

ENGINEERING, OPERATIONS, AND WATER RESOURCES COMMITTEE MEETING OF THE BOARD OF DIRECTORS INLAND EMPIRE UTILITIES AGENCY*

WEDNESDAY, SEPTEMBER 9, 2020 9:45 A.M.

INLAND EMPIRE UTILITIES AGENCY*
VIEW THE MEETING LIVE ONLINE AT IEUA.ORG
TELEPHONE ACCESS: (415) 856-9169 / Conf Code: 785 915 772#

PURSUANT TO THE PROVISIONS OF EXECUTIVE ORDER N-25-20 ISSUED BY GOVERNOR GAVIN NEWSOM ON MARCH 12, 2020, AND EXECUTIVE ORDER N-29-20 ISSUED BY GOVERNOR GAVIN NEWSOM ON MARCH 17, 2020 AND IN AN EFFORT TO PROTECT PUBLIC HEALTH AND PREVENT THE SPREAD OF COVID-19, THERE WILL NO PUBLIC LOCATION FOR ATTENDING IN PERSON.

The public may participate and provide public comment during the meeting by dialing into the number provided above. Alternatively, you may email your public comments to the Interim Board Secretary/Office Manager Laura Mantilla at lmantilla@ieua.org no later than 24 hours prior to the scheduled meeting time. Your comments will then be read into the record during the meeting.

CALL TO ORDER

PUBLIC COMMENT

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to email the Interim Board Secretary no later than 24 hours prior to the scheduled meeting time or address the Board during the public comments section of the meeting. Comments will be limited to three minutes per speaker. Thank you.

ADDITIONS TO THE AGENDA

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

1. CONSENT ITEMS

A. MINUTES

The Committee will be asked to approve the Engineering, Operations, and Water Resources Committee meeting minutes of August 12, 2020.

B. <u>LANDSCAPE TUNE-UP PROGRAM CONTRACT AMENDMENT</u>

Staff recommends that the Committee/Board:

- Award a contract amendment to Conserv Construction, Inc. for the Landscape Tune-up Program, for an additional amount of \$400,000 with two one-year extension options of \$200,000 each, increasing the contract from \$200,000 to a not-to-exceed amount of \$1,000,000 (80% increase); and
- 2. Authorize the General Manager to execute the contract amendment subject to non-substantive changes.

C. <u>RP-5 EXPANSION PROJECT OPERATIONS AND MAINTENANCE RESOURCE STUDY CONTRACT AWARD</u>

Staff recommends that the Committee/Board:

- Award an RP-5 Operations & Maintenance Resource Study services consultant contract for the RP-5 Expansion, Project Nos. EN19001.99 and EN19006.99, to CDM Smith for the not-to-exceed amount of \$270,000; and
- 2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

D. NRW EAST END FLOW METER REPLACEMENT SOCALGAS LINE RELOCATION

Staff recommends that the Committee/Board authorize the General Manager to execute the collectible work agreement with SoCalGas, subject to non-substantive changes, in the amount of \$129,484.17.

2. ACTION ITEMS

A. <u>COLLECTION SYSTEM ASSESSMENT AND OPTIMIZATION SERVICE</u> <u>CONTRACT AWARD</u>

Staff recommends that the Committee/Board:

- Award a service contract for the Condition Assessment and Optimization of the Collection System, Project Nos. EN19024 & EN19028, to CDM Smith for a not-to-exceed amount of \$2,910,909;
- 2. Approve total project budget amendment in the RO Fund, Project No. EN19024 from \$1,250,000 to \$2,800,000, an increase of \$1,550,000; and

Engineering, Operations, & Water Resources Committee September 9, 2020 Page 3

- 3. Authorize the General Manager to execute the contract, subject to nonsubstantive changes.
- B. <u>SOUTH ARCHIBALD PLUME CLEANUP PROP 1 SCOPE</u> <u>AMENDMENT APPLICATION</u>

Staff recommends that the Committee/Board authorize a budget amendment of \$1.5 million to the TCE Plume Cleanup Project which is expected to be funded by grant funds.

- 3. **INFORMATION ITEMS**
 - A. RP-5 PROJECT UPDATE: AUGUST 2020 (POWERPOINT)
 - B. PLANNING & ENVIRONMENTAL RESOURCES UPDATE (ORAL)

RECEIVE AND FILE INFORMATION ITEM

- C. <u>ENGINEERING AND CONSTRUCTION MANAGEMENT PROJECT UPDATES (POWERPOINT)</u>
- 4. **GENERAL MANAGER'S COMMENTS**
- 5. COMMITTEE MEMBER COMMENTS
- 6. COMMITTEE MEMBER REQUESTED FUTURE AGENDA ITEMS
- 7. ADJOURN

*A Municipal Water District

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Interim Board Secretary (909-993-1944), 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

| | Proofed by: | &R |
|---|---------------|----|
| DECLARATIO | ON OF POSTING | |
| I, Laura Mantilla, Interim Board Secretary/Office Manager of the certify that a copy of the agenda has been posted by 5:30 p.m. i Chino, CA on Thursday, September 3, 2020. | | |
| of purconntille | | |
| Laura Mantilla | | |

CONSENT ITEM 1A



MINUTES ENGINEERING, OPERATIONS, AND WATER RESOURCES COMMITTEE MEETING INLAND EMPIRE UTILITIES AGENCY* AGENCY HEADQUARTERS, CHINO, CA

WEDNESDAY, AUGUST 12, 2020 9:45 A.M.

COMMITTEE MEMBERS PRESENT via Teleconference

Michael Camacho, Chair Kati Parker

COMMITTEE MEMBERS ABSENT

None

STAFF PRESENT

Shivaji Deshmukh, General Manager Christiana Daisy, Executive Manager of Engineering/AGM Laura Mantilla, Interim Board Secretary/Office Manager Wilson To, Technology Specialist II

STAFF PRESENT via Teleconference

Kathy Besser, Executive Manager of External Affairs & Policy Development/AGM Randy Lee, Executive Manager of Operations/AGM

Christina Valencia, Executive Manager of Finance & Administration/AGM

Joshua Aguilar, Senior Engineer

Jerry Burke, Manager of Engineering

Pietro Cambiaso, Deputy Manager of Planning & Environmental Resources

Andy Campbell, Groundwater Recharge Coordinator/Hydrogeologist

Don Hamlett, Acting Deputy Manager of Integrated Systems Services

Jennifer Hy-Luk, Acting Executive Assistant

Sally H. Lee, Executive Assistant

Eddie Lin, Associate Engineer

Jason Marseilles, Deputy Manager of Engineering & Construction Management

Scott Oakden, Manager of Operations and Maintenance

Craig Proctor, Deputy Manager of Planning & Environmental Resources

Sushmitha Reddy, Manager of Laboratories

James Spears, Associate Engineer

Daniel Solorzano, Technology Specialist I

Yvonne Taylor, Acting Executive Assistant

Teresa Velarde, Manager of Internal Audit

Brian Wilson, Senior Engineer

Jeff Ziegenbein, Manager of Regional Compost Operations

OTHERS PRESENT

None

Committee Chair Michael Camacho called the meeting to order at 9:48 a.m. He stated that the meeting is being conducted virtually by video and audio conferencing. He added that there will be no public location available to attend the meeting; however, the public may participate and provide comments during the meeting by calling into the number provided on the agenda. He further added that the public may also view the meeting live through the Agency's website and gave instructions for emailing comments to be read into the record during the meeting. He then gave the public the opportunity to comment and provided instructions for unmuting the conference line.

There were no public comments received or additions to the agenda.

CONSENT ITEMS

The Committee:

- ♦ Approved the Engineering, Operations, and Water Resources Committee meeting minutes of July 8, 2020.
- Recommended that the Board:
 - Award Environmental Services Master Contracts to ESA, Rincon, and TDA for five-year contract terms (with the option for up to two, one-year time extensions) to provide as-needed environmental consulting services;
 - 2. Authorize the Master Contracts with an aggregate not-to-exceed amount of \$3,000,000; and
 - 3. Authorize the General Manager to approve, subject to non-substantive changes, and execute the Master Contracts;

as a Calendar Consent Item on the August 19, 2020 Board meeting agenda.

