Temecula Valley Unified School District	2021 General Obligation Refunding Bonds (Federally Taxable)	\$42,330,000	05/26/2021	General Obligation GO
San Dieguito Union High School District	2021 General Obligation Bonds (Election of 2012), Series E-2 (Tax-Exempt)	\$80,615,000	05/25/2021	General Obligation GO
San Dieguito Union High School District	2021 General Obligation Bonds (Election Of 2012), Series E-1 (Federally Taxable)	\$4,345,000	05/25/2021	General Obligation GO
San Dieguito Union High School District	2021 General Obligation Refunding Bonds (Federally Taxable)	\$32,600,000	05/25/2021	General Obligation GO
City of Stockton	Community Facilities District No. 2018-2 (Westlake Villages II) Special Tax Bonds, Series 2021	\$4,535,000	05/25/2021	Community Facilities District CFD
City of Diamond Bar Public Financing Authority	Lease Revenue Refunding Bonds, 2021 Series A	\$6,735,000	05/21/2021	Lease Revenue Bonds LRB
Root Creek Water District	Community Facilities District No. 2016-1, Improvement Area No. 2 Series 2021 Special Tax Bonds	\$2,565,000	05/19/2021	Community Facilities District CFD
Root Creek Water District	Community Facilities District No. 2016-1, Improvement Area No. 1, Series 2021 Special Tax Bonds	\$5,830,000	05/19/2021	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2004-35 (Mountain Gate) Improvement Area D 2021 Special Tax Bonds	\$1,180,000	05/13/2021	Community Facilities District CFD
Orange County Water District	Adjustable Rate Revenue Certificates of Participation, Series 2003A	\$129,815,000	05/07/2021	Certificates of Participation COP
Eastern Municipal Water District	Community Facilities District No. 2018-82 (Aspen Pointe) 2021 Special Tax Bonds	\$2,095,000	05/06/2021	Community Facilities District CFD
Beaumont Unified School District	Election Of 2008 General Obligation Bonds, Series G	\$10,000,000	05/04/2021	General Obligation GO
Buena Park School District	General Obligation Refunding Bonds, Series 2021B (Federally Taxable)	\$14,065,000	04/29/2021	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Buena Park School District	General Obligation Bonds, Election of 2014, Series 2021	\$10,000,000	04/29/2021	General Obligation GO
Buena Park School District	General Obligation Refunding Bonds, Series 2021A	\$1,000,000	04/29/2021	General Obligation GO
City of Concord	Certificates of Participation (2021 Capital Improvement Project)	\$109,480,000	04/28/2021	Certificates of Participation COP
Placentia-Yorba Linda Unified School District	2021 Refunding Certificates of Participation (Forward Delivery)	\$23,030,000	04/21/2021	Certificates of Participation COP
Placentia-Yorba Linda Unified School District	2021 General Obligation Refunding Bonds, Series A (Federally Tax-Exempt)	\$50,765,000	04/21/2021	General Obligation GO
Placentia-Yorba Linda Unified School District	2021 General Obligation Refunding Bonds, Series B (Federally Taxable)	\$51,535,000	04/21/2021	General Obligation GO
Fullerton Joint Union High School District	2021 General Obligation Refunding Bonds (Federally Taxable)	\$16,450,000	04/21/2021	General Obligation GO
Jurupa Unified School District	Community Facilities District No. 4 (Zone 1) Special Tax Bonds 2021 Series A and 2021 Escrow Bond	\$1,429,655	04/20/2021	Community Facilities District CFD
San Bernardino City Unified School District	Cross Fiscal Year 2020-21 Tax and Revenue Anticipation Notes	\$72,250,000	04/20/2021	Tax Revenue Anticipation Note TRA
Inglewood Unified School District	2021 General Obligation Refunding Bonds (Federally Taxable)	\$27,010,000	04/15/2021	General Obligation GO
Cucamonga Valley Water District Financing Authority	Water Revenue Refunding Bonds, Series 2021B	\$21,085,000	04/13/2021	Revenue Bonds RB
Cucamonga Valley Water District Financing Authority	Water Revenue Refunding Bonds, Series 2021A (Federally Taxable)	\$33,785,000	04/13/2021	Revenue Bonds RB
Jurupa Unified School District	2021 General Obligation Refunding Bonds (Federally Taxable)	\$39,975,000	04/12/2021	General Obligation GO
Folsom Ranch Financing Authority	Community Facilities District No. 21 (White Rock Springs Ranch) Special Tax Revenue Bonds, Series 2021	\$11,815,000	04/08/2021	Community Facilities District CFD
County of San Bernardino	Assessment District No. 2018-1 (Snowdrop Road) Limited Obligation Improvement Bonds	\$5,629,026	04/06/2021	1915 Act AD
Garden Grove Unified School District	General Obligation Bonds, Election Of 2016, Series 2021	\$70,000,000	04/01/2021	General Obligation GO
Irvine Unified School District	Bonds of School Facilities Improvement District No. 1 of The Irvine Unified School District (General Obligation Bonds, 2016 Election, Series 2021C)	\$45,000,000	03/25/2021	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Lucia Mar Unified School District	2021 Refunding Certificates of Participation	\$10,090,000	03/23/2021	Certificates of Participation COP
San Jacinto Unified School District	Community Facilities District No. 2005-2 Special Tax Bonds (Infrastructure Projects), Series C	\$1,575,000	03/17/2021	Community Facilities District CFD
Riverside County Office Of Education	Pooled Cross Fiscal Year 2020-21 Tax And Revenue Anticipation Notes Note Participations Series B	\$89,545,000	03/16/2021	Tax Revenue Anticipation Note TRA
Riverside County Office Of Education	Pooled Cross Fiscal Year 2020-21 Tax And Revenue Anticipation Notes Note Participations Series A	\$82,145,000	03/16/2021	Tax Revenue Anticipation Note TRA
Riverside Unified School District	Community Facilities District No. 33 (Citrus Heights II) Series 2021 Special Tax Bonds	\$9,690,000	03/09/2021	Community Facilities District CFD
Long Beach Community College District	General Obligation Refunding Bonds 2021 Series I (Federally Taxable)	\$84,615,000	03/04/2021	General Obligation GO
Silicon Valley Clean Water	Wastewater Refunding Revenue Bonds, Series 2021A (Taxable)	\$137,010,000	03/02/2021	Revenue Bonds RB
Silicon Valley Clean Water	Wastewater Refunding Revenue Bonds, Series 2021B (Tax-Exempt)	\$6,825,000	03/02/2021	Revenue Bonds RB
San Marcos Public Financing Authority	Special Tax Revenue Refunding Bonds Series 2021 (Federally Taxable)	\$9,720,000	02/25/2021	Community Facilities District CFD
City of San Marcos	Community Facilities District No. 2002-01 (University Commons) Improvement Area No. 1 Special Tax Refunding Bonds, Series 2021 (Federally Taxable)	\$10,575,000	02/25/2021	Community Facilities District CFD
Pasadena Area Community College District	2021 Certificates of Participation (Sarafian Building Project)	\$28,785,000	02/23/2021	Certificates of Participation COP
Larkspur-Corte Madera School District	2021 General Obligation Refunding Bonds (2011 Election and 2014 Election) Series B (Federally Taxable)	\$39,685,000	02/23/2021	General Obligation GO
Larkspur-Corte Madera School District	2021 General Obligation Refunding Bonds (2000 Election and 2011 Election) Series A (Forward Delivery)	\$7,725,000	02/23/2021	General Obligation GO
City of Sacramento	Greenbriar Community Facilities District No. 2018-03 (Improvements) Improvement Area No. 1 Special Tax Bonds, Series 2021	\$43,470,000	02/17/2021	Community Facilities District CFD
City of Downey	Taxable Pension Obligation Bonds, Series 2021	\$113,585,000	02/09/2021	Other
Western Riverside Water and Wastewater Financing Authority	Local Agency Revenue Refunding Bonds, 2021 Series A-1	\$24,605,000	01/28/2021	Revenue Bonds RB

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Western Riverside Water and Wastewater Financing Authority	Local Agency Revenue Refunding Bonds, 2021 Series A-2	\$330,000	01/28/2021	Revenue Bonds RB
San Luis Unit/ San Luis Water District Financing Authority	Revenue Bonds (San Luis Water District), Series 2021A	\$22,545,000	01/28/2021	Revenue Bonds RB
Contra Costa County Schools	Pooled Cross Fiscal Year 2020-21, Tax And Revenue Anticipation Notes, Note Participations Series A	\$69,240,000	01/28/2021	Tax Revenue Anticipation Note TRA
Jurupa Community Services District	Community Facilities District No. 52 (Eastvale Area) Special Tax Bonds, 2021 Series A	\$11,215,000	01/27/2021	Community Facilities District CFD
San Luis & Delta-Mendota Water Authority	Refunding Revenue Bonds (DHCCP Development Project), Series 2021B	\$32,725,000	01/26/2021	Revenue Bonds RB
Perris Elementary School District	General Obligation Refunding Bonds Series 2021 (Federally Taxable 2023 Crossover)	\$6,450,000	01/21/2021	General Obligation GO
Dixon Unified School District	General Obligation Refunding Bonds, Series 2021 (Federally Taxable)	\$13,070,000	01/20/2021	General Obligation GO
Willits Unified School District	General Obligation Bonds, Election of 2020, Series A (Bank Qualified)	\$4,000,000	01/14/2021	General Obligation GO
West Stanislaus Irrigation District	Refunding Revenue Bonds, Series 2021A	\$2,455,000	01/14/2021	Revenue Bonds RB
West Stanislaus Irrigation District	Refunding Revenue Bonds Series 2021B	\$24,795,000	01/14/2021	Revenue Bonds RB
Eastern Municipal Water District	Community Facilities District No. 2016-75 (Camberly Place) 2021 Special Tax Bonds	\$2,440,000	01/12/2021	Community Facilities District CFD
Santa Ana Unified School District	General Obligation Bonds, 2018 Election, 2021 Series B	\$80,000,000	01/07/2021	General Obligation GO
Successor Agency to the Redevelopment Agency of the City of Cathedral City	Tax Allocation Revenue Refunding Bonds, Series 2021A (Merged Redevelopment Project Area)	\$26,195,000	01/06/2021	Tax Allocation TA
Successor Agency to the Redevelopment Agency of the City of Cathedral City	Tax Allocation Revenue Refunding Bonds, Series 2021B (Federally Taxable) (Merged Redevelopment Project Area)	\$5,905,000	01/06/2021	Tax Allocation TA
Successor Agency to the Redevelopment Agency of the City of Cathedral City	Subordinate Tax Allocation Revenue Refunding Bonds, Series 2021C (Merged Redevelopment Project Area)	\$18,840,000	01/06/2021	Tax Allocation TA
Rancho California Water District Financing Authority	Taxable Fixed Rate Refunding Revenue Bonds, Series of 2021A	\$46,395,000	01/06/2021	Revenue Bonds RB
San Luis & Delta-Mendota Water Authority	Revenue Bonds (OM&R Project), Series 2021A	\$8,020,000	01/06/2021	Revenue Bonds RB

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Savanna Elementary School District	General Obligation Refunding Bonds, Series 2020 (Federally Taxable)	\$16,425,000	12/16/2020	General Obligation GO
Lindmore Irrigation District	2021 Capital Funding (Installment Purchase Agreement)	\$8,000,000	12/15/2020	Other
Nevada Irrigation District Joint Powers Authority	Revenue Bonds, Series 2020A	\$15,015,000	12/07/2020	Revenue Bonds RB
Eastern Municipal Water District	Community Facilities District No. 2012-61 (Autumn Winds) 2020 Special Tax Bonds	\$3,675,000	12/03/2020	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2016-72 (Hidden Hills)	\$2,400,000	12/01/2020	Community Facilities District CFD
County of Missoula	Fairgrounds District Special Assessment Revenue Bonds, Series 2020	\$12,485,000	11/12/2020	Revenue Bonds RB
Milpitas Municipal Financing Authority	2020 Lease Revenue Bonds (Capital Projects)	\$18,445,000	10/30/2020	Lease Revenue Bonds LRB
County of Madera	Community Facilities District No. 2017-1 (Tesoro Viejo) Improvement Area 1 2020 Special Tax Bonds	\$12,805,000	10/29/2020	Community Facilities District CFD
County of Riverside	Community Facilities District No. 07-2 (Clinton Keith) Special Tax Bonds, Series 2020	\$27,220,000	10/28/2020	Community Facilities District CFD
Folsom Ranch Financing Authority	City of Folsom Community Facilities District No. 23 (Folsom Ranch) Improvement Area No. 1 Special Tax Revenue Bonds Series 2020	\$12,925,000	10/22/2020	Community Facilities District CFD
Garden Grove Public Financing Authority	Water Revenue Bonds, Series 2020A	\$23,220,000	10/22/2020	Revenue Bonds RB
Yosemite Community College District	2020 General Obligation Refunding Bonds, Series B (Federally Taxable)	\$37,170,000	10/21/2020	General Obligation GO
Yosemite Community College District	2020 General Obligation Refunding Bonds, Series A (Federally Tax-Exempt)	\$2,485,000	10/21/2020	General Obligation GO
Perris Joint Powers Authority	Local Agency Revenue Bonds ((IA 1 of CFD No. 2018-1 (Green Valley-West Elm)), 2020 Series	\$2,705,000	10/20/2020	Community Facilities District CFD
South Coast Water District	Revenue Bonds, Series 2020A	\$32,845,000	10/15/2020	Revenue Bonds RB
City of Brea	2020 Water Revenue Refunding Bonds (Federally Taxable)	\$17,690,000	10/15/2020	Revenue Bonds RB
Lowell Joint School District	General Obligation Bonds, Election of 2018, Series 2020	\$34,000,000	10/13/2020	General Obligation GO
Shafter-Wasco Irrigation District	Refunding Revenue Bonds, Series 2020A	\$9,410,000	10/07/2020	Revenue Bonds RB

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Beaumont Unified School District	Community Facilities District No. 2018-1 (Improvement Area No. 1) 2020 Special Tax Bonds	\$4,905,000	10/07/2020	Community Facilities District CFD
The State Bar of California	2020 Lease Refunding	\$14,197,000	10/02/2020	Lease
San Ramon Valley Unified School District	General Obligation Refunding Bonds, Series 2020 (Federally Taxable)	\$105,165,000	10/01/2020	General Obligation GO
Poway Unified School District	Community Facilities District No. 6 (4S Ranch) Special Tax Refunding Bonds, Series 2020 (Federally Taxable)	\$29,920,000	09/30/2020	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2013-64 (Atherton and Terracina) 2020 Special Tax Bonds	\$4,515,000	09/30/2020	Community Facilities District CFD
El Dorado Union High School District	Refunding Certificates of Participation, Series 2020 (Federally Taxable)	\$7,830,000	09/29/2020	Certificates of Participation COP
El Dorado Union High School District	General Obligation Refunding Bonds, Series 2020 (Federally Taxable)	\$21,490,831	09/29/2020	General Obligation GO
Porterville Irrigation District	2020 Installment Purchase Agreement	\$4,413,430	09/28/2020	Other
Elk Grove Financing Authority	Special Tax Revenue Bonds, Series 2020	\$11,495,000	09/24/2020	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2016-76 (Conestoga) 2020 Special Tax Bonds	\$3,585,000	09/24/2020	Community Facilities District CFD
Jurupa Community Services District	Community Facilities District No. 55 (Eastvale Area) Special Tax Bonds, 2020 Series A	\$3,780,000	09/23/2020	Community Facilities District CFD
City of Beverly Hills Public Financing Authority	Lease Revenue Refunding Bonds, Series 2020B (Federally Taxable)	\$57,850,000	09/22/2020	Lease Revenue Bonds LRB
City and County of San Francisco	General Obligation Bonds (Transportation & Road Improvement Bonds, 2014) Series 2020B	\$135,765,000	09/17/2020	General Obligation GO
San Bernardino City Unified School District	Election of 2012 General Obligation Bonds, Series G (Federally Taxable)	\$20,185,000	09/10/2020	General Obligation GO
San Bernardino City Unified School District	Election of 2012 General Obligation Bonds, Series F (Tax-Exempt)	\$35,000,000	09/10/2020	General Obligation GO
San Bernardino City Unified School District	Election of 2012 General Obligation Refunding Bonds, Series A (Federally Tax-Exempt)	\$13,250,000	09/10/2020	General Obligation GO
San Bernardino City Unified School District	Election of 2012 General Obligation Refunding Bonds, Series B (Federally Taxable)	\$74,315,000	09/10/2020	General Obligation GO