- ♠ Recommended that the Board:
 - 1. Award a contract and labor compliance services consultant contract for the RP-5 Expansion, Project Nos. EN19001 and EN19006, to Casamar Group for the not-to-exceed amount of \$720,462.52; and
 - 2. Authorize the General Manager to execute the contract, subject to non-substantive changes;

as a Calendar Consent Item on the August 19, 2020 Board meeting agenda.

- Recommended that the Board:
 - Award aggregate consultant contracts for Coating Inspection and Assessment to CSI Services and Harper and Associates Engineering for a total aggregate not-to-exceed amount of \$500,000 over a three-year period, with two, oneyear options to extend; and
 - 2. Authorize the General Manager to execute the aggregate consultant contracts, subject to non-substantive changes;

as a Calendar Consent Item on the August 19, 2020 Board meeting agenda.

Recommended that the Board:

- Award a consultant contract for the RP-1 Waste Wash Water Basin Pumps Replacement, Project No. EN20058, to Schuler Constructors in the amount of \$489,067; and
- 2. Authorize the General Manager to execute the contract, subject to non-substantive changes;

as a Calendar Consent Item on the August 19, 2020 Board meeting agenda.

Recommended that the Board:

- 1. Approve the award of Contract No. 4600002943 to JCE Equipment for the Turner Basins 1 & 2 Infiltration Restoration Services for a not-to-exceed amount of \$198,800; and
- 2. Approve the award of Contract No. 4600002944 to JCE Equipment for the Turner Basins 3 & 4 Infiltration Restoration Services for a not-to-exceed amount of \$152,500; and
- 3. Authorize the General Manager to execute the contracts, subject to non-substantive changes;

as a Calendar Consent Item on the August 19, 2020 Board meeting agenda.

Recommended that the Board:

- Award a professional consulting services contract amendment to WestWater Research in the amount of \$15,000, for a total not-to-exceed contract of \$30,000;
- 2. Authorize the General Manager to execute the contract amendment, subject to non-substantive changes;

as a Calendar Consent Item on the August 19, 2020 Board meeting agenda.

INFORMATION ITEMS

The following information items were presented or received and filed by the Committee:

- ♦ Fourth Quarter Planning & Environmental Resources Update
- ♦ Semi-Annual Laboratory Update
- Engineering and Construction Management Project Updates

GENERAL MANAGER'S COMMENTS

General Manager Shivaji Deshmukh stated that the BIA Baldy View Chapter's Southern California Water Conference, in which the Agency is a gold sponsor, will take place on Friday, August 14, 2020. General Manager Deshmukh stated that he will be participating as a speaker on the Recycled Water panel at 10:00 a.m. General Manager Deshmukh highlighted that the keynote speaker will be California Department of Natural Resources Secretary Wade Crowfoot and MWD General Manager Jeff Kightlinger will also be speaking.

Engineering, Operations, and Water Resources Committee August 12, 2020 Page 4

COMMITTEE MEMBER COMMENTS

There were no Committee member comments.

COMMITTEE MEMBER REQUESTED FUTURE AGENDA ITEMS

There were no Committee member requests for future agenda items.

With no further business, Committee Chair Camacho adjourned the meeting at 10:31 a.m.

Respectfully submitted,

Laura Mantilla Interim Board Secretary/Office Manager

*A Municipal Water District

APPROVED: SEPTEMBER 9, 2020

CONSENT ITEM 1B



Date: September 16, 2020

To: The Honorable Board of Directors From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources 09/09/20

Executive Contact: Christiana Daisy, Executive Manager of Engineering/AGM

Subject: Landscape Tune-up Program Contract Amendment

Executive Summary:

The Residential Landscape Tune-up Program provides landscape evaluations and minor sprinkler system repairs on residential sites with an existing irrigation system.

A request for proposal (RFP) was posted on PlanetBids on January 9, 2020 for the Residential Landscape Tune-up Program. An evaluation team comprised of Agency staff from the Planning and Environmental Resources department, along with representatives from Maureen Erbeznik & Associates, the City of Upland, Cucamonga Valley Water District, and Monte Vista Water District conducted a thorough review and evaluation of the three proposals received. The evaluation team agreed Conserv Construction, Inc. was the best qualified, and on February 20, 2020, the Inland Empire Utilities Agency (IEUA) entered into a contract agreement with Conserv Construction, Inc. for the Landscape Tune-up Program, for a not-to-exceed amount of \$200,000, consistent with IEUA Ordinance 108, Section 2.3.A.1.

Due to increased program activities above expectations, Conserv Construction, Inc. will soon reach the contract's not-to-exceed limit of \$200,000; therefore, staff's recommendation is to amend the existing contract to continue the program implementation.

Staff's Recommendation:

- 1. Award a contract amendment to Conserv Construction, Inc. for the Landscape Tune-up Program, for an additional amount of \$400,000, with two one-year extension options of \$200,000 each, increasing the contract from \$200,000 to a not-to-exceed amount of \$1,000,000 (80% increase); and
- 2. Authorize the General Manager to execute the contract amendment subject to non-substantive changes.

Budget Impact Budgeted (Y/N): Y Amendment (Y/N): N Amount for Requested Approval: \$800,000 Account/Project Name:

Fiscal Impact (explain if not budgeted):

The funds associated to this contract for Fiscal Year 2020/21 are budgeted under project WR21025 in the Water Resources Fund. For future fiscal years, this contract will be budgeted through the corresponding project in the Water Resources Fund.

Full account coding (internal AP purposes only): - - - Project No.:

| Prior | Board | Action |
|-------|-------|--------|
| None | | |

Environmental Determination:

Not Applicable

Business Goal:

The Landscape Tune-up Program is consistent with IEUA's Business Goal of increasing Water Reliability by promoting water use efficiency and education to enhance water supplies within the region in order to reduce dependence on imported water supplies.

Attachments:

Attachment 1 - PowerPoint

Attachment 2 - Contract Amendment

Board-Rec No.: 20209

Landscape Tune-up Program Contract Amendment

Board Meeting



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT







Background

- IEUA Residential Landscape Tune-up Program
 - Landscape and controller evaluations
 - Minor irrigation system repairs
 - Metropolitan Water District funding study partnership
 - Conserv dual-program participation discount



- Previous Landscape Tune-up Programs
 - SAWPA Smartscape Tune-up Program March 2019 July 2019
 - IEUA Landscape Tune-up Pilot Program July 2019 August 2019



Contractor Selection

- Request for proposal on January 9, 2020
- Three proposals received and reviewed by staff from
 - IEUA, Maureen Erbeznik & Associates, CVWD, MVWD, and the City of Upland

Contractors

Conserv Construction, Inc.

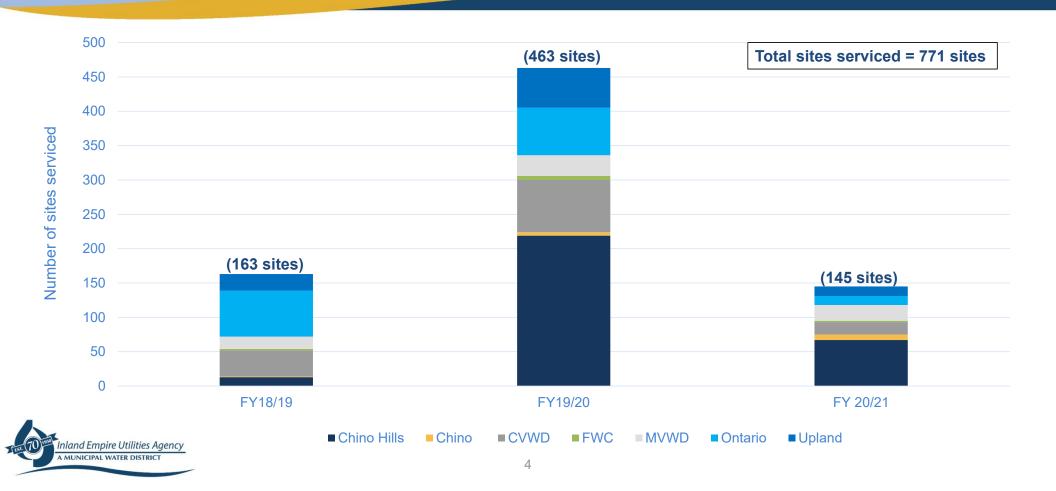
Master Landscape & Maintenance, Inc.

Ecotech Services, Inc.

- New Contract with Conserv Construction, Inc. on February 20, 2020
 - Not-to-exceed \$200,000 (IEUA Ordinance 108, Section 2.3.A.1)



Program Performance



Recommendation

- Award a contract amendment to Conserv Construction, Inc. for the Landscape Tune-up Program, for an additional amount of \$400,000, with two one-year extension options of \$200,000 each, increasing the contract from \$200,000 to a not-to-exceed amount of \$1,000,000 (80% increase); and
- Authorize the General Manager to execute the contract amendment subject to non-substantive changes.

The Landscape Tune-up Program is consistent with *IEUA's Business Goal* of increasing *Water Reliability* by promoting water use efficiency and education to enhance water supplies within the region in order to reduce dependence on imported water supplies.





CONTRACT AMENDMENT NUMBER: 4600002872-001 FOR CONTRACTOR SERVICES

LANDSCAPE TUNEUP PROGRAM

AMENDMENT NUMBER ONE is made and entered by and between the Inland Empire Utilities Agency (IEUA), a Municipal Water District, organized and existing in the County of San Bernardino under and by virtue of the laws of the State of California (hereinafter referred to as "Agency" or "IEUA"), and Conserv Construction, Inc., of Murrieta, California (hereinafter referred to as "Contractor"), and shall revise the Contract as amended:

SECTION 4. SCOPE OF WORK AND SERVICES is hereby amended to add the attachment ADDITIONAL SCOPE OF SERVICES to the existing Exhibit A attached hereto.

SECTION 5, TERM, IS REVISED TO READ AS FOLLOWS:

An additional term of this Contract shall extend from the date of the Notice to Proceed, and shall continue in effect through June 30, 2021, unless terminated as specified in section 20, (Termination for Convenience), or in the event the maximum amount of this Contract is exceeded as set forth in section 6.B. (Payment, Invoicing, and Compensation). Agency hereby reserves the right to exercise two (2) additional one-year optional extensions to the Contract term. In the event the Agency decides to exercise the Contract extension option provided for in this section, the Agency shall provide written notice to the Contractor through amendment, prior to expiration of the current contract term. If such option is exercised, the rates established within the fee schedule shall remain in effect unless amended in writing.

SECTION 6.B. PAYMENT, INVOICING, AND COMPENSATION, IS REVISED TO READ AS FOLLOWS:

B. Due to the significant increase in irrigation audits, An additional \$400,000 will be added to the total not-to-exceed compensation payable to the Contractor, such that the Contractor's total compensation for services rendered under this Agreement, as amended, shall not exceed the aggregate sum of \$600,000 for all services satisfactorily provided during the term of this Contract.

ALL OTHER PROVISIONS OF THIS CONTRACT REMAIN UNCHANGED

WITNESSETH, that the parties hereto have mutually covenanted and agreed as per the above amendment item, and in doing so have caused this document to become incorporated into the Contract Documents.

| *A MUNICIPAL WATER DISTRIC | | CONSERV CONSTRUCTION, INC.: | |
|---|--------|-----------------------------|-----------|
| | | Steve Complell | 8-25-2020 |
| Shivaji Deshmukh, P.E. General Manager | (Date) | Steve Campbell President | (Date) |



August 19, 2020

To: Pietro Cambiaso, Deputy Manager of Environmental Resources and Planning Inland Empire Utilities Agency 6075 Kimball Ave, Building A Chino, California 91708

From: Cynthia Campbell, Officer
Conserv Construction Inc.
26336 Arboretum Way, Suite 3701
Murrieta, CA 92563

www.conservinc.net

Contract Amendment for Regional Landscape Tune-up Program

Conserv Construction Inc. offers the following amendment to the Inland Empire Utilities Agency (IEUA) Contract #4600002872 dated February 20th, 2020.

As of the date of full execution of this amendment, Contractor shall deploy additional services to the scope of work to include the following:

- Conserv Construction Inc. will capture irrigable affected area for each residential site that has tune-up repairs performed at no extra cost to IEUA. Data will be collected starting July 1st, 2020.
- 2. Amend pricing proposal (see Exhibit B Amendment) to include high-efficiency spray nozzles and high-efficiency stream rotary nozzles beyond the program limit of twelve nozzles on sites greater than 0.25 acre. IEUA personnel to notify Conserv of new pricing proposal effective date.

All other provisions of this contract to remain unchanged.

Authorized Signature:

Cynthia Campbell

Conserv Construction Inc.

951-813-2110

Date

Exhibit A (per contract dated February 20th, 2020)

Proposal Pricing Information

All proposed fees are stated as NET-Price. This represents the total and final cost to the Agency for providing professional quality service for this program. This NET-Price includes all costs associated with all materials (i.e., administration, labor, equipment, transportation, overhead, profit, insurance, taxes, fees, incidentals, and any other related costs necessary to supply the services required).

Each site will include the following items:

- A. Landscape irrigation evaluation
- B. Check valves for proper operation, leaks, and faulty wire connections
- C. Turn on irrigation system to take note of broken pipes, broken sprinklers/nozzles, or over-spray
- D. Recommendation to customer of needed repairs and/or upgrades to enhance water efficiency
- E. Controller evaluation and reprogramming as necessary for efficiency (Weather-based units)
- F. Recommend new weather-based irrigation controller through the IEUA Large or Small Retrofit Program (Sites without weather-based units)
- G. Upon completion of above, evaluator to determine qualification into one of the following tiers:

Tier 1: Basic Tune-up Service - \$225 or \$150 (with WBIC discount)

Grease fitted wire nuts on all valves

Tier 2: Small Tune-up Service - \$350 or \$275 (with WBIC discount)

- Valve replacement (1 valve and new wiring)
- Sprinkler repair (raise, replace and/or adjust up to 6 pop-ups/nozzles)
- Repair of one minor lateral irrigation line break, up to 4 feet of existing PVC pipe (does not include breaks under concrete, asphalt, or heavily rooted area)
- Flushing and replacing drip irrigation couplers and emitters (up to 6)

Tier 3: Large Tune-up Service - \$450 or \$375 (with WBIC discount)

- Valve replacement (3 valves and new wiring)
- Sprinkler repair (raise, replace and/or adjust up to 12 pop-ups/nozzles)
- Repair of one minor lateral irrigation line break, up to 4 feet of existing PVC pipe (does not include breaks under concrete, asphalt, or heavily rooted area)
- Flushing and replacing drip irrigation couplers and emitters (up to 12)
- H. Provide resident with informative flyer on other potential water saving programs
- I. Provide customer a copy of the IEUA Hold Harmless and Release of Liability Form.
- J. Provide IEUA cloud-based originals for site Evaluation Form, Work Approval Form, Hold Harmless and Release of Liability Form, installer repair notes, before and after photos of repairs (signed by customer, evaluator, and installer).
- K. Provide IEUA a monthly invoice with cost of appropriate tier level provided to customer.
- L. Provide a \$75 Tune-up program discount for customers who take advantage of the Large or Small Retrofit program at the same time as irrigation tune-up
- M. Provide IEUA a 2% discount if invoice is paid within 15 day

Exhibit B - Amendment

Proposal Pricing Information

All proposed fees are stated as NET-Price. This represents the total and final cost to the Agency for providing professional quality service for this program. This NET-Price includes all costs associated with all materials (i.e., administration, labor, equipment, transportation, overhead, profit, insurance, taxes, fees, incidentals, and any other related costs necessary to supply the services required).