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Tulare Irrigation District	2020 Private Placement Refunding	\$5,150,000	09/03/2020	Other
East Valley Water District	Refunding Revenue Bonds, Series 2020B (Federally Taxable)	\$13,615,000	09/02/2020	Revenue Bonds RB
East Valley Water District	Refunding Revenue Bonds, Series 2020A	\$16,885,000	09/02/2020	Revenue Bonds RB
Fairfax Elementary School District	2020 General Obligation Refunding Bonds (Federally Taxable)	\$4,190,000	09/02/2020	General Obligation GO
Montecito Water District	Refunding Revenue Bonds, Series 2020A	\$11,390,000	08/31/2020	Revenue Bonds RB
City of La Habra	2020 Refunding Certificates Of Participation, Series A	\$11,835,000	08/27/2020	Certificates of Participation COP
Lower Tule River Irrigation District	Refunding Revenue Bonds, Series 2020A	\$13,810,000	08/26/2020	Revenue Bonds RB
City of Stockton	Improvement Area 1 of The City Of Stockton Community Facilities District No. 2018-2 (Westlake Villages II) Special Tax Bonds, Series 2020	\$8,970,000	08/26/2020	Community Facilities District CFD
Jurupa Community Services District	Community Facilities District No. 53 (Jurupa Valley) Special Tax Bonds, 2020 Series A	\$4,165,000	08/26/2020	Community Facilities District CFD
Desert Sands Unified School District	Election of 2014 General Obligation Bonds, Series 2020	\$50,000,000	08/19/2020	General Obligation GO
Fallbrook Union High School District	General Obligation Bonds, 2016 Election, 2020 Series B	\$12,000,000	08/18/2020	General Obligation GO
County of Orange	Community Facilities District No. 2017-1 (Village of Esencia) (Improvement Area No. 2), Series A of 2020 Special Tax Bonds	\$21,565,000	08/12/2020	Community Facilities District CFD
Santa Ana College Improvement District No. 1 of Rancho Santiago Community College District	General Obligation Refunding Bonds, 2020 Series A-2	\$48,325,000	08/06/2020	General Obligation GO
Rancho Santiago Community College District	General Obligation Refunding Bonds, 2020 Series A-1	\$94,490,000	08/06/2020	General Obligation GO
Desert Community College District	General Obligation Bonds, Election of 2016, Series 2020	\$60,000,000	08/05/2020	General Obligation GO
City of Dana Point	Community Facilities District No. 2006-1, 2020 Special Tax Refunding Bonds, Taxable Series B	\$26,430,000	08/05/2020	Community Facilities District CFD
City of Dana Point	Community Facilities District No. 2006-1, 2020 Special Tax Refunding Bonds, Series A	\$13,075,000	08/05/2020	Community Facilities District CFD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Desert Community College District	General Obligation Refunding Bonds, Series 2020 (Federally Taxable)	\$32,930,000	08/05/2020	General Obligation GO
El Dorado Irrigation District	Refunding Revenue Bonds, Taxable Series 2020D	\$81,075,000	07/28/2020	Revenue Bonds RB
City of Beverly Hills Public Financing Authority	Water Revenue Refunding Bonds, Series 2020B (Federally Taxable)	\$30,465,000	07/22/2020	Revenue Bonds RB
City of Beverly Hills Public Financing Authority	Water Revenue Bonds, Series 2020A (Tax-Exempt)	\$25,615,000	07/22/2020	Revenue Bonds RB
Upper Santa Clara Valley Joint Powers Authority	Revenue Bonds, Series 2020A	\$78,440,000	07/15/2020	Revenue Bonds RB
Upper Santa Clara Valley Joint Powers Authority	Revenue Bonds, Taxable Series 2020B	\$172,635,000	07/15/2020	Revenue Bonds RB
Arvin Union School District	General Obligation Bonds Election of 2018, Series 2020B (Bank Qualified)	\$2,990,000	06/30/2020	General Obligation GO
Riverside Unified School District	CFD No. 32, Series 2020 Special Tax Bonds	\$11,600,000	06/24/2020	Community Facilities District CFD
Hemet Unified School District	2020 General Obligation Bonds Election of 2018, Series B	\$26,500,000	06/24/2020	General Obligation GO
Hemet Unified School District	General Obligation Refunding Bonds, Series 2020	\$7,790,000	06/24/2020	General Obligation GO
Laguna Beach Unified School District	2020 General Obligation Refunding Bonds	\$16,330,000	06/23/2020	General Obligation GO
County of Riverside	2020 Tax and Revenue Anticipation Note	\$340,000,000	06/18/2020	Tax Revenue Anticipation Note TRA
City of Sacramento	Wastewater Revenue Refunding Bonds, Series 2020 (Federally Taxable)	\$27,970,000	06/18/2020	Revenue Bonds RB
Standard School District	General Obligation Bonds 2016 Election, Series 2020	\$16,785,000	06/17/2020	General Obligation GO
Beaumont Unified School District	Election of 2008, General Obligation Bonds, Series F	\$11,290,000	06/17/2020	General Obligation GO
Beaumont Unified School District	2020 General Obligation Refunding Bonds, Series A	\$14,390,000	06/17/2020	General Obligation GO
El Dorado Irrigation District	Refunding Revenue Bonds, Series 2020B	\$5,600,000	06/15/2020	Revenue Bonds RB
El Dorado Irrigation District	Revenue Certificates of Participation, Series 2020A	\$61,080,000	06/15/2020	Certificates of Participation COP
El Dorado Irrigation District	Refunding Revenue Bonds, Series 2020C	\$129,020,000	06/15/2020	Revenue Bonds RB

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
City of Folsom	CFD No. 10 Special Tax Refunding Bonds, Series 2020	\$6,394,000	06/15/2020	Community Facilities District CFD
Jurupa Community Services District	Sewer Revenue Refunding Bonds, Series 2020	\$1,915,000	06/11/2020	Revenue Bonds RB
Jurupa Community Services District	Water Revenue Refunding Bonds, Series 2020	\$3,490,000	06/11/2020	Revenue Bonds RB
Val Verde Unified School District	General Obligation Bonds, 2020 Election, Series 2020A	\$48,000,000	06/11/2020	General Obligation GO
Val Verde Unified School District	General Obligation Bonds, 2012 Election, Series 2020E	\$16,000,000	06/11/2020	General Obligation GO
Val Verde Unified School District	2020 General Obligation Refunding Bonds (Federally Taxable)	\$30,060,000	06/09/2020	General Obligation GO
Perris Joint Powers Authority	Local Agency Revenue Bonds (Community Facilities District No. 2007-2 (Pacific Heritage)) 2020 Series	\$3,450,000	06/09/2020	Community Facilities District CFD
Jurupa Public Financing Authority	Special Tax Revenue Refunding Bonds, 2020 Series A	\$32,730,000	06/09/2020	Community Facilities District CFD
San Luis Unit/Westlands Water District Financing Authority	Subordinate Revenue Bonds (Westlands Water District), Series 2020B (Federally Taxable)	\$27,375,000	06/04/2020	Revenue Bonds RB
San Luis Unit /Westlands Water District Financing Authority	Revenue Bonds (Westlands Water District), Series 2020A (Federally Taxable)	\$197,990,000	06/04/2020	Revenue Bonds RB
Mesa Water District	2020 Revenue Certificates of Participation	\$55,985,000	05/27/2020	Certificates of Participation COP
Castaic Union School District	Certificates Of Participation (2020 Refunding	\$3,045,000	05/27/2020	Certificates of Participation COP
Irvine Unified School District	Community Facilities District No. 06-1 (Portola Springs) Special Tax Refunding Bonds, Series 2020	\$6,400,000	05/20/2020	Community Facilities District CFD
Jurupa Community Services District	Community Facilities District No. 45 (Jurupa Valley), Special Tax Bonds, 2020 Series A	\$4,380,000	05/14/2020	Community Facilities District CFD
Eastern Municipal Water District	CFD No. 2016-74 (Meniffee Town Center) Improvement Area C, 2020 Special Tax Bonds	\$4,145,000	05/13/2020	Community Facilities District CFD
Lindsay-Strathmore Irrigation District	2020 Installment Purchase Agreement	\$4,736,200	05/11/2020	Other
Poway Unified School District	Community Facilities District No. 16 (Del Sur East II) 2020 Special Tax Bonds	\$15,675,000	05/07/2020	Community Facilities District CFD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Poway Unified School District	Community Facilities District No. 16 (Del Sur East II) Improvement Area A, 2020 Special Tax Bonds	\$25,415,000	05/07/2020	Community Facilities District CFD
Fruitvale School District	General Obligation Bonds Election of 2016, Series B	\$14,500,000	05/06/2020	General Obligation GO
Eastern Municipal Water District	Community Facilities District No. 2013-63 (Belle Terre) Improvement Area A Special Tax Bonds, Series 2020	\$3,370,319	05/05/2020	Community Facilities District CFD
Desert Sands Unified School District	2020 General Obligation Refunding Bonds	\$79,160,000	05/05/2020	General Obligation GO
San Dieguito Union High School District	2020 General Obligation Refunding Bonds	\$145,285	04/24/2020	General Obligation GO
City of Sacramento	Water Revenue Refunding Bonds, Series 2020 (Federally Taxable)	\$188,390,000	04/23/2020	Revenue Bonds RB
Irvine Unified School District	Community Facilities District No. 09-1, Special Tax Bonds, Series 2020 A	\$94,985,000	04/23/2020	Community Facilities District CFD
La Cañada Unified School District	2020 General Obligation Refunding Bonds	\$7,755,000	04/13/2020	General Obligation GO
La Cañada Unified School District	Election of 2017 General Obligation Bonds, Ser B Series B	\$30,000,000	04/13/2020	General Obligation GO
Lodi Public Financing Authority	2020 Refunding Water Revenue Bonds, Series A	\$25,390,000	04/08/2020	Revenue Bonds RB
Carpinteria Valley Water District	Refunding Revenue Bonds, Series 2020A	\$17,915,000	04/06/2020	Revenue Bonds RB
Carpinteria Valley Water District	Refunding Revenue Bonds, Taxable Series 2020B	\$3,720,000	04/06/2020	Revenue Bonds RB
Carpinteria Valley Water District	Revenue Certificates of Participation, Series 2020C	\$1,510,000	04/06/2020	Certificates of Participation COP
Fowler Unified School District	2020 General Obligation Refunding Bonds	\$4,330,000	04/06/2020	General Obligation GO
Fowler Unified School District	General Obligation Bonds, Election of 2016, Series B	\$12,000,000	04/06/2020	General Obligation GO
Perris Elementary School District	General Obligation Bonds 2014 Election, Series 2020	\$6,000,000	04/06/2020	General Obligation GO
Perris Elementary School District	General Obligation Bonds 2006 Election, Series 2020	\$2,230,000	04/06/2020	General Obligation GO
Lindmore Irrigation District	2020 Installment Purchase Agreement	\$3,454,963	03/30/2020	Other

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
City of Monterey	Master Lease Purchase Program	\$705,000	03/26/2020	Lease
San Jacinto Unified School District	Certificates of Participation (2020 Financing)	\$9,495,000	03/25/2020	Certificates of Participation COP
Thousand Oaks Public Financing Authority	2020 Refunding Lease Revenue Bonds (Municipal Facilities Projects)	\$8,790,000	03/25/2020	Lease Revenue Bonds LRB
Alta Loma School District	General Obligation Bonds, 2016 Election, 2020 Series C	\$17,000,000	03/17/2020	General Obligation GO
Cypress School District	2020 Lease Refinancng	\$4,990,000	03/15/2020	Certificates of Participation COP
City of Oakland	General Obligation Refunding Bonds, Series 2020	\$64,260,000	02/19/2020	General Obligation GO
City of Oakland	General Obligation Bonds (Measure KK, Series 2020B-2)	\$44,880,000	02/19/2020	General Obligation GO
City of Oakland	General Obligation Bonds (Measure KK, Series 2020B-1)	\$140,010,000	02/19/2020	General Obligation GO
Terra Bella Irrigation District	2020 Installment Purchase Agreement	\$3,073,652	02/13/2020	Other
Antelope Valley Community College District	Election of 2016 General Obligation Bonds, Series B	\$95,000,000	02/13/2020	General Obligation GO
Antelope Valley Community College District	2020 General Obligation Refunding Bonds	\$125,685,000	02/13/2020	General Obligation GO
Union Sanitary District Financing Authority	Revenue Bonds, Series 2020A	\$64,160,000	02/12/2020	Revenue Bonds RB
City of Tustin	Taxable Water Refunding Revenue Bonds, Series 2020	\$14,910,000	02/11/2020	Revenue Bonds RB
City of San Fernando	2020 Installment Sale Agreement	\$1,350,000	02/05/2020	Revenue Bonds RB
Ocean View School District	Election of 2016 General Obligation Bonds, Series B	\$42,000,000	01/30/2020	General Obligation GO
City of Bakersfield	Wastewater Revenue Refunding Bonds, Series 2020A (Forward Delivery)	\$10,525,000	01/30/2020	Revenue Bonds RB
Moreno Valley Unified School District	Community Facilities District No. 2016-1, Series 2020 Special Tax Bonds	\$5,245,000	01/29/2020	Community Facilities District CFD
Monte Vista Water District	Refunding Revenue Certificates of Participation, Series 2020B (Federally Taxable)	\$8,385,000	01/22/2020	Certificates of Participation COP
East Whittier City School District	Election of 2016 General Obligation Bonds, Series C (Measure Z)	\$5,000,000	01/22/2020	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Monte Vista Water District	Revenue Certificates of Participation, Series 2020A	\$14,110,000	01/22/2020	Certificates of Participation COP
Town of Windsor	Limited Obligation Refunding Bonds Reassessment District No. 2020-1	\$2,796,000	01/22/2020	1984 Act AD
East Whittier City School District	Election of 2016 General Obligation Bonds, Series C (Measure R)	\$19,000,000	01/22/2020	General Obligation GO
Saucelito Irrigation District	Refunding Installment Agreement, Series 2020	\$5,221,027	01/13/2020	Other
Bakersfield City School District	General Obligation Bonds, Election of 2016, 2020 Series B	\$22,000,000	01/09/2020	General Obligation GO
County of Orange	Taxable Pension Obligation Bonds, 2020 Series A	\$463,895,000	01/07/2020	Other
City of Sparks, Nevada	Tourism Improvement District No. 1 (Legends at Sparks Marina) Senior Sales Tax Anticipation Revenue Refunding Bonds, Series 2019A	\$79,905,000	12/10/2019	Revenue Bonds RB
Folsom Ranch Financing Authority	Community Facilities District No. 21 (White Rock Springs Ranch) Special Tax Revenue Bonds, Series 2019	\$9,695,000	12/05/2019	Community Facilities District CFD
Delano-Earlimart Irrigation District	Refunding Revenue Bonds, Series 2019A	\$14,970,000	12/04/2019	Revenue Bonds RB
Norco Financing Authority	Enterprise Revenue Refunding Bonds, Series 2019 A	\$37,130,000	12/04/2019	Revenue Bonds RB
Orange Unified School District	Taxable Retirement Health Benefits Refunding Bonds, Series 2019A	\$33,595,000	12/04/2019	Other
Riverside Unified School District	2019 General Obligation Refunding Bonds	\$26,555,000	12/03/2019	General Obligation GO
Arvin Union School District	General Obligation Bonds Election of 2014, Series 2019C	\$4,100,000	12/03/2019	General Obligation GO
Orange County Water District	Refunding Revenue Bonds, Series 2019C	\$99,065,000	12/03/2019	Revenue Bonds RB
Marina Coast Water District	Enterprise Revenue Certificates of Participation, Series 2019	\$17,725,000	12/03/2019	Certificates of Participation COP
Riverside Unified School District	Election of 2016 General Obligation Bonds, Series B	\$172,000,000	12/03/2019	General Obligation GO
Orange County Water District	Refunding Revenue Bonds, Series 2019D	\$59,135,000	12/03/2019	Revenue Bonds RB
Riverside Unified School District	Community Facilities District No. 34 (Rivera) Series 2019 Special Tax Bonds	\$2,590,000	12/03/2019	Community Facilities District CFD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
El Dorado Union High School District	Refunding Certificates of Participation, Series 2019	\$2,660,000	11/26/2019	Certificates of Participation COP
County of Kaua'I	Community Facilities District No. 2008-1 (Kukui'ula Development Project) Special Tax Revenue Bonds, Series 2019	\$20,320,000	11/21/2019	Community Facilities District CFD
City of Merced	Community Facilities District No. 2006-1 (Moraga of Merced) 2019 Special Tax Refunding Bonds	\$4,080,000	11/20/2019	Community Facilities District CFD
Successor Agency to the Redevelopment Agency of the City of Perris	Subordinate Tax Allocation Refunding Parity Bonds, Series 2019	\$6,945,000	11/14/2019	Tax Allocation TA
Jurupa Public Financing Authority	Special Tax Revenue Refunding Bonds, 2019 Series A	\$20,570,000	11/13/2019	Community Facilities District CFD
Rosamond Community Services District	2019 Installment Sale Agreement	\$13,000,000	11/13/2019	Lease Revenue Bonds LRB
Del Mar Union School District	Community Facilities District No. 99-1 Series 2019 Special Tax Bonds (Refunding/Facilities Financing)	\$39,075,000	11/06/2019	Community Facilities District CFD
La Habra Utility Authority	Refunding Water Revenue Bonds, Series 2019A (Federally Taxable)	\$2,620,000	11/05/2019	Revenue Bonds RB
La Habra Utility Authority	Refunding Water Revenue Bonds, Series 2019B (Tax-Exempt)	\$11,175,000	11/05/2019	Revenue Bonds RB
East Garrison Public Financing Authority County of Monterey	Community Facilities District No. 2006-1 Special Tax Bonds, Series 2019	\$11,060,000	10/31/2019	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2014-66 (Meadow Creek) 2019 Special Tax Bonds	\$1,275,000	10/31/2019	Community Facilities District CFD
Eastern Municipal Water District	Community Facilities District No. 2002-07 (Pacific Mayfield) Improvement Area C 2019 Special Tax Bonds	\$3,945,000	10/30/2019	Community Facilities District CFD
Milpitas Municipal Financing Authority	2019 Water Revenue Bonds	\$17,210,000	10/24/2019	Revenue Bonds RB
Hemet Unified School District	Refunding Certificates of Participation, Series 2019	\$2,925,000	10/24/2019	Certificates of Participation COP
Milpitas Municipal Financing Authority	2019 Wastewater Revenue Bonds	\$29,840,000	10/22/2019	Revenue Bonds RB
Greenfield Union School District	General Obligation Bonds, 2002 Election, Series C	\$1,000,000	10/17/2019	General Obligation GO
Greenfield Union School District	General Obligation Bonds, 2016 Election, Series A	\$19,000,000	10/17/2019	General Obligation GO
Greenfield Union School District	2019 General Obligation Refunding Bonds	\$7,020,000	10/17/2019	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Panama-Buena Vista Union School District	2012 Election General Obligation Bonds, 2019 Series D	\$18,000,000	10/16/2019	General Obligation GO
Long Beach Community College District	General Obligation Refunding Bonds 2019 Series H	\$67,415,000	10/08/2019	General Obligation GO
Long Beach Community College District	General Obligation Bonds, 2016 Election, 2019 Series C	\$130,000,000	10/08/2019	General Obligation GO
Del Mar Union School District	General Obligation Bonds, 2018 Election, Series 2019 A	\$55,285,000	10/01/2019	General Obligation GO
Moreno Valley Unified School District	Community Facilities District No. 2017-1 Series 2019 Special Tax Bonds	\$3,610,000	09/26/2019	Community Facilities District CFD
Garden Grove Unified School District	General Obligation Refunding Bonds, Series 2019B	\$130,460,000	09/24/2019	General Obligation GO
Garden Grove Unified School District	General Obligation Refunding Bonds, Series 2019 A	\$25,870,000	09/24/2019	General Obligation GO
Folsom Public Financing Authority	Water Revenue Refunding Bonds Series 2019	\$8,780,000	09/24/2019	Revenue Bonds RB
Mojave Unified School District	General Obligation Bonds, Election of 2008, Series 2019 of School Facilities Improvement District No. 2	\$5,230,000	09/18/2019	General Obligation GO
Rancho California Water District Financing Authority	Tax-Exempt Fixed Rate Refunding Revenue Bonds, Series of 2019A	\$118,090,000	09/17/2019	Revenue Bonds RB
Rosemead School District	2019 General Obligation Refunding Bonds, Series B	\$6,715,000	09/11/2019	General Obligation GO
Rosemead School District	2019 General Obligation Refunding Bonds, Series A	\$11,660,000	09/11/2019	General Obligation GO
County of Riverside Asset Leasing Corporation	Taxable Lease Revenue Refunding Bonds, Series 2019A (Riverside County Technology Refunding Projects)	\$12,875,000	09/11/2019	Lease Revenue Bonds LRB
Pasadena Unified School District	2019 General Obligation Refunding Bonds	\$96,910,000	08/28/2019	General Obligation GO
Irvine Unified School District	Community Facilities District No. 09-1 Special Tax Bonds, Series 2019A	\$86,845,000	08/28/2019	Community Facilities District CFD
Perris Elementary School District	Refunding Certificates of Participation, Series 2019	\$5,215,000	08/15/2019	Certificates of Participation COP
City of Aliso Viejo	2019 Certificates of Participation (Aliso Viejo Ranch)	\$12,250,000	07/31/2019	Certificates of Participation COP
Silicon Valley Clean Water	Wastewater Revenue Notes, Series 2019A	\$209,300,000	07/30/2019	Revenue Bonds RB

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Greenfield Union School District	Community Facilities District No. 4 Special Tax Bonds, 2019 Series A	\$8,180,000	07/26/2019	Community Facilities District CFD
City of Brea Public Financing Authority	Local Agency Revenue Refunding Bonds, Series 2019	\$6,820,000	07/25/2019	Revenue Bonds RB
Folsom Ranch Financing Authority	City of Folsom Community Facilities District No. 19 (Mangini Ranch) Special Tax Revenue Bonds, Series 2019	\$14,040,000	07/25/2019	Community Facilities District CFD
San Jacinto Unified School District	Certificates of Participation (2020 Refunding) Forward Delivery	\$29,270,000	07/25/2019	Certificates of Participation COP
City of Beverly Hills Public Financing Authority	Lease Revenue Refunding Bonds, Series 2019B (Federally Taxable)	\$18,175,000	07/24/2019	Lease Revenue Bonds LRB
City of Beverly Hills Public Financing Authority	Lease Revenue Refunding Bonds, Series 2020A (Tax-Exempt)	\$3,725,000	07/24/2019	Lease Revenue Bonds LRB
City of Beverly Hills Public Financing Authority	Lease Revenue Refunding Bonds, Series 2019A (Tax-Exempt)	\$22,665,000	07/24/2019	Lease Revenue Bonds LRB
City of Brea	2019 Water Revenue Refunding Bonds	\$23,475,000	07/23/2019	Revenue Bonds RB
Riverside Unified School District	Community Facilities District No. 20, 2019 Special Tax Refunding Bonds	\$1,315,000	07/18/2019	Community Facilities District CFD
Riverside Unified School District	Community Facilities District No. 26, 2019 Special Tax Refunding Bonds	\$1,465,000	07/18/2019	Community Facilities District CFD
Stockton East Water District	2019 Installment Purchase Agreement (Private Placement)	\$38,527,000	07/17/2019	Revenue Bonds RB
Orange County Water District	Revenue Certificates of Participation (Interim Obligations), Series 2019A	\$135,000,000	06/27/2019	Certificates of Participation COP
City of Folsom	Community Facilities District No. 16 (The Island at Parkshore) Improvement Area No. 2 Special Tax Bonds, Series 2019	\$3,115,000	06/27/2019	Community Facilities District CFD
Orange County Water District	Revenue Certificates of Participation (Refunding Obligations) Series 2019B	\$6,505,000	06/27/2019	Certificates of Participation COP
Lowell Joint School District	General Obligation Bonds, Election of 2018, Series 2019	\$14,000,000	06/27/2019	General Obligation GO
City of Irvine	Limited Obligation Improvement Bonds Reassessment District No. 19-1	\$48,860,000	06/25/2019	1915 Act AD
City of Dublin	Community Facilities District No. 2015-1 (Dublin Crossing) Improvement Area No. 2 Special Tax Bonds, Series 2019	\$37,745,000	06/24/2019	Community Facilities District CFD
City of Irvine	Reassessment District No. 04-20 Limited Obligation Improvement Bonds Group 7, Series B	\$6,505,000	06/19/2019	1915 Act AD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
City of Irvine	Reassessment District No. 04-20 Limited Obligation Improvement Bonds Group 7, Series A	\$33,985,000	06/19/2019	1915 Act AD
El Dorado Union High School District	General Obligation Refunding Bonds, Series 2020 (Forward Delivery)	\$13,590,000	06/19/2019	General Obligation GO
Placentia-Yorba Linda Unified School District	2019 General Obligation Refunding Bonds	\$25,200,000	06/12/2019	General Obligation GO
San Bernardino City Unified School District	Certificates of Participation (2019 School Financing Project)	\$6,270,500	06/11/2019	Certificates of Participation COP
County of Riverside	2019 Tax and Revenue Anticipation Note	\$340,000,000	06/11/2019	Tax Revenue Anticipation Note TRA
County of Ventura	2019-20 Tax and Revenue Anticipation Notes	\$154,220,000	06/06/2019	Tax Revenue Anticipation Note TRA
Santa Maria-Bonita School District	Refunding Certificates of Participation, Series 2019	\$11,795,000	05/29/2019	Certificates of Participation COP
San Jacinto Unified School District Financing Authority	Special Tax Revenue Bonds, Series 2019	\$32,110,000	05/29/2019	Community Facilities District CFD
Temecula Valley Unified School District	CFD No. 2018-1 Special Tax Bonds, Series 2019	\$2,195,000	05/24/2019	Community Facilities District CFD
Taft Public Financing Authority	2019 Revenue Refunding Bonds (Police Station and Redevelopment Projects) (Bank Qualified)	\$2,310,000	05/17/2019	Revenue Bonds RB
Los Angeles Unified School District	2019 General Obligation Refunding Bonds, Series A	\$594,605,000	05/07/2019	General Obligation GO
Mojave Unified School District	2019 General Obligation Refunding Bonds of School Facilities Improvement District No. 2	\$4,050,000	04/30/2019	General Obligation GO
Alta Loma School District	General Obligation Bonds, 2016 Election, 2019 Series B	\$18,000,000	04/25/2019	General Obligation GO
City of Dos Palos	2019 Refunding of USDA Wastewater Loan, Series 1991 A	\$1,385,050	04/15/2019	Revenue Bonds RB
Santa Maria-Bonita School District	General Obligation Bonds, Election of 2014, Series 2019	\$15,000,000	04/11/2019	General Obligation GO
Eastern Municipal Water District	Community Facilities District No. 2013-64 (Atherton and Terracina) 2019 Special Tax Bonds	\$8,995,000	04/04/2019	Community Facilities District CFD
Santa Ana Unified School District	2019 General Obligation Refunding Bonds	\$25,965,000	04/04/2019	General Obligation GO
Santa Ana Unified School District	General Obligation Bonds, 2018 Election, 2019 Series A	\$60,000,000	04/04/2019	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Communities Facilities District No. 2010-1 of the Temecula Valley Unified School District	Series 2019 Special Tax Bonds	\$3,745,000	03/28/2019	Community Facilities District CFD
Moreno Valley Public Financing Authority	Lease Revenue Bonds, Series 2019 (Taxable)	\$15,830,000	03/28/2019	Lease Revenue Bonds LRB
Community Facilities District No. 2013-1 Temecula Valley Unified School District	Series 2019 Special Tax Bonds	\$7,155,000	03/28/2019	Community Facilities District CFD
Garden Grove Unified School District	General Obligation Bonds, Election of 2016, Series 2019	\$75,000,000	03/27/2019	General Obligation GO
Twentynine Palms Water District	AMR and AMI Project	\$2,000,000	03/21/2019	Revenue Bonds RB
Newport-Mesa Unified School District	General Obligation Refunding Bonds, Election of 2000, Series 2020 (Forward Delivery)	\$32,960,000	03/20/2019	General Obligation GO
Moreno Valley Unified School District	Community Facilities District No. 2015-3 Series 2019 Special Tax Bonds	\$4,080,000	03/07/2019	Community Facilities District CFD
Arvin Union School District	General Obligation Bonds Election of 2018, Series 2019A (Bank Qualified)	\$3,385,000	03/07/2019	General Obligation GO
Moreno Valley Unified School District	Community Facilities District No. 2015-2 Series 2019 Special Tax Bonds	\$6,345,000	03/07/2019	Community Facilities District CFD
Ontario-Montclair School District	Election of 2016 General Obligation Bonds, Series 2019B	\$45,000,000	03/06/2019	General Obligation GO
Eastern Municipal Water District	Community Facilities District No. 2014-67 (TR. 30422-3/TR. 36437) Improvement Area A 2019 Special Tax Bonds	\$2,140,000	03/05/2019	Community Facilities District CFD
Standard School District	General Obligation Bonds 2016 Election, Series 2019	\$10,000,000	02/27/2019	General Obligation GO
San Bruno Public Financing Authority	Lease Revenue Bonds, Series 2019	\$4,670,000	02/21/2019	Lease Revenue Bonds LRB
Panama-Buena Vista Union School District	General Obligation Bonds, Election of 2018, Series 2019	\$22,000,000	02/21/2019	General Obligation GO
Fullerton Joint Union High School District	General Obligation Bonds Election of 2014, Series D (2019)	\$21,000,000	02/14/2019	General Obligation GO
Hemet Unified School District	2019 General Obligation Bonds, Election of 2018, Series A	\$27,500,000	02/13/2019	General Obligation GO
South Coast Water District Financing Authority	Revenue Bonds, Series 2019A	\$41,680,000	02/06/2019	Revenue Bonds RB

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Desert Sands Unified School District	Election of 2014 General Obligation Bonds, Series 2019	\$100,000,000	02/06/2019	General Obligation GO
Rancho Cucamonga Public Finance Authority	2019 Lease Revenue Bonds (Fiber Optic Project) Series B Bonds (Taxable)	\$2,320,000	01/30/2019	Lease Revenue Bonds LRB
Rancho Cucamonga Public Finance Authority	2019 Lease Revenue Bonds (Fiber Optic Project) Series A Bonds (Tax-Exempt)	\$9,875,000	01/30/2019	Lease Revenue Bonds LRB
Val Verde Unified School District	General Obligation Bonds 2012 Election, Series 2019D	\$10,000,000	01/16/2019	General Obligation GO
County of Madera	Assessment District No. 2007-1 (CSA No. 19 Rolling Hills Water Improvements) Taxable 2019 Limited Obligation Improvement Refunding Bonds	\$2,710,000	01/16/2019	1915 Act AD
Riverside Unified School District	2019 Refunding Certificates of Participation Evidencing the Fractional Interests of the Owners Thereof in Lease Payments to be Made by the Riverside Unified School District	\$4,170,000	01/10/2019	Certificates of Participation COP
County of Orange	Taxable Pension Obligation Bonds, 2019 Series A	\$402,182,000	01/03/2019	Other
Eastern Municipal Water District	Community Facilities District No. 2005-43 (Kona Road/Holiday) Improvement Area B 2018 Special Tax Bonds Private Placement	\$2,415,000	12/21/2018	Community Facilities District CFD
Jurupa Community Services District	Community Facilities District No. 46 (Jurupa Valley) Special Tax Bonds, 2018 Series A	\$6,340,000	12/06/2018	Community Facilities District CFD
Successor Agency to the Indio Redevelopment Agency	Indio Merged Redevelopment Project Area 2018 Subordinate Tax Allocation Refunding Bonds Series B (Taxable)	\$1,605,000	12/04/2018	Tax Allocation TA
Successor Agency to the Indio Redevelopment Agency	Indio Merged Redevelopment Project Area 2018 Subordinate Tax Allocation Refunding Bonds Series A	\$29,060,000	12/04/2018	Tax Allocation TA
County of Riverside	Community Facilities District No. 05-8 (Scott Road) Special Tax Bonds, Series 2018	\$5,120,000	11/29/2018	Community Facilities District CFD
Central Basin Municipal Water District	Refunding Revenue Bonds, Series 2018A	\$12,870,000	11/15/2018	Revenue Bonds RB
Perris Joint Powers Authority	Local Agency Revenue Bonds (IA 3-CFD No. 2014-1 (Avelina)), 2018 Series A	\$4,980,000	11/15/2018	Community Facilities District CFD
Central Basin Municipal Water District	Refunding Revenue Bonds, Series 2018B (Taxable)	\$6,520,000	11/15/2018	Revenue Bonds RB
City of Irvine	RAD 05-21 (Group 4), Limited Obligation Improvement Bonds	\$27,995,000	11/14/2018	1915 Act AD
East Whittier City School District	Election of 2016 General Obligation Bonds, Series B (Measure Z)	\$7,000,000	11/13/2018	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
East Whittier City School District	Election of 2016 General Obligation Bonds, Series B (Measure R)	\$19,000,000	11/13/2018	General Obligation GO
North Dakota State University Foundation and Alumni Association	2019 Foundation Pledge Financing – Sudro Hall Addition	\$10,000,000	11/02/2018	Revenue Bonds RB
Val Verde Unified School District	2018 Refunding Certificates of Participation, Series 2018	\$32,145,000	10/25/2018	Certificates of Participation COP
Temecula Valley Unified School District	General Obligation Bonds, 2012 Election, Series 2018-C	\$35,335,000	10/24/2018	General Obligation GO
City of Rialto	2018 Refinancing of Wells Fargo Margin Loan	\$3,556,613	10/24/2018	Lease
Castaic Union School District	General Obligation Bonds, Election of 2012, Series 2018	\$10,000,000	10/10/2018	General Obligation GO
Successor Agency to the San Marcos Redevelopment Agency	2018 Pass-Through Tax Revenue Refunding Bonds (Project Area No. 3- San Marcos Unified School District)	\$39,815,000	10/04/2018	Tax Allocation TA
Merced County Office of Education	2018 Certificates of Participation	\$7,935,000	09/27/2018	Certificates of Participation COP
San Dieguito School Facilities Financing Authority	2018 Special Tax Revenue (Bonds Refunding and New Money)	\$74,580,000	09/27/2018	Community Facilities District CFD
Val Verde Unified School District	Community Facilities District No. 2014 (Legacy Properties) Series 2018 Tax Bonds	\$6,900,000	09/13/2018	Community Facilities District CFD
City of Irvine	Community Facilities District No. 2013-3 (Great Park) Improvement Area No. 8, Special Tax Bond, Series 2018	\$72,420,000	09/12/2018	Community Facilities District CFD
Successor Agency to the Hesperia Community Redevelopment Agency	2018 Tax Allocation Refunding Bonds, Taxable Series B	\$41,415,000	09/11/2018	Tax Allocation TA
Successor Agency to the Hesperia Community Redevelopment Agency	2018 Tax Allocation Refunding Bonds, Series A	\$70,640,000	09/11/2018	Tax Allocation TA
Moreno Valley Unified School District	Election of 2014 General Obligation Bonds, Series B	\$56,000,000	09/06/2018	General Obligation GO
Bonds of School Facilities Improvement District No. 1 of the Irvine Unified School District	General Obligation Bonds, 2016 Election, Series 2018B	\$41,000,000	08/30/2018	General Obligation GO
Missoula County, Montana	General Obligation Bonds, Series 2018	\$24,460,000	08/28/2018	General Obligation GO
Successor Agency to the San Juan Capistrano Community Redevelopment Agency	Taxable Tax Allocation Refunding Bonds, Series 2018	\$7,995,000	08/23/2018	Tax Allocation TA