Each site will include the following items:

- A. Landscape irrigation evaluation
- B. Check valves for proper operation, leaks, and faulty wire connections
- C. Turn on irrigation system to take note of broken pipes, broken sprinklers/nozzles, or over-spray
- D. Recommendation to customer of needed repairs and/or upgrades to enhance water efficiency
- E. Controller evaluation and reprogramming as necessary for efficiency (Weather-based units)
- F. Recommend new weather-based irrigation controller through the IEUA Large or Small Retrofit Program (Sites without weather-based units)
- G. Upon completion of above, evaluator to determine qualification into one of the following tiers:

Tier 1: Basic Tune-up Service - \$225 or \$150 (with WBIC discount)

Grease fitted wire nuts on all valves

Tier 2: Small Tune-up Service - \$350 or \$275 (with WBIC discount)

- Valve replacement (1 valve and new wiring)
- Sprinkler repair (raise, replace and/or adjust up to 6 pop-ups/nozzles)
- Repair of one minor lateral irrigation line break, up to 4 feet of existing PVC pipe (does not include breaks under concrete, asphalt, or heavily rooted area)
- Flushing and replacing drip irrigation couplers and emitters (up to 6)

Tier 3: Large Tune-up Service - \$450 or \$375 (with WBIC discount)

- Valve replacement (3 valves and new wiring)
- Sprinkler repair (raise, replace and/or adjust up to 12 pop-ups/nozzles*)
- Repair of one minor lateral irrigation line break, up to 4 feet of existing PVC pipe (does not include breaks under concrete, asphalt, or heavily rooted area)
- Flushing and replacing drip irrigation couplers and emitters (up to 12)
- *Additional (beyond program limit of twelve) nozzles are permitted on sites that are 0.25 acre or greater. Additional nozzles to be invoiced as follows:
 - a. Rain Bird High-Efficiency Spray Nozzle at \$6.50 each
 - b. Rain Bird R-VAN High-Efficiency Stream Rotary Nozzle at \$10.00
- H. Provide resident with informative flyer on other potential water saving programs
- I. Provide customer a copy of the IEUA Hold Harmless and Release of Liability Form.

- J. Provide IEUA cloud-based originals for site Evaluation Form, Work Approval Form, Hold Harmless and Release of Liability Form, installer repair notes, before and after photos of repairs (signed by customer, evaluator, and installer).
- K. Provide IEUA a monthly invoice with cost of appropriate tier level provided to customer.
- L. Provide a \$75 Tune-up program discount for customers who take advantage of the Large or Small Retrofit program at the same time as irrigation tune-up
- M. Provide IEUA a 2% discount if invoice is paid within 15 day

CONSENT ITEM 1C



Date: September 16, 2020

To: The Honorable Board of Directors From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources 09/09/20

Executive Contact: Christiana Daisy, Executive Manager of Engineering/AGM

Subject: RP-5 Expansion Project Operations and Maintenance Resource Study Contract Award

Executive Summary:

The Regional Water Recycling Plant No. 5 (RP-5) Expansion Construction Contract was awarded by the Board of Directors in July 2020. During the bid phase of the project, (Inland Empire Utilities Agency (IEUA) staff determined that a professional firm would be required to evaluate current staffing and material costs in comparison to future needs of the RP-5 recycling plant as a result of the new solids treatment facility coming on line and completion of the liquids expansion portions of the project.

IEUA staff began procurement efforts to find such a qualified firm.

On May 26, 2020, IEUA released a Request for Proposals (RFP) for RP-5 Operations & Maintenance Resource Study services. On July 7, 2020, IEUA received four proposals in response to this RFP. A review committee consisting of IEUA staff and consultants reviewed the proposals based upon the selection criteria described in the RFP. Two firms were shortlisted for interviews, which were held the week of July 27th.Based on the firm's qualifications, experience, capability, and understanding of the scope, the committee unanimously selected CDM Smith as the most qualified consultant to perform the services. Staff is recommending CDM Smith consultant contract award for the not-to-exceed amount of \$270,000; staff originally budgeted \$300,000 for the study.

Staff's Recommendation:

- 1. Award an RP-5 Operations & Maintenance Resource Study services consultant contract for the RP-5 Expansion, Project Nos. EN19001.99 and EN19006.99, to CDM Smith for the not-to-exceed amount of \$270,000; and
- 3. Authorize the General Manager to execute the contract, subject to non-substantive changes.

Budget Impact Budgeted (Y/N): Y Amendment (Y/N): N Amount for Requested Approval:

Account/Project Name:

EN19001.99 - RP-5 Liquids Expansion to 22.5 MGD

EN19006.99 - RP-5 Biosolids Treatment Facility

Fiscal Impact (explain if not budgeted):

This contract is covered by fiscal year budget assigned to projects EN19001 and EN19006.

Full account coding (internal AP purposes only): 1000 - 127155 - 10900 - 595000 Project No.: EN19001.99/EN19006.99

Prior Board Action:

None.

Environmental Determination:

Program Environmental Impact Report (Finding of Consistency)

A Finding of Consistency with IEUA's Program Environmental Impact Report and a CEQA Plus evaluation for SRF Loan Funding have been completed.

Business Goal:

The RP-5 Expansion Project is consistent with IEUA's Business Goal of Wastewater Management, specifically the Water Quality objective that IEUA will ensure that systems are planned, constructed, and managed to protect public health, the environment, and meet anticipated regulatory requirements.

Attachments:

Attachment 1 - PowerPoint

Attachment 2 - Contract (Click to Download)

Board-Rec No.: 20202

RP-5 Expansion Project Operations and Maintenance Resource Study Contract Award

Project Nos. EN19001.99 and EN19006.99









Brian Wilson, P.E. September 2020

RP-5 Expansion Project Location



RP-5 Facility

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT



Solids Webcam



Consultant Services Scope

- Staffing Evaluation
- Evaluation of O&M Costs for Current vs Future
- Benchmarking with Peer Agencies
- Findings Workshops
- Draft Report
- Final Report





Consultant Selection

- 4 proposals received on July 7, 2020
 - Evaluation criteria for selection:
 - Organization, history, and reputation
 - Experience with similar studies
 - Capability to perform
 - Qualifications and experience of personnel
 - Thoroughness of Consultant's scope and realistic plan
- Interviews held week of July 27th
- CDM Smith was selected due to:
 - Qualifications and experience
 - Knowledgeable personnel with deep resources
 - Experience with similar resource studies
 - Similar plant sizes
 - Similar phase construction in operating plants



Proposals Received BridgeOne CDM Smith GHD Kennedy Jenks



Project Budget & Schedule EN19001 and EN19006

| Description | Estimated Cost |
|--|----------------|
| Design Services | \$26,406,753 |
| Construction Services | \$43,361,716 |
| Engineering Services During Construction | \$11,346,349 |
| Construction Management Services | \$22,625,523 |
| Other Construction Services | \$7,055,000 |
| O&M Resource Study (This Action) | \$270,000 |
| Contingency (5%) | \$2,064,844 |
| Construction | \$376,181,190 |
| RP-5 Expansion Bid | \$329,982,900 |
| Offsite Facilities Bid (estimate) | \$12,000,000 |
| Contingency (~10%) | \$34,198,290 |
| Total Project Cost: | \$445,949,659 |
| Total Project Budget: | \$450,000,000* |

| Project Milestone | Date |
|--------------------|----------------|
| O&M Resource Study | |
| Study Completion | March 15, 2021 |
| • | March 15, 2021 |

| Project Milestone | Date |
|---------------------------------|--------------|
| Construction | |
| Solids Facility Completion | January 2024 |
| Liquids Construction Completion | January 2025 |

^{*} Current approved Total Project Budget is \$398,709,289. The Total Project Budget will be increased to \$450,000,000 through the FY21/22 Ten-Year Forecast budgeting process.



Recommendation

nland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

- Award an RP-5 Operations & Maintenance Resource Study services consultant contract for the RP-5 Expansion, Project Nos. EN19001.99 and EN19006.99, to CDM Smith for the not-to-exceed amount of \$270,000; and
- Authorize the General Manager to execute the contract, subject to non-substantive changes.

The RP-5 Liquids Treatment Expansion Project is consistent with *IEUA's Business Goal of Wastewater Management,* specifically the Water Quality objective that IEUA will ensure that systems are planned, constructed, and managed to protect public health, the environment, and meet anticipated regulatory requirements.

RP-5 Operations & Maintenance Resource Study

Questions?