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Los Banos Unified School District	General Obligation Bonds, Election of 2018, Series 2018	\$23,500,000	08/21/2018	General Obligation GO
East Orange County Water District	Community Development Financing No. 2018-1 (Vista del Lago) 2018A Special Tax Bonds	\$598,023	08/16/2018	Community Facilities District CFD
East Orange County Water District	Community Development Financing No. 2018-1 (Vista del Lago) 2018B Special Tax Bonds (Taxable)	\$22,809	08/16/2018	Community Facilities District CFD
City of Temecula	2018 Private Placement Financing of Margarita Recreation Center	\$6,500,000	08/15/2018	Lease Revenue Bonds LRB
Sucesor Agency to the Redevelopment Agency of the City of Perris	Subordinate Tax Allocation Refunding Bonds, Series 2018 (taxable)	\$13,295,000	08/15/2018	Tax Allocation TA
Beaumont Unified School District	2018 General Obligation Refunding Bonds (Election of 2008, Series C) (Federally Taxable)	\$26,030,000	08/09/2018	General Obligation GO
Beaumont Unified School District	Election of 2008 General Obligation Bonds, Series E	\$12,300,000	08/09/2018	General Obligation GO
Temecula Valley Unified School District	CFD No. 2014-1 Series 2018, Special Tax Bonds	\$7,700,000	07/31/2018	Community Facilities District CFD
Olivehurst Public Utility District	Plumas Lake Community Facilities District No. 2002-1, Special Tax Refunding Bonds	\$7,704,900	07/24/2018	Community Facilities District CFD
City of Los Angeles	2018 Solid Waste Resources Revenue Bonds, Series 2018-A	\$110,530,000	07/17/2018	Revenue Bonds RB
City of Mission Viejo	CDF Financing Authority Revenue Bonds (Mission Viejo Mall Improvement Project) 1999 Series A (Tax-Exempt) 2018 Private Placement Conversion to Fixed Rate	\$15,240,000	07/13/2018	Revenue Bonds RB
Borrego Water District	2018B Loan Agreement	\$863,535	07/10/2018	Revenue Bonds RB
Borrego Water District	2018 Installment Purchase Agreement	\$5,586,000	07/10/2018	Revenue Bonds RB
Borrego Water District	2018A Loan Agreement	\$2,294,000	07/10/2018	Revenue Bonds RB
City of Newport Beach	Assessment District No. 117, Limited Obligation Improvement Bonds, 2018 Series A	\$2,955,000	07/10/2018	1915 Act AD
Eastern Municipal Water District	Community Facilities District No. 2003-25 (Pacific Communities) Improvement Area B 2018 Special Tax Bonds Private Placement	\$2,425,000	06/28/2018	Community Facilities District CFD
Valley Center Municipal Water District	Assessment District No. 2012-1, Limited Obligation Improvement Bonds, Series 2018	\$4,035,000	06/27/2018	1915 Act AD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Valley County Water District Financing Authority	Revenue Bonds, Series 2018A	\$22,845,000	06/27/2018	Revenue Bonds RB
Olivenhain Municipal Water District Financing Authority	Revenue Bonds, Series 2018A	\$5,500,000	06/26/2018	Revenue Bonds RB
Elk Grove Finance Authority	Special Tax Revenue Bonds Series 2018	\$19,145,000	06/21/2018	Community Facilities District CFD
Orange Unified School District	Certificates of Participation (2018 Financing)	\$9,620,000	06/14/2018	Certificates of Participation COP
Desert Community College District	General Obligation Bonds, Election of 2016, Series 2018	\$50,000,000	06/07/2018	General Obligation GO
Orange Unified School District	General Obligation Bonds, Election of 2016, Series 2018	\$188,000,000	06/07/2018	General Obligation GO
Irvine Unified School District	Community Facilities District No. 09-1 Special Tax Bonds, Series 2018A	\$38,465,000	06/07/2018	Community Facilities District CFD
County of Ventura	2018-19 Tax and Revenue Anticipation Notes	\$143,515,000	06/07/2018	Tax Revenue Anticipation Note TRA
City of Chula Vista	Community Facilities District No. 16-I (Millenia) Improvement Area No. 1, 2018 Special Tax Bonds	\$12,280,000	06/06/2018	Community Facilities District CFD
County of Riverside	2018 Tax and Revenue Anticipation Note	\$340,000,000	06/06/2018	Tax Revenue Anticipation Note TRA
Moreno Valley Unified School District Financing Authority	Special Tax Revenue Bonds 2018 Series A	\$21,730,000	05/23/2018	Marks Roos
Moreno Valley Unified School District	Community Facilities District No. 2005-4 Series 2018 Special Tax Bonds	\$3,240,000	05/23/2018	Community Facilities District CFD
Folsom Ranch Financing Authority	Community Facilities District No. 20 (Russell Ranch) Special Tax Revenue Bonds, Series 2018	\$13,255,000	05/23/2018	Community Facilities District CFD
San Marcos Public Financing Authority	Special Tax Revenue Refunding Bonds, Series 2018	\$16,955,000	05/17/2018	Community Facilities District CFD
San Dieguito Union High School District	2018 General Obligation Bonds (Election of 2012), Series D-1 (Taxable)	\$3,100,000	05/16/2018	General Obligation GO
San Dieguito Union High School District	2018 General Obligation Bonds (Election of 2012), Series D-2 (Tax Exempt)	\$21,900,000	05/16/2018	General Obligation GO
La Cañada Unified School District	Election of 2017 General Obligation Bonds, Series A	\$30,000,000	05/15/2018	General Obligation GO
Buena Park School District	General Obligation Bonds, Election of 2014, Series 2018	\$10,205,000	05/09/2018	General Obligation GO

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
City of Oakland	Limited Obligation Refunding Bonds, Utility Underground Assessment District No. 2007-232, Piedmont Pines Phase 1 (Reassessment and Refunding of 2018)	\$1,380,000	05/03/2018	1984 Act AD
Cucamonga Valley Water District Financing Authority	Water Revenue Bonds, Series 2018A	\$9,710,000	05/03/2018	Revenue Bonds RB
Riverside Unified School District	Community Facilities District No. 32 Series 2018 Special Tax Bonds	\$15,945,000	05/03/2018	Community Facilities District CFD
Cucamonga Valley Water District Financing Authority	Water Revenue Refunding Bonds, Series 2018B (Federally Taxable)	\$63,745,000	05/03/2018	Revenue Bonds RB
Lodi Public Financing Authority	2018 Electric System Revenue Refunding Bonds	\$41,610,000	05/02/2018	Revenue Bonds RB
Sacramento Suburban Water District	Refunding Revenue Bonds, Series 2018A (Taxable)	\$19,615,000	05/02/2018	Revenue Bonds RB
Santa Ana Unified School District	2018 Refunding Certificates of Participation	\$19,165,000	04/25/2018	Certificates of Participation COP
Santa Ana Unified School District	2018 General Obligation Refunding Bonds	\$66,985,000	04/18/2018	General Obligation GO
Fullerton Joint Union High School District	General Obligation Bonds, Election of 2014, Series C (2018)	\$48,000,000	04/11/2018	General Obligation GO
Jurupa Community Services District	Community Facilities District No. 48 (Eastvale Area) Special Tax Bonds, 2018 Series A	\$4,635,000	04/10/2018	Community Facilities District CFD
Successor Agency to the Community Development Commission of the City of Rohnert Park	Tax Allocation Refunding Bonds, Series 2018B (Federally Taxable)	\$190,000	04/05/2018	Tax Allocation TA
Successor Agency to the Community Development Commission of the City of Rohnert Park	Tax Allocation Refunding Bonds, Series 2018A	\$21,350,000	04/05/2018	Tax Allocation TA
Sweetwater Union High School District	General Obligation Bonds, Election of 2006, Series 2018C	\$28,000,000	04/04/2018	General Obligation GO
Riverside County Transportation Commission	Sales Tax Revenue Refunding Bonds (Limited Tax Bonds) 2018 Series A	\$64,285,000	03/27/2018	Revenue Bonds RB
Perris Joint Powers Authority	Local Agency Revenue Bonds (IA 2-CFD No. 2014-1 (Avelina)), 2018 Series A	\$4,410,000	03/27/2018	Community Facilities District CFD
City of Elk Grove	2018 Lease Revenue Bonds (Capital Facilities)	\$18,530,000	03/20/2018	Lease Revenue Bonds LRB
City of Norco	Community Facilities District No. 97-1 (Norco Hills) Special Tax Refunding Bonds, Series 2018	\$4,550,000	03/13/2018	Community Facilities District CFD

AGENCY	DESCRIPTION	PAR AMOUNT	DATE OF SALE	TYPE OF FINANCING
Eastern Municipal Water District	Community Facilities District No. 2003-20 (Corman Leigh Communities) Improvement Area D, 2018 Special Tax Bonds	\$2,435,000	03/08/2018	Community Facilities District CFD
City of Folsom	Community Facilities District No. 16 (The Islands at Parkshore) Improvement Area No. 1, Special Tax Bonds, Series 2018	\$5,770,000	03/01/2018	Community Facilities District CFD
Rio Linda / Elverta Community Water District	2018 Installment Sale Agreement (Private Placement)	\$3,870,000	03/01/2018	Revenue Bonds RB
City of Concord	2018 Wastewater Refunding Revenue Bonds	\$7,920,000	02/27/2018	Revenue Bonds RB
City of Concord	2018 Private Placement Refunding of 2011 Lease Agreement	\$6,820,000	02/21/2018	Lease Revenue Bonds LRB
Silicon Valley Clean Water	2018 Wastewater Revenue Bonds	\$140,955,000	02/08/2018	Revenue Bonds RB
County of Orange	CFD 2017-1 of the County of Orange (Village of Esencia) Improvement Area No. 1 Special Tax Bonds	\$76,950,000	02/06/2018	Community Facilities District CFD
County of Riverside	Community Facilities District No. 89-4 Special Tax Refunding Bonds, Series 2018 (Private Placement)	\$2,305,000	02/05/2018	Community Facilities District CFD
County of Riverside	Community Facilities District No. 89-1 Special Tax Refunding Bonds, Series 2018 (Private Placement)	\$4,185,000	02/05/2018	Community Facilities District CFD
Moreno Valley Unified School District	Community Facilities District No. 2005-5, Series 2018 Special Tax Refunding Bonds	\$8,760,000	01/30/2018	Community Facilities District CFD
Successor Agency to the Redevelopment Agency of the City of Rialto	Tax Allocation Revenue Refunding Bonds (Merged Project Area) 2018 Series (Tax-Exempt)	\$28,480,000	01/24/2018	Tax Allocation TA
South Orange County Public Financing Authority	Special Tax Revenue Refunding Bonds (Ladera Ranch) 2018 Series A	\$51,940,000	01/24/2018	Community Facilities District CFD
Upper Santa Clara Valley Joint Powers Authority (Santa Clarita Valley Water Agency)	Revenue Bonds, Taxable Series 2018A	\$26,735,000	01/23/2018	Revenue Bonds RB
Fruitvale School District	General Obligation Bonds, Election of 2016, Series A (Bank Qualified)	\$8,500,000	01/18/2018	General Obligation GO
County of Orange Reassessment District No. 17-1R (Newport Coast Phase IV)	Limited Obligation Improvement Refunding Bonds	\$28,425,000	01/17/2018	1915 Act AD
TOTAL TRANSACTIONS:		570		
TOTAL PAR:		\$20,812,206,188		

APPENDIX B

Team Resumes

**Engagement
Manager/Co-Project
Manager (Project Leader)**



**JAMES V. FABIAN
CIPMA**

**415.489.2860 direct
949.246.2344 cell
jfabian@fieldman.com**

James V. Fabian, Principal, has been with the firm since September 1999. Since joining the firm, Mr. Fabian has focused on serving the firm's City and Special Authority clients. Mr. Fabian is based out of the Firm's San Francisco Office.

He has served as engagement manager for the cities of Brea, Concord, Dublin, Emeryville, Indio, Milpitas, Moreno Valley, Oakland, Perris, Rohnert Park, San Bruno, San Marcos, Temecula, and Union City. Additionally, he has served as Engagement Manager for the special Authorities of Discovery Bay, McKinleyville, Rosamond and San Elijo JPA. During the last two years, Mr. Fabian has completed 40 financings totaling \$986 million, with 33 (\$704 million) of those for cities. He has also developed Financial Management Policies, Local Goals and Policies for Land Secured Financings and credit rating presentations for several major cities.

Prior to joining the firm, Mr. Fabian served as a Financial Services manager for the City of Oxnard for more than ten years, where he administered the city's annual debt service budget, the outstanding debt portfolio of approximately \$250,000,000, and the city's assessment Authorities and community facilities Authorities. He was also responsible for the administration of the city worker's compensation plan, insurance pool and property management program. Prior to his tenure with Oxnard, he was a budget and management analyst with the Office of Budget and Management Policy of Broward County, Florida. Mr. Fabian has extensive experience with the operational considerations of local government finance.

Mr. Fabian presently holds the CIPMA designation as a Certified Independent Professional Municipal Advisor from the National Association of Municipal Advisors (NAMA). He is a member of California Society of Municipal Finance Officers (CSMFO) and League of California Cities (LOCC). Mr. Fabian is a registered municipal advisor representative and holds the Series 50 and 54 licenses.

Mr. Fabian has served as the co-moderator for the CDIAC seminar entitled "The Fundamentals of Land-Secured Financing". He also had participated in speaker panels at the CSMFO annual conferences and chapter lunches.

**Co-Project Manager and
Lead Technical
Consultant**



Un Chu Reardon

**949.660.7315 direct
415.933.0968 cell
ureardon@fieldman.com**

Ms. Un Chu Reardon, Senior Vice President, joined the firm in November 2019 and is based out of our Seattle area office. Prior to joining Fieldman, Rolapp & Associates, Inc., Ms. Reardon served as public finance investment banker at Raymond James and Stifel Nicolaus/Stone & Youngberg. She also served as a financial advisor at Keygent LLC. She has over 20 years of municipal finance experience and has significant experience structuring general obligation bonds, pension obligation bonds, certificates of participation, utility revenue bonds, lease revenue bonds, bond anticipation notes, tax and revenue anticipation notes, land-secured bonds, variable rate bonds and CFD formations.

Ms. Reardon also provides non-transactional based municipal advisory services to support Firm recommendations, including financial modeling, long-term financial planning and policy review. Her extensive experience and background provides the essential skills set when preparing quantitative analyses to support transaction structures and researching relevant market conditions and events. Recent engagements include municipal advisory services to the cities of Belvedere, Emeryville, Milpitas, and Sacramento, and for San Francisco. Ms. Reardon serves as the Firm's Lead Technical Consultant representing the U.S. Department of Transportation, Federal Highway Administration (FHWA), reviewing and analyzing very complex cash flows in connection with the Transportation Infrastructure Finance and Innovation Act (TIFIA) loans. In 2021, she was involved in three TIFIA loans totaling \$1.6 billion in par amount and is currently engaged in two TIFIA loans representing FHWA that will close in 2022.

Ms. Reardon has B.A.s in international studies with an emphasis in economics and in anthropology, both from the University of Washington, and she is a registered municipal advisor representative (Series 50 and 54 licenses).

Consultant Support



MELINDA KAYS

**HAWAI'I OFFICE
808.342.6165 direct
mkays@fieldman.com**

Ms. Melinda Kays, Associate, joined the firm in May 2021. Since joining the firm, Ms. Kays has been assisting with the firm's City and County clients providing technical and quantitative analysis. Before joining the firm, Ms. Kays worked as a Payroll Specialist and an Accounting Assistant in Honolulu, HI.

Ms. Kays received her Bachelor of Arts degrees in Economics and in Anthropology, both from the University of Washington.

Ms. Kays is a registered municipal advisor representative and holds the Series 50 license.



JONES HALL

**Proposal
to Provide Bond Counsel
and Disclosure Counsel Services**

presented to the

Lincoln-SMD 1 Wastewater Authority

by

Jones Hall, A Professional Law Corporation



Jones Hall, A Professional Law Corporation is pleased to provide the Lincoln SMD-1 Wastewater Authority (the “Authority”) with the following proposal to serve as bond counsel and disclosure counsel in connection with the issuance of bonds for the improvement of regional wastewater treatment facilities, including the expansion of the Wastewater Treatment and Reclamation Facility (“WWTRF”) in the City of Lincoln.

1. Description of Jones Hall

Jones Hall is a firm comprised of 17 attorneys, all of whom practice exclusively in the area of municipal finance as bond counsel, disclosure counsel, underwriter’s counsel and special tax counsel. The firm operates as a professional law corporation, and has been practicing continuously for more than 40 years. Of our 17 attorneys, 14 are partners. Jones Hall is the largest law firm in California which devotes 100% of its efforts to public finance.

In 2022, according to the California Debt and Investment Advisory Commission, Jones Hall acted as bond counsel on more than 280 financings in California.

2. Assigned individuals

The assigned attorneys and their relevant experience are identified below.

Chris Lynch - Bond Counsel. Chris Lynch would be the lead attorney as bond counsel. Chris is a shareholder, and acts as bond counsel, disclosure counsel and underwriter’s counsel in municipal financings throughout California.

Chris started working in public finance in 1992, and joined Jones Hall in 1994. Chris has been the lead attorney as bond counsel on water or wastewater financings for the cities of Belmont, Corning, Fairfield, Hayward, Hesperia, Lodi, Mountain View, Napa, Palo Alto (including its regional wastewater treatment plant), Redwood City, San Mateo/Foster City (local and regional wastewater treatment plant), Santa Rosa (regional wastewater treatment plant), Torrance and Tracy. Chris has also worked with a number of special districts and joint powers authorities on their wastewater or water financings, including the Livermore-Amador Valley Water Management Agency and the Dublin San Ramon Services District.

Chris received his undergraduate (1986) and law (1989) degrees from Stanford University.

Juan Galvan - Disclosure Counsel. Juan Galvan would be the lead attorney as disclosure counsel.

Juan is a shareholder of Jones Hall and has practiced law for more than 15 years. Juan focuses exclusively on public finance and has extensive experience as bond and disclosure counsel in a variety of public finance transactions.

Juan’s most recent experience with water and wastewater financings includes serving as bond counsel to The Metropolitan Water District of Southern California, the Public Utilities Commission of the City and County of San Francisco, the Town of Discovery Bay, the Scotts Valley Water District, the Moulton Niguel Water District, the Tamalpais Community Services District, and the Diablo Water Agency. He also recently served as disclosure counsel on water and wastewater financings for the City of San José, the Sonoma County Water Agency, the Town of Discovery Bay, and the Marina Coast Water District. In addition, Juan currently serves as disclosure counsel to the Yuba Water Agency.



Juan attended California State University, Northridge where he received his B.S. in Accounting in 2002 (graduating magna cum laude) and Berkeley Law where he received his J.D. in 2007.

Prior to attending law school, Juan worked in the audit department of an international accounting firm in Los Angeles where he advised public and private companies on matters involving compliance with generally accepted accounting principles and S.E.C. rules and regulations. Juan is licensed as an inactive Certified Public Accountant in California.

Eorl Carlson - Tax Counsel. Eorl Carlson would provide tax advice in connection with this transaction. Mr. Carlson has served as tax counsel on hundreds of financings while at Jones Hall. He regularly advises issuers on a wide variety of tax-exempt questions arising before, during, and after issuance, including those involving use of proceeds, private activity limitations, and rebate restrictions. Mr. Carlson serves as the Vice-Chair of the American Bar Association's Tax-Exempt Financing Section and leads panels on IRS enforcement for the National Association of Bond Lawyers (NABL). He also works as a lead drafter for NABL on tax-exempt due diligence guidelines for State and local government issuers as well as commentary on guidance from the U.S. Treasury.

Prior to joining Jones Hall, Eorl served as Attorney-Advisor for the Federal government regulating entities under the Employee Retirement Income Security Act (ERISA) and the Internal Revenue Code. His work included drafting regulations, advising appeal boards, and conducting compliance investigations. Mr. Carlson holds a LL.M. in Tax, with distinction, from Georgetown University Law Center, a J.D., cum laude, from American University, and a B.A. from Cornell University. He also holds a LL.M. in International Law, with commendation, from the University of Aberdeen (U.K.) School of Law.

3. References.

Tristan Butcher, the Placer County Treasurer-Tax Collector, has agreed to act as a reference. Chris has acted as bond counsel to the County of Placer and many of its related entities since 2010. Chris also recently acted as bond counsel for the Western Placer Waste Management Authority, a joint exercise of powers authority among the County and the cities of Roseville, Rocklin and Lincoln.

4. Proposed Compensation.

Jones Hall's compensation would be contingent upon issuance of the bonds. Jones Hall does not charge for helping the Authority with a reimbursement resolution or the negotiation of a third-party management contract for operation of the WWTRF, the review of the Authority's debt management and disclosure policies, or federal securities law training of staff and elected officials.

Jones Hall's standard fee formula to act as bond counsel for enterprise financings is set forth below:

- 1% of the first \$1,000,000 of bond principal (minimum of \$25,000)
- .5% of the next \$5,000,000 of bond principal
- 0.25% of the next \$15,000,000 of bond principal
- 0.125% of any remaining principal

For its work as disclosure counsel, Jones Hall proposes a fee of \$45,000.



JONES HALL

Thank you for the opportunity to propose our services as bond counsel and disclosure counsel. Please contact Chris Lynch at 415-391-5780, or clynch@joneshall.com, for further information regarding this proposal.

Christopher K. Lynch
Shareholder

Oppenheimer & Co. Inc.

Statement of Qualifications for Bond Underwriting Services

Lincoln-SMD1 Wastewater Authority

June 30, 2023

Presented To:



Lincoln-SMD1 Wastewater Authority

Presented By:



Oppenheimer & Co. Inc.
135 Main Street, Suite 1700
San Francisco, CA 94105

George Barber, General Manager
Lincoln-SMD1 Wastewater Authority

June 30, 2023

Thank you for this opportunity to present our qualifications for underwriting services to the Lincoln-SMD1 Wastewater Authority (the "Authority"). Oppenheimer & Co. Inc. ("Oppenheimer") is a leading global full-service brokerage and investment bank with roots that trace back to 1881.

Our California presence dates back over 40 years and currently consists of 167 employees including 60 retail financial advisors who oversee \$3.9 billion of assets under management and \$6.3 billion of assets under administration. With five offices in California, Oppenheimer is ideally suited to serve the Authority as underwriter for the following reasons:

Local Trust: Oppenheimer has a deep understanding of this area of the State, having worked with the utility enterprises for the City of Folsom, Truckee Donner Public Utility District, and the South Tahoe Public Utility District, in addition to our work with the Placer Union School District, El Dorado Hills Community Services District, Mother Lode Union School District, and Cameron Park Community Services District, among others. We are also currently a member of the County of Placer's selected pool of underwriters.

Experience with Utility Enterprises: Since 2018, we have closed 74 financings in California, totaling over \$766 million in par amount. Our work with utility enterprises has given us a deep understanding of how they function, and how important they are to the community.

Broad Distribution Capabilities: Oppenheimer's distribution platform reaches all key buyer segments. Our distribution provides complete coverage of top tier institutional buyers and significant proprietary retail distribution, exceeding that of bulge bracket firms in regards to mid-size institutions that by design are not the focus of their institutional desk's sales efforts.

Solid Capital Position: Oppenheimer is strong financially and its capital has grown substantially in recent years. As of March 31, 2023, Oppenheimer had approximately \$800.4 million of equity capital. Based on this capital position, we could sole underwrite a fixed rate municipal bond issue of over \$1.5 billion.

Thank you for your consideration.

Handwritten signature of Rick Brandis in cursive.

Rick Brandis
Managing Director

Handwritten signature of Nicki Tallman in cursive.

Nicki Tallman
Managing Director

Handwritten signature of Dan Shaw in cursive.

Dan Shaw
Director

I. Oppenheimer Public Finance

Company Overview

Headquartered in New York City, Oppenheimer is a wholly-owned subsidiary of Oppenheimer Holdings Inc., a financial services holdings company that trades on the New York Stock Exchange under the symbol “OPY”. Oppenheimer’s roots trace back to 1881 and it remains one of the few independent non-bank broker dealers with full service capabilities. Oppenheimer has a national presence with 99 offices in 24 states, along with three international offices. Oppenheimer’s Municipal Capital Markets Group currently has 55 municipal banking, underwriting, trading and sales professionals across 14 offices with three underwriting desks.

Oppenheimer is well capitalized, as of March 31, 2023, the company had approximately \$800.4 million of equity capital and approximately \$408.3 million of excess net capital. Based on this excess capital position, we can sole underwrite a fixed rate municipal bond issue of over \$1.5 billion.



Background on the California Banking Team

Located in San Francisco, Brandis Tallman, a Division of Oppenheimer & Co. Inc. is the California public finance division of Oppenheimer. Our division is dedicated solely to serving California communities. We specialize in underwriting and placement agent services for all types of local government agencies. The California banking team has been serving California public agencies over the last 30 years. Oppenheimer has offices in San Francisco, Los Angeles, Newport Beach, Carlsbad, and East Palo Alto. We are members of the California Society of Municipal Finance Officers, California Special Districts Association, and contributors to the California Debt and Investment Advisory Commission (CDIAC).

Beyond the experience with California utility revenue financings displayed in the following section, Oppenheimer brings a level of service to each financing that is unmatched among its competitors. We have a proven record of being the most hands-on banking team in California, and this approach will be very important for the Authority’s first debt issuance. The lead bankers, Rick Brandis and Nicki Tallman, are heavily involved from the first day until closing, and continue to provide support to their clients in the years that follow. In addition to attending all Board meetings, our bankers also lead educational seminars for Board members and the public. We even bring potential investors out to an agency to tour the area, if we believe it will result in a stronger bond sale. After a closing, we assist our agencies with the necessary reporting to CDIAC and EMMA, and offer a follow-up visit to the Board to give a recap of the financing results. We believe this level of support goes beyond what is offered from competing firms, and makes us the ideal candidate to serve the Authority.

Assigned Financing Team Members



Rick Brandis, Managing Director

Role: Lead Banker

San Francisco Office, (415) 438-2931, rick.brandis@opco.com

Rick Brandis is a Managing Director and one of the founding members of the Brandis Tallman Division of Oppenheimer & Co. Inc. His expertise lies in structuring and pricing municipal debt. Rick began his career in the municipal securities industry in 1985. Prior to forming Brandis Tallman, Rick served public agencies as an investment banker with Mark Pressman Associates, then went on to Redwood Securities Group as Vice President of Public Finance and head underwriter. With over 35 years of well-rounded experience in municipal finance, Rick brings his market knowledge to each transaction.

In the last year, Rick closed utility revenue financings with San Elijo Joint Powers Authority, the Cities of Eureka and Sanger, and Truckee Donner Public Utility District. Rick holds a Bachelor of Arts in Political Science from the University of California at Davis and maintains Series 7, 24, 53, and 63 licenses.



Nicki Tallman, Managing Director

Role: Co-Lead Banker

San Francisco Office, (415) 438-2977, nicki.tallman@opco.com

Nicki Tallman began her career in municipal finance in 1993. Prior to forming Brandis Tallman in 2002, Nicki was Vice President of Public Finance for Redwood Securities Group, Inc. and an investment banker with Mark Pressman Associates. Nicki has participated in CDIAC policy development forums; assisted public agencies with continuing disclosure and GASB, SEC and CDIAC annual reporting requirements, and has presented educational sessions for CSDA, CSMFO and CMTA.

Nicki is highly experienced in utility revenue financings, having recently assisted the City of Folsom, Tehachapi-Cummings County Water District, Diablo Water District, and Discovery Bay Community Services District with their utility revenue financings, among several others. Nicki has a bachelor's degree in Accounting from the University of San Diego, where she graduated Magna Cum Laude in 1990. She holds FINRA Series 7, 24, 53 and 63 licenses, and is licensed as a Certified Public Accountant in the State of California.



Beth Wolchock, Managing Director

Role: Lead Underwriter

Connecticut Office, (203) 353-4898, beth.wolchock@opco.com

Beth is managing director and municipal principal at Oppenheimer & Co. Inc., where she leads the firm’s municipal securities underwriting activities. In a career spanning more than 40 years, Ms. Wolchock has enjoyed a progression of roles and responsibilities in the public and investment banking arenas.

Prior to joining Oppenheimer in 2013, Ms. Wolchock held positions at CastleOak Securities, LLP where she created the firm’s municipal department and established its underwriting business; at Jackson Securities, LLC, where she was a branch manager and oversaw sales and trading; and at Artemis Capital Group (later Dain Rauscher Inc.), where she was a senior vice president and managed the firm’s syndicate department. Ms. Wolchock was one of the 21 Municipal Securities Rulemaking Board (MSRB) members, serving a four-year term from 2017 through 2021. She has a bachelor’s degree from the State University of New York at Buffalo. Beth has FINRA Series 7, 24, 50, 53, and 63 licenses.



Dan Shaw, Director

Role: Supporting Banker

San Francisco Office, (415) 438-2947, daniel.shaw@opco.com

Dan Shaw began his career in municipal finance in 2015. As the supporting banker for the transaction, Dan will assist the lead bankers in structuring the financing to meet the Authority’s goals. He will be responsible for the overall management and timing of the project and will streamline the efforts of the

entire financing team by maintaining a complete view of the financing. Dan most recently served as support banker for the Tehachapi-Cummings County Water District on their Water Revenue Certificates of Participation. Dan has also recently worked with the City of Sanger, Stockton East Water District, Diablo Water District, and Discovery Bay Community Services District, on their respective utility revenue financings. Dan has his FINRA Series 7, 52 and 63 licenses.



Michael Garcia, Associate

Role: Quantitative Analyst

San Francisco Office, (415) 438-2948, michael.garcia@opco.com

As quantitative analyst for the transaction, Michael will assist in structuring the financings to meet the Authority’s goals. He will assist in the due diligence process, reviewing legal documents and the POS. Michael will assist in the rating and pricing process, as well as the closing of the financing. Michael has his FINRA Series 7, 52 and 63 licenses.