CONSENT ITEM 1D



Date: September 16, 2020

To: The Honorable Board of Directors From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources 09/09/20

Executive Contact: Christiana Daisy, Executive Manager of Engineering/AGM

Subject: NRW East End Flow Meter Replacement SoCalGas Line Relocation

Executive Summary:

The existing non-reclaimable water (NRW) Parshall flume was originally installed in 1967. The flume measures the discharged NRW wastewater flows from Inland Empire Utilities Agency (IEUA) customers to the Los Angeles County Sanitation District (LACSD) for processing. IEUA pays fees based on the NRW flow and quality. The existing Parshall flume does not measure the flow to LACSD accurately. The project scope includes installing a new magnetic flow meter and two new access vaults, which will increase the accuracy of the flow measurement and safety of personnel.

Information received from SoCalGas indicated an existing 2" gas line running in a straight line from East to West. During potholing the contractor discovered the existing 2" gas line is not where indicated and conflicts with our project. This line will need to be relocated to accommodate the proposed location of the diversion structures as well as facilitate installation of the shoring system required for these structures. Staff is recommending to execute the agreement with SoCalGas in the amount of \$129,484.17 to relocate the conflicting 2" gas line.

Staff's Recommendation:

1. Authorize the General Manager to execute the collectible work agreement with SoCalGas, subject to non-substantive changes, in the amount of \$129,484.17.

 $\textbf{Budget Impact} \ \ \textit{Budgeted} \ \textit{(Y/N):} \ \textit{Y} \quad \textit{Amendment (Y/N):} \ \textit{N} \quad \textit{Amount for Requested Approval:}$

Account/Project Name:

EN22002/NRW East End Flow Meter Replacement

Fiscal Impact (explain if not budgeted):

None.

Prior Board Action:

On April 15, 2020, the Board of Directors awarded a construction contract for the NRW East End Flow Meter Replacement Project, No. EN22002, to SCW Contracting Corp., in the amount of \$2,307,674;

Environmental Determination:

Categorical Exemption

CEQA identifies certain categories of projects as exempt from more detailed environmental review because these categories have been deemed to have no potential for significant impact on the environment. This project qualifies for a Categorical Exemption Class 1 as defined in Section 15301 of the State CEQA Guidelines.

Business Goal:

The NRW East End Flow Meter Replacement Project is consistent with IEUA's Business Goal of Wastewater Management specifically the Asset Management objective that IEUA will ensure the regional sewer system and treatment facilities are well maintained, upgraded to meet evolving requirements, sustainably managed, and can accommodate changes in regional water use.

Attachments:

Attachment 1 - PowerPoint

Attachment 2 - Gas Company Collectible Work Agreement

Board-Rec No.: 20207

NRW East End Flow Meter SoCalGas Line Relocation

Project No. EN22002









Josh Biesiada, CCM September 2020

Project Location



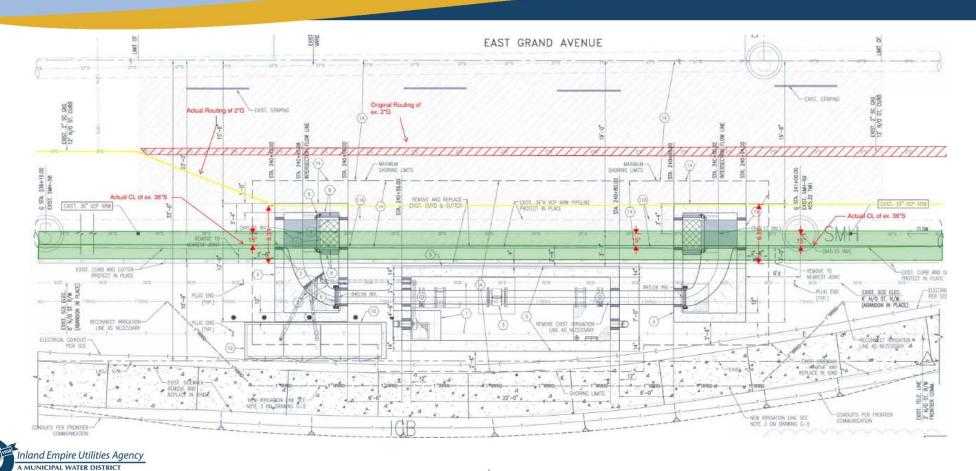


Potholing for Existing Utilities





SoCalGas Line Alignment



Project Budget and Schedule

| Description | Estimated Cost |
|--|----------------|
| Design Services | \$378,200 |
| Design Consultant Contract | \$213,554 |
| Design Consultant Amendments 1 & 2 | \$18,590 |
| IEUA Design Services (actuals) | \$146,056 |
| Construction Services | \$321,181 |
| Engineering Services During Construction | \$44,260 |
| IEUA Construction Services (~12%) | \$276,921 |
| SoCalGas Line Relocation | \$129,484 |
| Construction | \$2,653,825 |
| Construction Contract (this action) | \$2,307,674 |
| Contingency (~10%) | \$346,151 |
| Total Project Costs | \$3,482,690 |
| Current Total Project Budget: | \$3,600,000 |

| Project Milestone | Date |
|-----------------------------|------------|
| Construction | |
| Construction Contract Award | April 2020 |
| Construction Completion | April 2021 |



Recommendation

 Authorize the General Manager to execute the collectible work agreement with SoCalGas, subject to non-substantive changes, in the amount of \$129,484.17.

The NRW East End Flow Meter Project is consistent with *IEUA's Business Goal of Wastewater Management*, specifically the Asset Management objective that IEUA will ensure the regional sewer system and treatment facilities are well maintained, upgraded to meet evolving requirements, sustainably managed, and can accommodate changes in regional water use.



SOUTHERN CALIFORNIA GAS COMPANY COLLECTIBLE WORK AUTHORIZATION

Notification # 2041690269 MCU Order # 000005418199-0005 Date Prepared 2020-08-17 Design # 70737297 Estimate Prepared By ML SC8362 Phone # 9093357508 David Castellanos 57399 Billing Name and Address, If Different **Purchaser Name and Job Address INLAND EMPIRE UTILITIES AGENCY** INLAND EMPIRE UTILITIES AGENCY Name Name Address E. GRAND AVENUE Address PO BOX 9020 POMONA State CA Zip 91766 CHINO HILLS State CA Zip 91709 City City 909-270-0133 Phone # 909-270-0133 Phone # Or Federal Tax ID # 95-6004609 Purchaser's SS# Purchaser requests and authorizes The Gas Company to perform the following work: REPLACE 4.5' OF 2" STEEL MAIN AND 77' OF PEM AND REPLACE WITH 87' OF NEW 2" PEM AT THE INTERSECTION OF GRAND AVENUE AND CHICO AVENUE IN POMONA DUE TO INLAND EMPIRE UTILITIES AGENCY'S SEWER FLOW METER INSTALLATION. INLAND EMPIRE UTILITIES AGENCY PROJECT NO. EN22002 TOTAL THIRD TOTAL TOTAL **TOTAL PARTYCHARGES PAVING TOTAL** SUBTOTAL **ITCCA COMPANY MATERIALS** (Including PERMIT, **ESTIMATES LABOR** Contractor Labor) & OTHER \$ 129.479.53 \$ 4.763.32 \$ 83.061.84 \$ 3.083.11 \$ 104,475,25 \$ 25.004.28 \$ 13,566.98 Purchaser agrees to pay The Gas Company the actual cost - the estimated amount is due and payable in advance and any additional balance within 30 days of invoice. The estimated cost of the Work is furnished only for the convenience of the Purchaser. It is intended to reflect The Gas Company's general past experience of the cost of similar work under favorable conditions. Because of unforeseen contingencies and other factors, the actual cost may be considerably higher or lower than this estimate. Therefore, the estimate is not a warranty by The Gas Company of the actual cost. The actual cost shall include overhead costs contained in The Gas Company's appropriate billing formula. Purchaser agrees to pay within 30 days of invoice any additional amounts whenever The Gas Company determines the cost of Work completed exceeds any amounts previously paid. When labor costs exceed the estimate, The Gas Company may, but is not obligated to notify Purchaser, and cease all Work until approval for the increased cost is obtained from Purchaser. If the total actual cost is less than the deposit(s), The Gas Company will refund the difference (without interest). Purchaser agrees that if The Gas Company brings any action to enforce the provisions of this Agreement, it shall be entitled to recover its attorney's fees and costs, in addition to any other relief to which it is entitled. Purchaser agrees that any excavation made by Purchaser that is to be entered by Gas Company employees, agents or subcontractors shall conform to all requirements of the State of California construction safety orders, particularly the provisions of Article 6, Sections 1539 through 1547, which relate to the safe construction of trenches and excavations. Purchaser further agrees to take all reasonable care in protecting The Gas Company's property from damage, including the use of procedures which will not place any undue strain on pipes during excavation and backfill or cause damage to pipe protective coatings. Purchaser shall indemnify, defend and hold harmless The Gas Company from and against any and all liability of every kind and nature for - (i) injury to or death of persons, including without limitation, employees or agents of The Gas Company or of Purchaser; (ii) damage, destruction or loss, consequential or otherwise, to or of any and all property, real or personal, including without limitation, property of The Gas Company, Purchaser or any other person; (iii) violation of local, state or federal laws or regulations (excluding environmental laws or regulations); and (iv) including attorney's fees incurred in defending against such liability or enforcing this provision - resulting from or in any manner arising out of or in connection with the performance of the Work including the indemnity obligations imposed on The Gas Company by the owner of the Job Address if other than Purchaser, by the local jurisdiction in which the Work is performed or which issues a permit for any part of the Work, excepting only those liabilities arising from the sole negligence or willful misconduct of The Gas Company or its agents compared to any other person. Purchaser shall indemnify, defend and hold The Gas Company harmless from and against any and all liability (including attorney's fees incurred in defending against such liability or in enforcing this provision) arising out of or in any way connected with the violation of or compliance with any local, state or federal environmental law or regulation as a result of pre-existing conditions at the Job Address, release or spill of any pre-existing hazardous materials or waste, or out of the management and disposal of any pre-existing contaminated soils or groundwater, hazardous or non-hazardous, removed from the ground as a result of the Work ("Pre-Existing Environmental Liability"), including but not limited to liability for the costs, expenses and legal liability for the environmental investigations, monitoring, containment, abatement, removal, repair, cleanup, restoration, remedial work, penalties, and fines arising from the violation of any local, state or federal law or regulation, attorney's fees, disbursements, and other response costs. As between Purchaser and The Gas Company, Purchaser agrees to accept full responsibility for and bear all costs associated with Pre-Existing Environmental Liability. Purchaser agrees that The Gas Company may stop Work, terminate the Work, redesign it to a different location or take other action reasonably necessary to complete the Work without incurring any Pre-Existing Environmentally Liability PURCHASER ____ AGREED AND ACCEPTED (NAME OF COMPANY) THE GAS COMPANY BY NAME(PRINT) PURCHASER OR AUTHORIZED REPRESENTATIVE(PRINT) TITLE SIGNATURE SIGNATURE OF PURCHASER OR AUTHORIZED REPRESENTATIVE