II. Qualifications

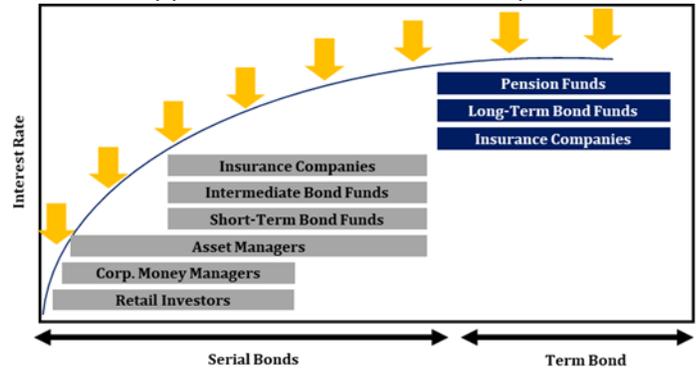
Utility Revenue Financing Experience

Since 2018, Oppenheimer has completed 74 utility revenue financings for California public agencies, totaling over \$766 million in par amount, with another 2 utility revenue financings in process. Last month, we closed a recycled water financing for San Elijo Joint Powers Authority, a JPA consisting of the Cities of Encinitas and Solana Beach. Similar to the Lincoln-SMD1 Wastewater Authority, San Elijo JPA operates a Wastewater Treatment Plant on behalf of its member agencies. Some recent utility revenue financings include:

DATE	AGENCY	DESCRIPTION	PAR
6/7/2023	Tehachapi-Cummings County Water District	2023 Water Revenue Bonds	\$12,108,000
5/25/2023	San Elijo Joint Powers Authority	2023 Water Reclamation Revenue Financing	\$10,120,000
2/3/2023	Big Bear Area Regional Wastewater Agency	2023 Loan Agreement	\$3,400,000
12/20/2022	City of Eureka	Wastewater Revenue Refunding Bonds, Series 2022	\$13,346,000
11/29/2022	City of Eureka	Water Revenue Refunding Bonds, Series 2022	\$12,380,000
10/20/2022	Cambria Community Services District	Wastewater Revenue Certificates of Participation, Series 2022A	\$12,175,000
9/15/2022	Town of Discovery Bay Community Services District	Enterprise Revenue Refunding Bonds, Series 2022B	\$11,650,000
8/12/2022	Goleta West Sanitary Agency	2022 Installment Purchase Contract	\$14,000,000
8/1/2022	Forestville Water District	2022 Refinancing Agreement	\$2,126,700
7/15/2022	Rancho Santa Fe Community Services District	2022 Energy Efficiency Lease Financing	\$1,144,000
6/30/2022	Truckee Donner Public Utility District	2022 Water Revenue Certificates of Participation	\$14,825,000
6/30/2022	Truckee Donner Public Utility District	2022 Electric Revenue Certificates of Participation	\$6,470,000
6/23/2022	Goleta Sanitary District	2022 Installment Sale Agreement	\$14,135,000
6/22/2022	City of Turlock	2022 Loan Agreement (Refunding of 2012 Sewer Bonds)	\$32,924,000
6/16/2022	Calaveras County Water District	2022 Installment Purchase Contract (Wastewater)	\$11,100,000
6/16/2022	Diablo Water District	2022 Loan and Installment Sale Agreement	\$10,806,000
6/1/2022	City of Morgan Hill	2022 Water Revenue Refinancing	\$15,415,000
6/1/2022	Calaveras County Water District	2022 Installment Purchase Contract (Water)	\$19,843,000
5/31/2022	North Marin Water District	2022 Loan Agreement	\$20,000,000
5/17/2022	Discovery Bay Financing Authority	Enterprise Sewer Revenue Bonds, Series 2022 (Water and Wastewater Projects)	\$16,860,000
3/15/2022	Bodega Bay Public Utility District	2022 Loan Agreement	\$6,231,000

III. Distribution Capabilities

Oppenheimer provides its clients with access to a large, well-rounded distribution platform that reaches all key buyer segments of the municipal market for a California bond issuance: high net-worth retail, institutional investors, and middle markets. Oppenheimer’s fixed income platform is large with 95 fixed income specialists covering municipal securities. Our sales professionals, who have an average of 20 years of experience, offer coverage to over 1,500 domestic and international fixed-income investors and are backed by the resources of our full-service global financial institution. Our large institutional municipal bond salesforce consists of professionals averaging 27 years of fixed income markets experience.



With fixed income trading desks located in Newport Beach and Los Angeles as well as our primary New York trading desk, the firm delivers California fixed income execution daily.

Retail Distribution
<ul style="list-style-type: none"> 968 financial advisors across the U.S. covering over 350,000 accounts \$36.8 billion in client assets under management & \$105.0 billion in client assets under administration Oppenheimer’s retail orders help increase underwriters’ leverage during the institutional order period

Middle Market Distribution
<ul style="list-style-type: none"> Less price-sensitive buyers often under-covered by larger banks Regional funds alone represent \$500+ billion of incremental assets under management OPCO middle market accounts are mostly small insurance companies, corporations and bank trust departments

Large Institutional Distribution
<ul style="list-style-type: none"> Existing large holders that anchor order book Sales force is in daily contact due to our activity in the secondary market OPCO covers large insurance companies, bond funds, commercial banks, corporations, money managers and unit investment trusts

IV. Proposed Fee Range

Below are our estimated underwriter’s discounts for varying credit ratings and par amounts. The final underwriter’s discount will be negotiated at the time of issuance, based on credit rating and issue size.

Financing Type	\$20 Million	\$30 Million
AA Category Rating	\$3.75	\$3.50
A Category Rating	\$4.00	\$3.75

The table below shows the components of our underwriter’s discount based on a credit rating in the AA category and an issue size of \$30 Million.

	Dollars	Dollars per \$1,000 Bond
Underwriter's Takedown (per \$1,000 Bond par):	\$82,500	\$2.750
Management Fee:	\$0	\$0.000
Underwriting Expenses:		
Underwriter's Counsel	\$12,500	\$0.417
CUSIP	750	\$0.025
MSRB	825	\$0.028
CDIAC	5,000	\$0.167
Clearing (DTC)	850	\$0.028
IPREO	2,000	\$0.067
Misc.	575	\$0.019
Total Underwriting Expenses:	\$22,500	\$0.750
Total Underwriting Discount (A+B+C):	\$105,000	\$3.500

V. Looking Forward

Given that the Authority has been newly formed, we believe our experience and hands-on approach will be essential to a successful financing. The estimated \$30 million project to update the Authority’s wastewater treatment plant is an essential utilities infrastructure project. The revenue from the EDU rate being served by LiSWA’s member agencies, the City of Lincoln and the County of Placer, will be the source of repayment, making the bonds a secured financing. We anticipate the bonds to be well received by the rating agencies and the market.



Lincoln-SMD1 Wastewater Authority

Memorandum

To: Board of Directors
From: George Barber, General Manager
Date: 0714/23 Regular Board Meeting

Agenda Item #8

SUBJECT: Consider approval of Resolution to declare intention to issue tax-exempt securities and reimburse expenditures from proceeds of issued debt and securities.

RESOLUTION NO. 2023-05 - RESOLUTION OF THE BOARD OF DIRECTORS OF THE LINCOLN SMD-1 WASTEWATER AUTHORITY DECLARING INTENTION TO ISSUE TAX-EXEMPT SECURITIES TO BE USED TO REIMBURSE THE LINCOLN SMD-1 WASTEWATER AUTHORITY FOR EXPENDITURES TO BE MADE PRIOR TO THE ISSUANCE OF SUCH SECURITIES.

The purpose of this agenda item is to provide for the opportunity to include expenses into the bonds LiSWA plans to issue that occur up to the construction of the improvements. These items could include the peer review, the time and effort Wes Miliband and I work on the improvement project, construction management services and design work.

LiSWA is allowed to reach back 60 days from the approval of this resolution for those type expenses.

This action does not obligate the Board to include those expenses, it only allows for the opportunity.

Staff Recommendation:

“Adopt Resolution No. 2023-05 declaring intention to issue tax-exempt securities to be used to reimburse the Lincoln SME-1 Wastewater Authority for expenditures to be made prior to the issuance of such securities.”

RESOLUTION NO. 2023-05

RESOLUTION OF THE BOARD OF DIRECTORS OF THE LINCOLN SMD-1 WASTEWATER AUTHORITY DECLARING INTENTION TO ISSUE TAX-EXEMPT SECURITIES TO BE USED TO REIMBURSE THE LINCOLN SMD-1 WASTEWATER AUTHORITY FOR EXPENDITURES TO BE MADE PRIOR TO THE ISSUANCE OF SUCH SECURITIES

WHEREAS, the Board of Directors (“Board”) of the Lincoln SMD-1 Wastewater Authority (“LiSWA” or “Authority”) desires to finance the costs of certain wastewater facility and infrastructure Project and facilities, as described in Exhibit “A” attached hereto and incorporated herein by this reference (“Project”); and

WHEREAS, the Authority currently intends to fund all or a portion of the costs of the Project with proceeds obtained through the issuance of securities in one or more series the interest upon which is excluded from gross income for federal income tax purposes for the purposes of, among others, design, construction, installation and completion of the Project as authorized pursuant to the provisions of the California Constitution and applicable law (collectively, the “Securities”); and

WHEREAS, prior to the issuance of the Securities, the Authority anticipates it will incur certain expenditures (“Original Expenditures”) with respect to the Project from available monies such as the Authority’s general fund, the capacity charge funds and accounts, funds held for construction of various facilities to benefit the Authority, or monies from other Authority funds or accounts utilized to pay such costs, which Original Expenditures the Authority desires and intends to reimburse with the proceeds of the Securities once issued; and

WHEREAS, the Authority Board desires that any and all such Original Expenditures be reimbursed, to the extent of available proceeds, from proceeds of the Securities; and

WHEREAS, the Authority Board desires to set forth a procedure pursuant to Federal Treasury Regulations Section 1.150-2 (“Regulation 1.150-2”) for the qualification for reimbursement of the Original Expenditures incurred prior to the date of issuance of the Securities; and

WHEREAS, Regulation 1.150-2 provides that certain of its general operating rules for reimbursement of Original Expenditures do not apply to: (i) the costs of issuance of any bond or (ii) an amount not in excess of the lesser of one hundred thousand dollars (\$100,000) or five percent (5%) of the proceeds of the issue (“De Minimis Exception”); and

WHEREAS, Regulation 1.150-2 provides that certain of its general operating rules for reimbursement of Original Expenditures do not apply to preliminary expenditures (defined therein as including architectural, engineering, surveying, soil testing, reimbursement of bond issuance, and similar costs that are incurred prior to commencement of the acquisition, construction or completion of a project, other than land acquisition, site preparation, and similar costs incidental to commencement of construction) up to an amount not in excess of twenty percent (20%) of the

issue or issues that finance or are reasonably expected to finance a project for which preliminary expenditures were incurred (“Preliminary Expenditure Exception”),

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE LINCOLN SMD-1 WASTEWATER AUTHORITY DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:

Section 1. The foregoing recitals are each true and correct and are incorporated herein.

Section 2. The Authority intends and reasonably expects that the Original Expenditures incurred prior to the issuance of the Securities proposed to be reimbursed from the proceeds of the Securities will include expenditures for the Project (or a portion of the Project) set forth in Exhibit “A,” which describes the name, purpose and function of the various wastewater facilities comprising the Project.

Section 3. The reasonably expected maximum principal amount of the Securities to be issued to fund the Project is approximately \$32,500,000, and the reasonably expected maximum principal amount of the portion of the Securities to be issued which may be used to reimburse the Original Expenditures made with respect to the Project is \$32,500,000.

Section 4. This Resolution is being adopted prior to, or within 60 days after, the payment of the Original Expenditures. This Resolution, and its directives, are subject to those exceptions provided for in the Treasury Regulations relating to preliminary expenditures such as planning, design, engineering work and similar costs incurred prior to the commencement of acquisition, construction or rehabilitation of a project, but excluding land acquisition, site preparation and similar costs incident to commencement of construction.

Section 5. Notwithstanding any statement made in this Resolution or pursuant to this Resolution to the contrary, no Original Expenditure shall be reimbursed from the proceeds of the Securities unless the reimbursement allocation from such Bond proceeds is made within 18 months after the later of:

- (i) the date the Original Expenditure is paid; or
- (ii) the date the Project are placed into service or abandoned, but in no event more than three years after the Original Expenditure is paid.

Section 6. This Resolution is consistent with the budgetary and financial circumstances of the Authority as of the date of adoption of this Resolution. No monies from any sources other than the Securities are, or are reasonably expected to be reserved, allocated on a long term basis, or otherwise set aside by the Authority (or any related party) pursuant to its budget or financial policies with respect to Original Expenditure for the Project.

Section 7. As a means of streamlining the process for designation of Original Expenditures of Authority funds as subject to reimbursement from the proceeds of the Securities, the Board directs that the following procedures may be used for such designation:

(a) For each Original Expenditure, Authority staff may complete a memorandum (in some instances referred to as an “Original Expenditure Memorandum”), in a form set forth as Exhibit “B” attached and incorporated in this Resolution by this reference, which includes the following terms:

- (i) a designation that Original Expenditures shall be subject to reimbursement from the proceeds of the Securities;
- (ii) a statement of the reasonably expected maximum principal amount of the Securities to be issued to finance the applicable Project(s);
- (iii) the expected date of the issuance of the Securities will be within 18 months of the later of: (i) the date the Original Expenditure is paid, or (ii) the date the Project(s) are placed into service or abandoned; but, in no event more than three years after the Original Expenditure is paid;
- (iv) the Original Expenditure is consistent with the budgetary and financial circumstances of the Authority as of the date made;
- (v) to the best knowledge of the preparer of the Original Expenditure Memorandum, the Original Expenditure was not previously designated as subject to reimbursement from the proceeds of any tax exempt financing of the Authority or any of its subsidiary or related entities; and
- (vi) identification of the funds to be expended and from which fund(s) or account(s) such funds will be drawn.

(b) References to this Resolution by number and date of adoption.

(c) Following approval by the General Manager or his designee(s), all Original Expenditure Memoranda shall be retained by the designated business official of the Authority as part of the Authority’s records, and shall be available for public review during regular business hours.

Section 8. This Resolution is adopted as a declaration of intent of the Authority pursuant to Section 1.150-2 and any other Treasury Regulations relating to qualification for reimbursement of Original Expenditures incurred prior to the date of issuance of the Securities, is part of the Authority’s official proceedings and records, and will be available for inspection by the general public at the business offices of the Authority during regular business hours.

Section 9. The General Manager and the designated business/finance official(s) for the Authority, or their designees, are authorized and directed to take or to cause all further actions, and to execute and deliver all documentation appropriate and necessary to implement the intent and directives of this Resolution.

Section 10. This Resolution shall be effective immediately upon adoption by the Board.

ADOPTED, SIGNED AND APPROVED this _____ day of _____, 2023.

THE BOARD OF DIRECTORS OF THE
LINCOLN SMD-1 WASTEWATER AUTHORITY

By: _____
President of the Board of Directors of the
Lincoln SMD-1 Wastewater Authority

ATTEST:

By: _____
Clerk of the Board of Directors of the
Lincoln SMD-1 Wastewater Authority

EXHIBIT “A”

DESCRIPTION OF PROJECT

The Authority expects to reimburse expenditures for wastewater facilities and facilities costs, which will depend on the total funds available for such wastewater facilities, timing of facilities and infrastructure projects and related events and conditions, which are generally described as follows:

Costs of, and related to, the design, construction, reconstruction, renovation, furnishing, equipping, acquisition, delivery and installation of new construction and modernization of the Authority’s wastewater collection, treatment and disposal facilities and supporting infrastructure as generally described below, and such costs include, but are not be limited to, preparation, planning, engineering and architectural work, legal costs, infrastructure and related expenses, site preparation, project management costs, and related geotechnical investigations, environment reviews and studies (including compliance with requirements of California Environmental Quality Act), local government planning and/or environmental costs and fees including, but not limited to:

[Input Project details and cost estimates] To be completed after Board Meeting

The foregoing costs are estimates and projections. Actual expenditures may be lower than the projections listed.

Actual expenditures will be identified in each Original Expenditure Memorandum.

EXHIBIT “B”

[To be completed for original expenditures at the time of payment]

ORIGINAL EXPENDITURE MEMORANDUM

TO: Lincoln SMD-1 Wastewater Authority – Revenue Bonds and Other Securities, Reimbursement File

FROM: _____

DATE: _____

RE: Reimbursement of Original Expenditures in accordance with Treasury Regulations Section 1.150-2 and Pursuant to Resolution No. _____, adopted by the Board of Directors on _____, 2023.

This Original Expenditure Memorandum has been completed and submitted pursuant to the directives of Resolution No. _____, adopted on _____, 2023, by the Board of Directors of the Lincoln SMD-1 Wastewater Authority (“Authority”).

As part of the Authority’s budgetary process, the Original Expenditures set forth in Attachment “A” to this Original Expenditure Memorandum are hereby designated as subject to reimbursement from issuance of tax-exempt Securities or other possible Securities, as authorized pursuant to the provisions of applicable California law. Attachment “A” is incorporated herein by this reference.

The reasonably expected maximum principal amount of the Securities to be issued to finance the Project, as identified in Resolution No. _____, is \$ _____, and the reasonably expected maximum principal amount of the Securities to be issued to reimburse the Original Expenditures is \$ _____.

The expected date of the issuance of the Securities will be within 18 months of the expenditure date or dates of the funds designated herein or the date the Project, as identified, are placed into service. The expenditure of funds is consistent with the budgetary and financial circumstances of the Authority as of the date of this Original Expenditure Memorandum.

To the best knowledge of the preparer of this Original Expenditure Memorandum, the Original Expenditures to be designated for reimbursement pursuant to this Memorandum have not been previously designated as subject to reimbursement by way of any other tax-exempt financing.

The Original Expenditures to be reimbursed, as specified in Attachment “A,” are related to the Project referenced in Resolution No. _____.

Following approval by the General Manager of the Authority, or the designated business official, and execution, the Authority shall retain this Original Expenditure Memorandum in the Authority's records, and it shall be available for public inspection during regular business hours.

Date: _____

By: _____

Name: _____

Title: _____

Attachment "A" to
Original Expenditure Memorandum

List of Expenditures to be Reimbursed and
Description of Source Fund(s) and/or Accounts

	<u>Description of Expenditure Invoiced, Date Paid</u>	<u>Fund/Account</u>	<u>Expenditure Amount</u>
1.			
2.			
3.			
4.			
5.			