PAYMENT INFORMATION

CASH

BY(NAME OF EMPLOYEE):

CHECK

AMOUNT RECEIVED

DATE PAYMENT TURNED IN:

PAYMENT TURNED IN AT:

CHECK#



Southern California Gas Company 1981 W. Lugonia Ave. Redlands, CA 92374

> Mailing Address: PO Box 3003 Redlands, CA 92373-0306

Inland Empire Utilities Agency Attn: Project No. EN22002 P.O. Box 9020 Chino Hills, CA 91709

Re: Agreement for Collectible Work – Work Authorization Notification # 2041690269 MCU #000005418199-0005

Enclosed are three (3) copies of our Contract for estimated cost. Please sign and return all three copies of the agreement (one original and two copies) to:

Southern California Gas Company Attn: David Castellanos 1981 West Lugonia Avenue, ML 8031 Redlands, CA 92374-9796

We will return a completed copy, signed and accepted by our Company representative, for your file.

Make your check for the deposit payable to: <u>The Gas Company</u>, in the amount of \$129,479.53 and note the MCU number on the check. Please keep in mind this is the planned estimate cost for the project. Mail the check payment and remittance form to:

Sundry Billing Southern California Gas Company P.O. Box 2007 Monterey Park, CA 91754-0957.

Final billing will be for the actual costs of the work performed. If you have any questions regarding this project, please call David Castellanos at (909) 335-7508.

Sincerely,

Peter Quintana

Lead Technical Services Supervisor

Remittance Advice Instructions

Purpose:

This form should be used when billing a third party customer on a collectible capital project, e.g. relocating mains for Cal-Trans.

Instructions:

- 1 Complete all the required information to the following tabs:
 - a. Form
 - b. Plant
 - c. Abandon
 - d. O&M
 - e. Coll Auth
- 2 Click on the appropriate business area.
- 3 Print and provide the remittance form along with the Collectible Authorization Form to the customer for payment remittance.

| Southern California | NOTIFICATION #: | 002041690269 |
|--|---|--|
| Gas Company | BUSINESS AREA: | ☑ 2010 Distribution ☐ 2020 Transmission |
| A Sempra Energy utility® | CONTACT: | David Castellanos 57399 |
| | DESIGN #: | 70737297 |
| BILL TO: INLAND EMPIRE UTILITIES AGENC | CY MCU ORDER #: | 000005418199-0005 |
| E. GRAND AVENUE | SAP COST CENTER | R: 2200-0450 |
| POMONA CA 91766 | COST ELEMENT: | 6350710 |
| Return this form when mailing payment | DATE PREPARED: | August 17, 2020 |
| | | |
| MAIL TO: Southern California Gas Company Sundry Billing | TOTAL AMOUNT DUE | \$ 129,479.53 |
| P.O. Box 2007 Monterey Park, CA 91754-0957 | Make checks payable Include internal order | e to Southern California Gas Company and number on check |

PLEASE MAKE TIMELY PAYMENT TO AVOID DELAYS IN JOB SCHEDULE

Include internal order number on check

ACTION ITEM 2A



Date: September 16, 2020

To: The Honorable Board of Directors From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources 09/09/20

Finance & Administration 09/09/20

Executive Contact: Christiana Daisy, Executive Manager of Engineering/AGM

Subject: Collection System Assessment and Optimization Service Contract Award

Executive Summary:

In 2019, IEUA developed an Enterprising Asset Management Strategy (EAMS) which provides a foundation from which the Agency can develop its Asset Management Program. The EAMS has three major initiatives: Enhance asset data capture to support decision making, develop a risk management framework to guide business effectiveness, and tailor existing technologies/tools to support asset management best practices. The Collection System Condition Assessment and Optimization Services implements the agency wide initiatives from the EAMS. The contract scope will conduct a sewer system assessment, inspection and cleaning of 41 siphons and a force main to gather much needed data of critical assets. It will also develop a sewer system maintenance optimization plan to enhance planning and decision making in a cost-effective manner. A request for proposal was posted on PlanetBids in December 2019. The Agency received four responses on April 30, 2020 from the following firms: Brown and Caldwell, CDM Smith, Inc., HDR Engineering, and V&A Consulting Engineers. A review committee which consisted of Engineering, Contracts and Procurement, and Maintenance staff found CDM Smith to be the best qualified based on the team's experience and success with similar type work. Additionally, IEUA staff is requesting an augmentation of the total project budget of EN19024 from \$1,250,000 to \$2,800,000 (224% increase) to align with TYF.

Staff's Recommendation:

- 1. Award a service contract for the Condition Assessment and Optimization of the Collection System, Project Nos. EN19024 & EN19028, to CDM Smith for a not-to-exceed amount of \$2,910,909;
- 2. Approve total project budget amendment in the RO Fund, Project No. EN19024 from \$1,250,000 to \$2,800,000, an increase of \$1,550,000; and
- 3. Authorize the General Manager to execute the contract, subject to non-substantive changes.

Budget Impact Budgeted (Y/N): Y Amendment (Y/N): Y Amount for Requested Approval:

Account/Project Name:

EN19024/Regional System Asset Management EN19028/NRW Manhole and Pipeline

Fiscal Impact (explain if not budgeted):

The Condition Assessment and Optimization of the Collection System, Project Nos. EN19024 and EN19028 costs are supported in the FY 20/21 and FY 21/22 budgets in the Ten Year Forecast.

Prior Board Action:

None.

Environmental Determination:

Statutory Exemption

CEQA exempts a variety of projects from compliance with the statute. This project qualifies for a Statutory Exemption as defined in Section 15262 of the State CEQA Guidelines. When the project will be implemented will be subject to future environmental evaluation.

Business Goal:

The Collection System Condition Assessment and Optimization Service Contract award is consistent with the IEUA's Business Goal of Wastewater Management, specifically the Asset Management and Water Quality objectives, that IEUA will ensure that systems are well maintained, upgraded to meet evolving requirements, sustainably managed, and accommodate changes in regional water use to protect public health, the environment, and meet anticipated regulatory requirements.

Attachments:

Attachment 1- PowerPoint

Attachment 2 - Service Contract (Click to Download)

Board-Rec No.: 20206

Collection System Condition Assessment and Optimization Service Contract Award



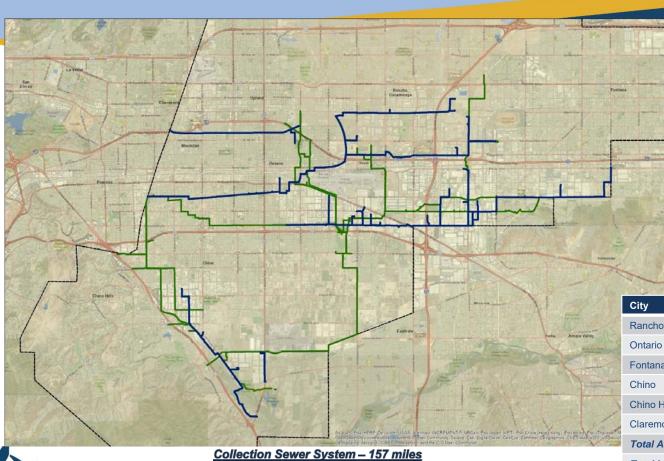






Joel Ignacio, P.E. September 2020

Project Overview/Location



Brine Sewer System (BSS)

Regional Sewer System (RSS) -

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Collection Sewer System

Brine Sewer System Regional Sewer System

Collection Sewer System

- Two independent sewer systems
- Regional Sewer System
- Brine Sewer System

| City | BSS – Siphons | RSS – Siphons | RSS - Forcemain |
|------------------------|---------------|---------------|-----------------|
| Rancho Cucamonga | 4 | - | - |
| Ontario | 5 | 10 | 1 |
| Fontana | 3 | 4 | - |
| Chino | 1 | 14 | - |
| Chino Hills | - | - | - |
| Claremont | - | - | - |
| Total Assets | 14 | 28 | 1 |
| Total Length of Assets | 4,745 feet | 9,601 feet | 4,535 feet |

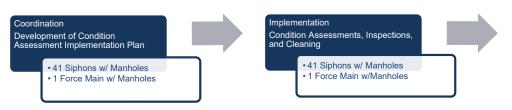
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Project Goals/Objectives

- Goals
 - Enhance Asset Data
 - Develop risk management framework
 - Support asset management best practices
- Objectives
 - Conduct assessment, inspection and cleaning
 - Develop maintenance optimization plan



NRW North System South Trunk Pipe – Identified Damage Several Years Ago



Available Data and Information

 Available IEUA Condition
 Assessment and CCTV data for Gravity Mains
 Available Sewer System Hydraulic Model
 Available Sewer System GIS

database and GraniteXP database

Optimization
Collection System Enhanced
Management Program

- Sewer System Condition
 Assessment
- Sewer System Maintenance Optimization Plan
- Best Management Practices
- QA/QC Program
- Tactical Asset Management Plan with Prioritization of Capital Improvements



Consultant Selection

- Evaluation and selection committee
 - Engineering, Contracts and Procurement, and Maintenance
- Four proposals received on April 30, 2020

Proposals Received

CDM Smith, Inc.

HDR Engineering, Inc.

V&A Consulting Engineers, Inc.

Brown and Caldwell

- Justification for unanimously selecting CDM Smith
 - Highly experienced firm and sub-contracting team
 - Successfully implemented similar projects with other agencies



Past Cleaning Efforts by IEUA's Collection Teams



Project Budget and Schedule

| Description | Projected Cost |
|--|----------------|
| Project Management/Admin Support | \$72,359 |
| Project Management Support | \$59,436 |
| Administrative Support | \$12,923 |
| Inspection/Inter-Departmental Support | \$152,395 |
| Inspection Support | \$62,987 |
| Inter-Departmental Support | \$89,408 |
| Engineering Consulting Support | \$75,000 |
| Engineering Consultant (GHD Contract) | \$75,000 |
| Service Contract (this action) | \$2,910,909 |
| Condition Assessment - Field Work | \$2,037,756 |
| Planning/Optimization | \$873,153 |
| Projected Total: | \$3,210,663 |
| 75% of Projected Total charged to EN19024 for RSS Assets | \$2,407,997 |
| 25% of Projected Total charged to EN19028 for BSS Assets | \$802,666 |
| EN19028 Total Project Budget (current): | \$915,000 |
| EN19024 Total Project Budget (current): | \$1,250,000 |
| Total Project Budget Augmentation to EN19024 | \$1,550,000 |
| EN19024 Total Project Budget (revised): | \$2,800,000 |

| Date |
|----------------|
| |
| September 2021 |
| September 2022 |
| |



Recommendation

nland Empire Utilities Agency
MUNICIPAL WATER DISTRICT

- Award a service contract for the Condition Assessment and Optimization of the Collection System,
 Project Nos. EN19024 & EN19028, to CDM Smith for a not-to-exceed amount of \$2,910,909;
- Approve total project budget amendment in the RO Fund, Project No. EN19024 from \$1,250,000 to \$2,800,000, an increase of \$1,550,000; and
- Authorize the General Manager to execute the contract, subject to non-substantive changes.

The Collection System Condition Assessment and Optimization Service Contract award is consistent with *the IEUA's Business Goal of Wastewater Management*, specifically the Asset Management and Water Quality objectives, that IEUA will ensure that systems are well maintained, upgraded to meet evolving requirements, sustainably managed, and accommodate changes in regional water use to protect public health, the environment, and meet anticipated regulatory requirements.

ACTION ITEM 2B



Date: September 16, 2020

To: The Honorable Board of Directors From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources 09/09/20

Finance & Administration 09/09/20

Executive Contact: Christiana Daisy, Executive Manager of Engineering/AGM

Subject: South Archibald Plume Cleanup - Prop 1 Scope Amendment Application

Executive Summary:

In March 2019, Inland Empire Utilities Agency (IEUA) entered into a Proposition 1 grant agreement with the State Water Resources Control Board (SWRCB) for \$11.4 million in funding to implement the South Archibald Plume Cleanup Project ("the Project"). IEUA has acted as the lead funding entity while CDA has acted as the lead contract entity to implement the cleanup efforts. Following the grant award, IEUA has discussed the Project design with the SWRCB and the Santa Ana Regional Water Quality Control Board (SARWQCB) as part of a technical advisory committee per the grant requirements. As the work progressed, two additional monitoring wells and sampling of four new constituents of concern were requested by the SARWQCB. The additional cost for this work is estimated at \$1.5 million.

Staff requests the Board authorize increasing the budget by \$1.5 million to fund this additional cost. If approved, the grant will offset the additional project costs by 50 percent. The remaining 50 percent of the project costs are expected to be covered by federal or state grant funds.

Staff's Recommendation:

1. Authorize a budget amendment of \$1.5 million to the TCE Plume Cleanup Project which is expected to be funded by grant funds.

Budget Impact Budgeted (Y/N): Y Amendment (Y/N): Y Amount for Requested Approval: \$ 1,500,000 Account/Project Name:

EN16021/South Archibald Plume Cleanup

Fiscal Impact (explain if not budgeted):

The \$1.5 million budget amendment is anticipated to be offset by additional federal or state grant funds.

Prior Board Action:

Board Authorized the General Manager to sign the agreement 06-17-2015 to sign the settlement agreement.

Environmental Determination:

Addendum to

An addendum to the Negative Declaration was prepared since the proposed project impacts fall within the scope of the previously adopted Chino Desalter 3 Expansion Project.

Business Goal:

This South Archibald Plume Cleanup Project is consistent with IEUA's Business Goal of Environmental stewardship by enhancing and promoting environmental sustainability and the preservation of the region's heritage.