Lincoln-SMD1 Wastewater Authority

Memorandum

To: Board of Directors
From: George Barber, General Manager
Date: 0714/23 Regular Board Meeting

Agenda Item #9

SUBJECT: Consider West Yost's peer review of the Phase I Wastewater Treatment and Reclamation Facility improvements and determine components or options most desirable for proceeding toward the facilities improvement process.

As requested by the Board, West Yost has completed the peer review of Stantec's proposed improvements for Phase I of the Wastewater Treatment and Reclamation Facility improvements in a Technical Memorandum dated July 10, 2023 (Peer Review).

This included reviewing the initial design scheme as well as various memos Stantec provided in its consideration of the components of the design.

The Summary of Findings from the Peer Review is as follows:

West Yost generally agrees with the recommendations provided by Stantec in the documents reviewed. However, West Yost does have suggested adjustments in the form of recommendations set forth in the Peer Review, as follows:

- We recommend that the WWTRF operations expand on the current use of the maturation ponds as an equalization facility. Expanded equalization or bypassing the maturation ponds will reduce the use of the downstream Dissolved Air Flotation (DAF) facilities, which are expensive to both expand and operate. Our recommendation includes adding facilities in the Phase 1 project to provide the ability to operate the maturation ponds in both a mainstream and side stream mode. Moreover, through changes to operations, LiSWA may be able to avoid further expansion of the filtration and UV systems as flows increase over time.
- We recommend that LiSWA replace equipment in four of the ultraviolet (UV) disinfection system channels and immediately seek re-validation of the UV system so that the capacity of the improved equipment can be realized. With the re-validation process, four UV channels should provide a capacity that matches eight filters. The re-validation will also reduce operation costs. LiSWA should also consider whether assessment of other UV technologies is warranted given the potential to significantly reduce the number of channels that need to be equipped and/or the energy savings that may be realized.
- LiSWA should ensure that the costs identified to date include all project elements envisioned for Phase 1 or whether some elements still need to be added. At this stage, it is not uncommon to include an estimating contingency to account for such elements.

The recommended approach to the improvements is:

As stated previously, LiSWA should move forward with the operational and maintenance projects identified in the Critical Projects Summary.

West Yost also agrees that the Phase 1 project should provide for expansion, as needed, to accommodate an Average Dry Weather Flow capacity of 6.0 mgd. This requires the following improvements:

- Interconnect the DAF (16 mgd capacity)
- Install one additional filtration unit (16.6 mgd)

In addition, while the analysis demonstrates that the maturation ponds provide more than adequate capacity to attenuate peaks such that only one additional filtration unit is needed, it may be prudent to move forward with construction of two additional filtration units (instead of one). This will likely result in overall savings on the total construction cost.

It is *not* recommended that LiSWA move forward with construction of the third DAF clarifier to match this capacity of the filtration units. Instead, the operations staff should be given the flexibility to operate the maturation ponds in a side stream equalization mode. This will give significant flexibility to utilize the ponds to their greatest benefit and minimize usage of the DAF clarifiers, which have a very high operations cost. This approach requires expansion of the Maturation Pond Influent Pump Station and installation of the controls needed to allow for operation of side stream maturation ponds. It is also recommended that sludge blanket depth meters be installed in the secondary clarifiers to alert staff to the need to divert all the flow to the maturation ponds in the event of potential solids overflow. LiSWA should also work with operations staff to implement a strategy that eliminates use of the DAF clarifiers during the low-flow summer months and bypasses the DAFs during the winter months, when appropriate.

It is *not* recommended that LiSWA construct the Maturation Pond Pump Station at this time. With approximately 19 mgd of filtration and disinfection capacity and the ability to operate the maturation ponds in side stream equalization mode (with the ability to divert all flow to the ponds in an emergency), it may not be necessary to operate the ponds in a mainstream maturation mode over the long term. If operations staff determine that additional maturation pond effluent pumping is desirable after gaining experience with side stream equalization, the new Maturation Pond Pump Station can be constructed in Phase 2.

Regarding the UV system, it appears that four channels that are equipped with the new WEDECO equipment will provide 19.7 mgd capacity. Therefore, it is recommended that LiSWA move forward with a project that replaces equipment in four channels and then seek re-validation of the system based on the narrower lamp spacing and the higher end of lamp life and fouling factors. Based on discussion in the UV Expansion Report, additional assessment of the system hydraulics may be needed to confirm this approach. However, given the potential savings that could be realized, this additional effort is warranted. As part of this additional work, LiSWA may also want to consider whether other technology options could result in reduced overall lifecycle costs. Given the significant energy demands of the UV system, implementing a strategy that minimizes long-term energy costs could provide significant benefits.

A summary of the projects recommended in Phase 1, along with the estimated costs based on the Phase OPCC Summary document is provided in Table 3. Also included is a 35 percent contingency to account for project elements that are needed but have not yet been included in the costs. These project elements may include, but are not limited to, installation of a new headworks generator, replacement of the diffusers in Oxidation Ditch No. 3, PLC replacements, air conditioning replacements, site work and yard piping and improvements needed to allow for operation in side stream maturation pond mode.



As previously mentioned, LiSWA should request that Stantec identify an appropriate contingency to add to the costs so that a complete picture of the total construction cost is provided.

Table 3. Estimated Construction Cost for Recommended Projects		
Project Element	Estimated Cost, dollars	Notes
Influent Pump Station	410,000	Recommended condition-related project
Headworks - Grit Removal	2,330,000	Recommended operational improvement
Oxidation Ditch Splitter Box	-	Not needed to provide ADWF capacity of 6.0 mgd
Oxidation Ditches	-	
Secondary Clarifiers	-	
RAS Pump Station	-	
Maturation Pond Pump Station	400,000	Expansion of influent pump station to allow pumping of all flows to Maturation Ponds. Project should also include addition of sludge blanket meters to alert operators to potential need to divert all flows to the maturation ponds.
Maturation Pond Outlet Facilities	50,000	Provide controls that allow for operation of maturation ponds for side stream equalization mode. Operations staff should gain comfort with operating the system without DAF clarifiers when it is not necessary.
DAF Splitter Box	650,000	Allows for use of both DAFs
Dissolved Air Floatation Clarifiers		This DAF not needed with equalization capacity. Operators can also bypass DAFs or overload them for short-term peak flow periods
DAF Float Pump Station		
DAF Recirculation Pump Station & Compressor		
Filter Feed Pump Station	270,000	Install both filters. Lower overall cost and more flexibility for peak flow (also helps if DAF is partially bypassed)
Tertiary Filters	8,000,000	
UV Disinfection	3,650,000	Cost to replace equipment in four channels. Assumes validation will allow for higher flow per lamp.
Chemical Facilities	140,000	Not mentioned in Stantec documents but assumed this is a condition-related or operational improvement project.
Solids Holding Tank	350,000	Recommended condition-related project
Reclamation Filter/Chlorination	1,360,000	Recommended condition-related project

Effluent Pump Station	200,000	Expansion of the pump station is not needed per Pond Operation Report. Assume costs will cover recommended condition-related improvement.
Subtotal	\$17,810,000	-
Estimating Contingency, 35%	\$6,230,000	Accounts for project elements that are needed, but not yet included in the cost estimate.
Estimated Construction Cost	\$24,040,000	-

If the Board agrees with the West Yost Peer Review recommendations, the staff recommendation is as follows:

Staff Recommendation:

“Accept the West Yost Peer Review and direct Stantec to proceed with the design by implementing all of the recommendations set forth in West Yost Peer Review.”

TECHNICAL MEMORANDUM

DATE: July 10, 2023

Project No.: 1072-40-22-01

SENT VIA: EMAIL

TO: George Barber, General Manager
Lincoln-SMD-1 Wastewater Agency

FROM: Kathryn Gies, PE, RCE #65022

REVIEWED BY: Tim Banyai, PE, RCE #60715

SUBJECT: Review of Recommendations for Improvements to the Lincoln-SMD-1 Wastewater Agency's Wastewater Treatment and Reclamation Facility



This technical memorandum (TM) summarizes West Yost's review of recent recommendations regarding the available treatment capacity and expansion needs of the Lincoln-SMD-1 Wastewater Agency's (LiSWA's) Wastewater Treatment and Reclamation Facility (WWTRF). The objective of this effort is to provide an independent assessment of the recommendations provided to LiSWA for improvements to the WWTRF treatment facilities by Stantec, who is LiSWA's consulting engineering and plant operations team.

The topics addressed specifically include:

- Summary of Findings
- Document Review
- Assessment of Reported Findings and Recommendations
- Recommended Expansion Approach

SUMMARY OF FINDINGS

West Yost generally agrees with the recommendations provided by Stantec in the documents reviewed. However, we do have some suggested adjustments, as follows:

- We recommend that the WWTRF operations expand on the current use of the maturation ponds as an equalization facility. Expanded equalization or bypassing the maturation ponds will reduce the use of the downstream Dissolved Air Flotation (DAF) facilities, which are expensive to both expand and operate. Our recommendation includes adding facilities in the Phase 1 project to provide the ability to operate the maturation ponds in both a mainstream and side stream mode. Moreover, through changes to operations, LiSWA may be able to avoid further expansion of the filtration and UV systems as flows increase over time.

- We recommend that LiSWA replace equipment in four of the ultraviolet (UV) disinfection system channels and immediately seek re-validation of the UV system so that the capacity of the improved equipment can be realized. With the re-validation process, four UV channels should provide a capacity that matches eight filters. The re-validation will also reduce operation costs. LiSWA should also consider whether assessment of other UV technologies is warranted given the potential to significantly reduce the number of channels that need to be equipped and/or the energy savings that may be realized.
- LiSWA should ensure that the costs identified to date include all project elements envisioned for Phase 1 or whether some elements still need to be added. At this stage, it is not uncommon to include an estimating contingency to account for such elements.

DOCUMENT REVIEW

WWTRF upgrade recommendations are detailed in several documents that were prepared by the Stantec team:

- Lincoln WWTRF Review of Maturation Pond and Tertiary Storage Operation and Sizing and Impacts on Other Facilities Based on Updated Data and New Permit Temperature Requirements, April 13, 2023 (Pond Operation Report).
- Lincoln WWTRF Ultraviolet Disinfection System Expansion, May 8, 2023 (UV Expansion Report).
- Lincoln WWTRF Review of Secondary Treatment Capacity Based on Recent Peak Flow Events, Revised Organic Load, and Maturation Pond Operation, May 17, 2023 (Secondary Capacity Report).
- Critical Expansion/Projects, which was prepared by WWTRF Operations Team on June 30, 2023 (Critical Projects Report).
- City of Lincoln WWTRF Expansion Phased Opinions of Probable Cost, May 31, 2023 (Phased OPCC).

A summary of the information contained in these documents is provided in the sections below.

Pond Operation Report Summary

The purpose of this report was to document an assessment of the recommended sizing for the WWTRF maturation ponds, tertiary storage basins, and other facilities impacted by the design and/or operation of the maturation ponds and tertiary storage basins based on recent data and new permit temperature requirements that allow for increased discharges to surface water. With respect to the maturation ponds and related facilities, two alternatives were considered: mainstream maturation ponds and side stream maturation ponds. Facilities impacted by operation of the maturation ponds and tertiary storage basins are the DAF clarifiers, tertiary filters, the ultraviolet (UV) disinfection system and the final effluent pump station.

Key finding to the mainstream maturation pond alternative and related facilities are as follows:

- The mainstream maturation ponds provide two main functions: 1) flow equalization to allow downstream facilities to be designed for the average maturation pond effluent flow during peak flow conditions, and 2) dilution (by blending) and removal to reduce peak concentrations of priority pollutants. They also provide benefits such as cooling of the wastewater flow and acting as an additional barrier for removal of suspended solids in the event of a secondary treatment process overload or upset.
- To obtain the equalization volume needed to optimize the downstream facility sizing, a Maturation Pond Effluent Pump Station will be needed. Stantec has recommended that the pump station provide the ability to pump the maturation ponds down to a depth of about 5 feet (ft) (or a water surface elevation of 101.3 ft), resulting in an available equalization storage volume of 129 million gallons (Mgal) (out of 177 Mgal total).
- The equalization volumes required at different WWTRF Average Dry Weather Flow (ADWF) design conditions and filtration system capacities are shown in Table 1. Regardless of what filtration capacity is provided, Stantec has recommended that the new Maturation Pond Effluent Pump Station be designed for 19.3 million gallons per day (mgd), which is the filtration capacity needed for a future ADWF design flow of 8.0 mgd.

ADWF Design Condition, mgd	6 Filter Cells ^(b) 13.8 mgd	7 Filter Cells ^(b) 16.6 mgd	8 Filter Cells ^(b) 19.3 mgd
6.0	129	67	40
7.0	184	116	55
8.0	292	167	103

(a) Requirements are based on a 30-day storm period with a total rainfall of 11.64 inches, which is estimated to be around a 6-year return frequency. Due to uncertainty and potential for higher rainfall events, the analysis includes a 1.25 safety factor above minimum calculated volumes.

(b) Assumes one filter is out of service.

- To provide additional reliability and operational flexibility, including the ability to handle more severe storm events, Stantec recommends increasing the filter capacity to at least 16.6 mgd by adding one additional filter cell. Furthermore, since a minimum filter capacity of 19.3 mgd would be required for the subsequent expansion to the design ADWF capacity of 8 mgd, increasing the filter capacity to 19.3 mgd by adding two additional filter cells may be prudent.
- At capacity of 8 mgd each, two DAF clarifiers will be adequate to handle a flow of 16 mgd, which is slightly lower than the capacity of seven filter cells. Unless partial DAF overload or bypass is considered, a third DAF clarifier is needed to match the capacity of eight filter cells.
- Current UV capacity of 17.5 mgd is adequate for the full capacity of seven filter cells (16.6 mgd). Adding lamps to the existing empty channel would increase capacity to 21 mgd (assuming the system is not re-rated., See discussion under the UV Expansion Report below). This would be adequate for the capacity of eight filter cells (19.32 mgd).

Key finding to the side stream maturation ponds alternative and related facilities are as follows:

- The side stream maturation ponds provide one main function: flow equalization to allow downstream facilities to be designed for the average maturation pond effluent flow during peak flow conditions. Other benefits provided by the mainstream maturation pond approach would not be realized with this approach.
- When the maturation pond return flow capacity is not limited below the amount required to sustain the tertiary treatment flow at its capacity, equalization storage requirements were the same as required for the mainstream alternative. Stantec has estimated that a maturation pond effluent pumping capacity of 10 mgd would be adequate to optimize the equalization storage requirements at the 8.0 mgd ADWF design condition.
- Because most of the flow to the filter units would bypass the ponds, a new Maturation Pond Effluent Pump Station would not be needed to obtain the equalization volume needed to optimize the downstream facility sizing. The recommended 10 mgd of pumping capacity could be realized with relatively minor modifications to the existing facilities. This would result in an estimated \$3.4 million in savings.
- Similarly, because only up to 10 mgd would potentially need to be treated in the DAF clarifiers, a third DAF would not be needed. This would result in an estimated \$8.1 million in savings.
- Stantec suggests that one key benefit of the mainstream maturation pond approach, providing additional barrier for removal of suspended solids in the event of a secondary treatment process overload or upset, will need to be considered. An assessment of this benefit is provided in the Secondary Capacity Report.

Key findings related to the tertiary storage basins are as follows:

- If the current practice of discharging effluent that has been cooled in the maturation ponds is continued, essentially no tertiary storage would be needed for temperature compliance based on the three years of data analyzed for this study. However, a modest amount of storage would be required for irrigation reuse operations.
- Without temperature attenuation in the maturation ponds, the maximum storage requirement for temperature compliance determined in this analysis is 92 Mgal, based on an agricultural irrigation area of 942 ac. The storage requirement would increase to only 97 Mgal if the agricultural irrigation area is reduced to 762 ac due to loss of the existing center pivot irrigation system.
- Since the existing tertiary storage basin volume is 190 Mgal, it is apparent that no additional tertiary storage is required. Moreover, use of the maturation pond for temperature attention is not needed.
- Because tertiary storage basins have surplus capacity, the existing Effluent Pump Station capacity of 20.4 mgd is also adequate.

In addition to the above findings, this Report provides an assessment of the potential WWTRF capacity needs given the current ADWF of 4.4 mgd. The report suggests that the next expansion of the maturation ponds and downstream facilities could be designed for the capacity required in mid-2032.

UV Expansion Report Summary

The purpose of this report is to document an assessment of different UV system expansion options, and to recommend a preferred expansion approach. Key findings presented in this report are as follows:

- The existing UV disinfection system is comprised of six channels with five that are fully equipped with five banks each (four duty banks plus one standby). The system currently has a design capacity of 17.5 mgd based on delivering a minimum UV dose of 100 million per square centimeters (mJ/cm^2) at a design minimum UV transmittance (UVT) of 70 percent.
- The analysis considers three approaches for upgrading the UV system by replacing the existing equipment in kind under the Phase 1 project, as follows:
 - adding equipment only in the sixth channel,
 - adding equipment to the sixth channel and replacing the equipment in channels four and five, and
 - adding equipment to the sixth channel and replacing the equipment in all five of the existing channels (one through five).
- All approaches assume replacement of the existing PLCs to address current system control limitations.
- The new equipment would be the same model as the existing equipment except it would have narrower center-line spacing. The new equipment should also qualify for validation with using a higher end of lamp life and fouling factors. These changes would provide for a higher flow capacity for the same number of lamps.
- Additional system capacity would also be realized if the facility switched to a redundant channel operation (versus redundant bank operation).
- The report suggests that the UV system could provide capacity up to 32.8 mgd if all the equipment were replaced and the sixth channel were equipped, the system was operated with a redundant channel operation, and the system was validated for the new equipment and redundant operation strategy.
- Until all the equipment is replaced, it would not be possible to realize the benefits of a higher flow capacity for the same number of lamps.
- The addition of equipment to the sixth channel alone will increase capacity to 21 mgd, without having to change the operational redundancy configuration (redundant channel or redundant bank per channel) or having to get approval for use of the higher end of lamp life and fouling factors.

Secondary Capacity Report Summary

The purpose of this report is to document an assessment of the capacity of the existing WWTP secondary treatment system based on recent flow and load information. Key findings presented in this report are as follows:

- Recent influent BOD concentration data is questionable, and a sludge yield analysis indicates that an average BOD concentration of 330 mg/L is a reasonable estimate of actual conditions. This BOD concentration, which is very close to the average BOD value from 2016 to 2018, has been used for secondary process capacity analysis.

- If flows to the secondary treatment system are limited to 3.94 x ADWF by diverting excess flows to the emergency storage basin, the capacity of the existing secondary treatment system with three oxidation ditches and three clarifiers is 6.0 mgd ADWF based on the mainstream maturation pond configuration. If an oxidation ditch is added, the capacity would increase to 7.15 mgd. If an oxidation ditch and a clarifier are both added, the capacity would increase to 8.0 mgd.
- The analysis assumes that the secondary clarifiers would need to have a more robust design under the side stream maturation pond configuration. This more conservative approach would result in a capacity rating of 0.4 to 0.5 mgd lower than the mainstream maturation pond approach.
- The report also suggests that reductions in effluent ammonia and nitrate plus nitrite concentrations accomplished in the maturation ponds would be eliminated, making compliance with permit requirements for these constituents much more difficult and problematic, unless other secondary process improvements were implemented (like larger anoxic basins and more aeration capacity). However, the modeling efforts documented in the report show that the ammonia and nitrate limits are readily achieved with the existing facilities.
- The analysis presented in the Pond Operation Report demonstrates that at a relatively fast growth rate of 3 percent annually, the WWTRF will reach an ADWF capacity of 6.0 mgd around mid-2033. At a 2 percent growth rate, the ADWF to the facility will be approximately 6.0 mgd by mid-2038. Therefore, near term expansion of the secondary process is not needed (under the mainstream maturation pond approach).

Critical Projects Report Summary

This Report highlights key projects that are needed to allow for continued, reliable treatment of the WWTRF. Notably, this report highlights important condition or maintenance related projects as follows:

- Lining Influent Receiving Channel
- Influent Pump 2C pump adapter replacement
- UCI Gate No. 1 and actuator replacement
- Add a new generator for the headworks
- Add grit removal
- Replace of diffusers in Oxidation Ditch No. 3
- Expand maturation pond inlet pumping capacity and add mechanical gates to the inlet structure
- Add gates to the maturation pond outlet structure to allow flow to come from the bottom of the ponds
- Add cross-over piping between the low- and high-pressure final effluent pump stations
- Replace diffusers in the solids holding tank
- Install filtration and chlorination facility for reclaimed water flows directed to the City of Lincoln
- Replace programmable logic controllers (PLCs) plantwide
- Replace the air conditioning unit in several MCCs and the Administration building

The report also addresses the DAF, filtration and UV capacity expansion projects that are included in the other reports.

Phased OPCC Summary

The Phased OPCC identifies costs for the projects in three phases: 6.0 mgd ADWF, 7.1 mgd ADWF, and 8.0 mgd ADWF. This document essentially summarizes Stantec’s recommendations from all of the reports that were generated. The recommendations for Phase 1 are as follows:

- Generally, all the condition and maintenance related improvements identified in the Critical Projects Report are identified. However, it is not clear whether the OPCC includes the headworks generator, replacement of the diffusers in Oxidation Ditch No. 3, PLC replacements, and air conditioning replacements.
- Installation of a third DAF and reconnecting DAF No. 2 so it can be used for maturation pond effluent. This project would also include additional controls to prevent cross-connection when using a DAF for treatment of tertiary flows prior to irrigation. This would provide up to 24 mgd of DAF treatment capacity.
- Installation of two new tertiary filters. This would provide up to 19.3 mgd of tertiary filtration capacity.
- Installation of new UV equipment in Channel No. 6 and replacement of equipment in Channels No. 4 and No. 5.
- New chemical facilities (it is not clear what this project entails as it is not addressed in any of the reports that were reviewed)

The Phase 2 project would involve:

- Construction of a fourth oxidation ditch
- Construction of the Maturation Pond Outlet Pump Station, which would allow for operation of the maturation ponds as an equalization facility
- Installation of new UV equipment in Channels No. 1, No. 2 and No. 3.

The Phase 3 project would involve construction of a fourth secondary clarifier and associated return activated sludge pumping facilities.

ASSESSMENT OF REPORT FINDINGS AND RECOMMENDATIONS

The discussion below presents West Yost’s assessment of the findings and recommendations included in the five documents that were reviewed.

Pond Operation Report Assessment

In general, the analysis in the report appears to accurately reflect the storage needs. However, the report presents a side stream maturation pond approach that could result in \$10.5 million in savings, but then dismisses this approach as unfavorable due to added operational complexity and elimination of the ancillary benefits provided by the maturation ponds. However, it is West Yost’s assessment that many of the negative attributes of the side stream maturation pond approach are overstated. Table 2 provides West Yost’s opinion of some of these identified concerns. In addition, one key benefit of the side stream maturation pond approach that is not addressed is the ability to NOT use the DAF clarifiers during the

summer months and reduced operations during the winter months. The operational cost savings of this strategy should not be overlooked.

Table 2. Assessment of Identified Concerns with Side Stream Maturation Pond Approach	
Concern Identified	West Yost Assessment
Substantial priority pollutant dilution not provided.	Based on West Yost experience working with treatment plants that have a similar size and service area as LiSWA, compliance with priority pollutants is not a major issue of concern for facilities that provide advanced secondary and tertiary treatment like the WWTRF. Considering the above, there are legitimate questions regarding the cost/benefit ratio of applying a maturation pond approach to achieve priority pollutant concentration reduction.
Substantial temperature attention not provided	Without temperature attenuation in the maturation ponds, the maximum tertiary storage requirement for temperature compliance determined in the analysis is 97 Mgal and the existing tertiary storage basin volume is 190 Mgal. Therefore, this benefit is not needed.
Disinfection improvements not provided	The benefits of this are not quantifiable. The report suggests that a lower UV dose is possible. While that may be technically true, the UV system will always be operated at a 100 mJ/cm ² dose. Therefore, even if there were substantial disinfection, there would be no reduction in treatment costs. Potential benefits are limited to reduced risk of coliform violations.
Cannot rely on maturation ponds to provide flexibility for secondary process design	If the project included the ability to divert all secondary flows to the maturation ponds, it would be possible to rely on the ponds to provide flexibility during solids overflow event. Moreover, this practice could be automated using sludge depth meters in the secondary clarifiers. Therefore, West Yost disagrees that the secondary treatment system rated capacity would be reduced with the side stream maturation ponds.
DAF system cannot be turned on and off, it would be necessary to maintain a continuous minimum base flow through the DAF system	Based on graphs and information provided, it appears that operation could be established as seasonal, with flows to the DAF metered out to maintain a relatively constant flow to the system. The DAF would be taken out of service in low flow months. While this does increase operational complexity, the strategy is not overly complex, and the operations savings would be significant.
Require coordinated control of four flow rates, involving three pump systems.	While this approach does introduce complexity, this operation could likely be automated.

Based on the information above, the side stream maturation pond should not be dismissed. Moreover, because this approach could be implemented with relatively minor system improvements and could result in significantly operational savings, it is recommended that the project include providing the flexibility to bypass the maturation ponds and operate the system with side stream maturation ponds – while still providing the ability to discharge all of the secondary effluent to the maturation ponds.

UV Expansion Report Assessment

The analysis assumes LiSWA would equip six channels and only seek approval for higher capacity for lamp if more than two filter cells are installed. What the Report fails to acknowledge is that if the equipment were replaced in four channels (3 duty channels and 1 standby) and the system were re-validated, the system would have a capacity of 19.7 mgd – approximately equivalent to eight filter cells. Stantec has indicated that the hydraulics would need to be verified to confirm this much capacity could be realized. At an estimated cost of \$912,000 per channel for equipment installation, eliminating the need to replace equipment in two channels could result in \$1.8 million in savings. The additional evaluation needed to confirm whether the additional capacity could be realized is justified by these savings.

In addition, the analysis does not consider the benefits of other potential types of UV equipment. There are likely some equipment options available that have lower operating costs. However, West Yost does not have enough knowledge of the existing system to assess what improvements would be needed to accommodate different equipment types. Nevertheless, given the energy use of the UV system is a very significant portion of the WWTRF's operating costs, a lifecycle analysis of a range of UV equipment options would be worth considering.

Secondary Capacity Report Assessment

In general, West Yost agrees with the analysis presented in this report. The facility has significant storage capacity both through the maturation ponds and emergency storage that provides substantial benefits in terms of system reliability. The analysis generally considers these benefits when assigning an ADWF capacity of 6.0 mgd to the secondary process. West Yost also agrees that an expansion of the secondary treatment process is not warranted at this time.

Nevertheless, there is still some conservatism applied in the treatment facility sizing approach for the secondary process. Prior to completing the next upgrade project, LiSWA could consider developing a calibrated process model of the facilities so that the total Solids Retention Time (SRT) required to achieve the necessary performance is based on performance data and not theoretical factors. Although a model-based design approach is less conservative, the maturation ponds and emergency storage do significantly increase the overall reliability of the system. Therefore, a less conservative approach could be appropriate for this facility. (Note that online ammonia and nitrate probes could be used to both operate the system more efficiently and alert the operators to an issue that would require diversion to the maturation ponds or emergency storage basins.)

Critical Projects Report Assessment

West Yost supports completing all the operational and maintenance projects identified in this report.

Phased OPCC Summary Assessment

Given the information provided above, West Yost does **not** agree with all the projects recommended in Phase 1. Our recommendations are further detailed in the next section of this TM.

In addition, it is not clear that the OPCC includes all the costs associated with the projects identified. Specifically, the OPCC includes lines for general site work, yard piping and electrical and instrumentation elements. However, costs are not identified for these elements. It is assumed; therefore, that the costs presented are for illustrative purposes only and do not reflect the true cost of the projects that will need to be completed. It is suggested that the LiSWA request that Stantec identify what contingency should be added on top of the costs identified to reflect the items in the cost estimates that are needed, but not yet identified.

RECOMMENDED EXPANSION APPROACH

As stated previously, LiSWA should move forward with the operational and maintenance projects identified in the Critical Projects Summary.

West Yost also agrees that the Phase 1 project should provide for expansion, as needed, to accommodate an ADWF capacity of 6.0 mgd. This requires the following improvements:

- Interconnect the DAF (16 mgd capacity)
- Install one additional filtration unit (16.6 mgd)

In addition, while the analysis demonstrates that the maturation ponds provide more than adequate capacity to attenuate peaks such that only one additional filtration unit is needed, it may be prudent to move forward with construction of two additional filtration units (instead of one). This will likely result in overall savings on the total construction cost.

It is not recommended that LiSWA move forward with construction of the third DAF clarifier to match this capacity of the filtration units. Instead, the operations staff should be given the flexibility to operate the maturation ponds in a side stream equalization mode. This will give significant flexibility to utilize the ponds to their greatest benefit and minimize usage of the DAF clarifiers, which have a very high operations cost. This approach requires expansion of the Maturation Pond Influent Pump Station and installation of the controls needed to allow for operation of side stream maturation ponds. It is also recommended that sludge blanket depth meters be installed in the secondary clarifiers to alert staff to the need to divert all the flow to the maturation ponds in the event of potential solids overflow. LiSWA should also work with operations staff to implement a strategy that eliminates use of the DAF clarifiers during the low-flow summer months and bypasses the DAFs during the winter months, when appropriate.

It is not recommended that LiSWA construct the Maturation Pond Pump Station at this time. With approximately 19 mgd of filtration and disinfection capacity and the ability to operate the maturation ponds in side stream equalization mode (with the ability to divert all flow to the ponds in an emergency), it may not be necessary to operate the ponds in a mainstream maturation mode over the long term. If operations staff determine that additional maturation pond effluent pumping is desirable after gaining experience with side stream equalization, the new Maturation Pond Pump Station can be constructed in Phase 2.

Regarding the UV system, it appears that four channels that are equipped with the new WEDECO equipment will provide 19.7 mgd capacity. Therefore, it is recommended that LiSWA move forward with a project that replaces equipment in four channels and then seek re-validation of the system based on the narrower lamp spacing and the higher end of lamp life and fouling factors. Based on discussion in the UV Expansion Report, additional assessment of the system hydraulics may be needed to confirm this approach. However, given the potential savings that could be realized, this additional effort is warranted. As part of this additional work, LiSWA may also want to consider whether other technology options could result in reduced overall lifecycle costs. Given the significant energy demands of the UV system, implementing a strategy that minimizes long-term energy costs could provide significant benefits.

A summary of the projects recommended in Phase 1, along with the estimated costs based on the Phase OPCC Summary document is provided in Table 3. Also included is a 35 percent contingency to account for project elements that are needed but have not yet been included in the costs. These project elements may include, but are not limited to, installation of a new headworks generator, replacement of the diffusers in Oxidation Ditch No. 3, PLC replacements, air conditioning replacements, site work and yard piping and improvements needed to allow for operation in side stream maturation pond mode.

As previously mentioned, LiSWA should request that Stantec identify an appropriate contingency to add to the costs so that a complete picture of the total construction cost is provided.

Table 3. Estimated Construction Cost for Recommended Projects		
Project Element	Estimated Cost, dollars	Notes
Influent Pump Station	410,000	Recommended condition-related project
Headworks - Grit Removal	2,330,000	Recommended operational improvement
Oxidation Ditch Splitter Box	-	Not needed to provide ADWF capacity of 6.0 mgd
Oxidation Ditches	-	
Secondary Clarifiers	-	
RAS Pump Station	-	
Maturation Pond Pump Station	400,000	Expansion of influent pump station to allow pumping of all flows to Maturation Ponds. Project should also include addition of sludge blanket meters to alert operators to potential need to divert all flows to the maturation ponds.
Maturation Pond Outlet Facilities	50,000	Provide controls that allow for operation of maturation ponds for side stream equalization mode. Operations staff should gain comfort with operating the system without DAF clarifiers when it is not necessary.
DAF Splitter Box	650,000	Allows for use of both DAFs
Dissolved Air Floatation Clarifiers		This DAF not needed with equalization capacity. Operators can also bypass DAFs or overload them for short-term peak flow periods
DAF Float Pump Station		
DAF Recirculation Pump Station & Compressor		
Filter Feed Pump Station	270,000	Install both filters. Lower overall cost and more flexibility for peak flow (also helps if DAF is partially bypassed)
Tertiary Filters	8,000,000	
UV Disinfection	3,650,000	Cost to replace equipment in four channels. Assumes validation will allow for higher flow per lamp.
Chemical Facilities	140,000	Not mentioned in Stantec documents but assumed this is a condition-related or operational improvement project.
Solids Holding Tank	350,000	Recommended condition-related project
Reclamation Filter/Chlorination	1,360,000	Recommended condition-related project
Effluent Pump Station	200,000	Expansion of the pump station is not needed per Pond Operation Report. Assume costs will cover recommended condition-related improvement.
Subtotal	\$17,810,000	-
Estimating Contingency, 35%	\$6,230,000	Accounts for project elements that are needed, but not yet included in the cost estimate.
Estimated Construction Cost	\$24,040,000	-

REFERENCES

Stantec, April 2023, *Lincoln WWTRF Review of Maturation Pond and Tertiary Storage Operation and Sizing and Impacts on Other Facilities Based on Updated Data and New Permit Temperature Requirements.*

Stantec, May 2023, *Lincoln WWTRF Ultraviolet Disinfection System Expansion.*

Stantec, May 2023, *Lincoln WWTRF Review of Secondary Treatment Capacity Based on Recent Peak Flow Events, Revised Organic Load, and Maturation Pond Operation.*

Stantec, May 2023, *City of Lincoln WWTRF Expansion Phased Opinions of Probable Cost.*

Stantec, June 2023, *Critical Expansion/Projects.*