Attachments:

Attachment 1 - PowerPoint

Board-Rec No.: 20204

South Archibald Plume Cleanup Scope Amendment







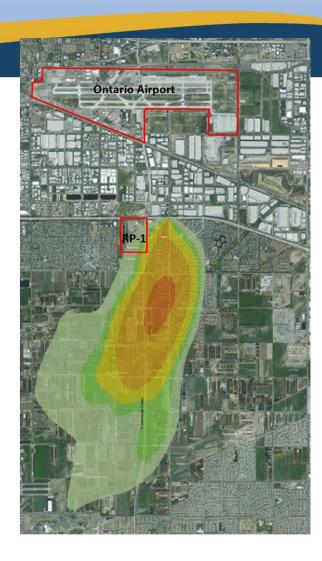


Jerry Burke, P.E. September 2020

Background

- First identified in 1986 by MWD sampling.
- Regional Board (RWQCB) began source investigation
- Located Between 60 Freeway and Kimball Avenue
- Trichloroethylene (TCE) Detected in Private Wells
- TCE used as Metals Degreaser and Cleaning Solvent from 1940s – 1970s
- RWQCB identified former Ontario Airport tenants may have used TCE
- Wastewater discharged by tenants treated at RP-1





Project Summary

- SARWQCB Cleanup and Abatement Order (CAO): Sept 23, 2016
- SWRCB Prop 1 Grant Funding Agreement: Executed March 7, 2019
- Project Completion Schedule: March 2021
- Construct:
 - Production Well II-12
 - Three Monitoring Wells
 - Raw Water Transmission Pipeline
 - Chino II Desalter Decarbonators
 Modifications





Production Well II-12

Well Drilling

- Southwest Pump & Drilling awarded contract on March 5, 2020.
- Drilling underway. Well design approved by State and DDW.
- Well construction completed in August 2020 currently in start up.





Raw Water Pipeline

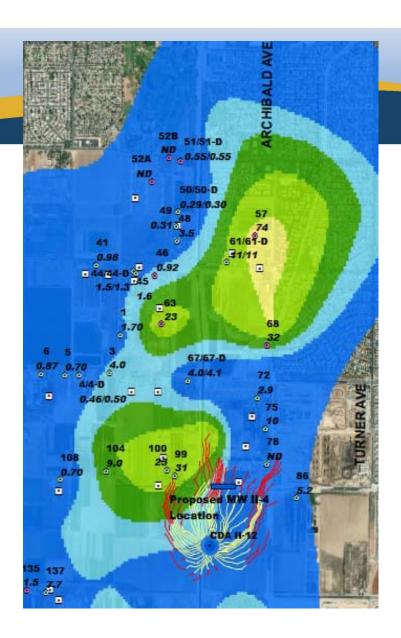
- Approximately four miles of pipeline (12-inch, 18-inch, and 24-inch diameter).
- Three Construction Contracts
 - Construction Contract #1: Complete
 - Construction Contract #2: In pre-construction
 - Within Cities of Eastvale and Jurupa Valley, Including Caltrans Crossing
 - Easements for Caltrans crossing signed and in escrow.
 - Estimated construction completion: February 2021
 - Working with Jurupa Valley and SCE to coordinate alignment in southerly portion of Wineville Avenue and Bellegrave Avenue
 - Construction Contract #3: In construction
 - Work within development between Archibald and Well II-12
 - Estimated construction completion: October 2020



Additional Scope

- Additional Monitoring Requested by SARWQCB
 - Wells downgradient and to east and west to verify extent of plume and removal effectiveness
 - Additional constituents to be monitored: 1,2,3-TCP (low detection), 1,4-dioxane, hexavalent chromium, perchlorate
 - Discussions regarding additional funding initiated with SWRCB
 - 2-years for design and construction





Current Budget/Funding Overview

| Project Description | Project Budget | CDA Share | IEUA/Ontario/Upland Share |
|--|----------------|-------------|---------------------------|
| Well II-2 (Design/Land Acquisition/Construction) | \$4,153,436 | \$3,863,436 | \$290,000 |
| Monitoring Well (3 MW Design/Construction) | \$1,226,054 | \$0 | \$1,226,054 |
| Modification to CDA RWI Pipeline (Design/Construction) | \$664,578 | \$0 | \$664,578 |
| Plume Pipeline (Design/land Acquisition/3 Construction Phases) | \$12,542,386 | \$0 | \$12,542,386 |
| Chino 2 Desalter Decarbonator Modifications (Design/Construction) | \$3,052,712 | \$0 | \$3,052,712 |
| Project Support (Project Management, Environmental, Compliance, Permits, Staff Support) | \$1,207,019 | \$0 | \$1,207,019 |
| Construction Support (Construction Management, Survey, Testing, Labor Compliance) | \$2,352,786 | \$375,998 | \$1,976,788 |
| Project Contingencies (20%) | \$5,039,794 | \$847,887 | \$4,191,907 |
| Total | \$30,238,765 | \$5,087,321 | \$25,151,444 |

| Funding | Projected Cost |
|--|----------------|
| USBR Title XVI Grant | \$5,600,000 |
| SWRCB Prop 1 Grant | \$11,400,000 |
| US Government Contribution | \$1,100,000 |
| ABGL Contribution (Aerojet, Boeing, General Electric, Lockheed Martin) | \$1,400,000 |
| USBR Title XVI Grant | \$2,500,000 |
| USBR Title XVI Grant | \$4,200,000 |
| Total | \$26,200,000 |



IEUA/Ontario/Upland share remain within available project funding

Recommendation

 Authorize a budget amendment of \$1.5 million to the TCE Plume Cleanup Project which is expected to be funded by grant funds.

The Archibald Plume Cleanup Project is consistent with *IEUA's Business Goal of Environmental Stewardship* by enhancing and promoting environmental sustainability and the preservation of the region's heritage.



INFORMATION ITEM 3A

RP-5 Expansion Project Update: August 2020 Project Nos. EN19001 and EN19006



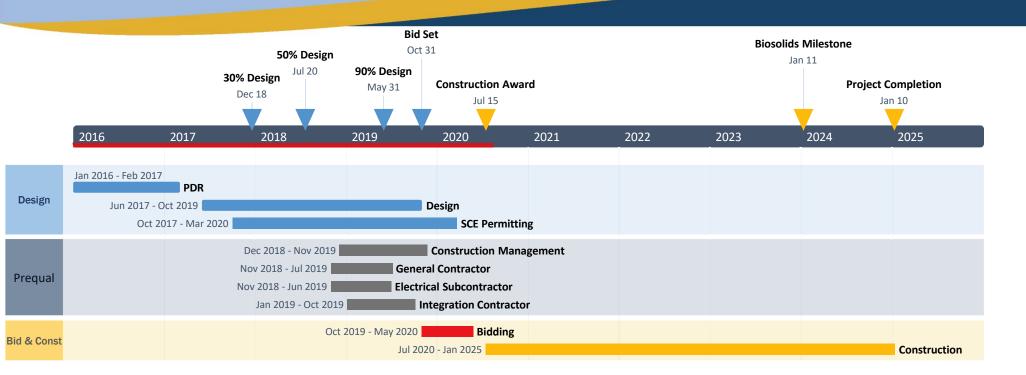






Brian Wilson, P.E. CCM September 2020

RP5: Project Schedule Overview





RP-5:Project Status

| Role | Firm | Contract | Payments | % Complete |
|----------------------------|----------|---------------|--------------|------------|
| Contractor | WM Lyles | \$329,982,900 | \$ 0 | 0% |
| Designer | Parsons | \$31,685,239 | \$22,158,229 | 70% |
| Construction Management | Arcadis | \$21,125,523 | \$1,447,534 | 7% |
| Total | | \$382,793,662 | \$23,605,763 | 6% |

| | Award | Duration | Completion | % Complete |
|--------------------------|---------|----------|------------|------------|
| Construction Schedule | 7/15/20 | 1640 | 1/10/2025 | 2% |

^{*} Data as of 8/15/20



RP-5: Major Activities

WM Lyles:

- Bonds and Insurance
- Preliminary Baseline Schedule
- Storm Water Prevention Plan
- Submittals
- Subcontracts
- Procurement contracts
- Grading for trailers & parking
- Trailer mobilization



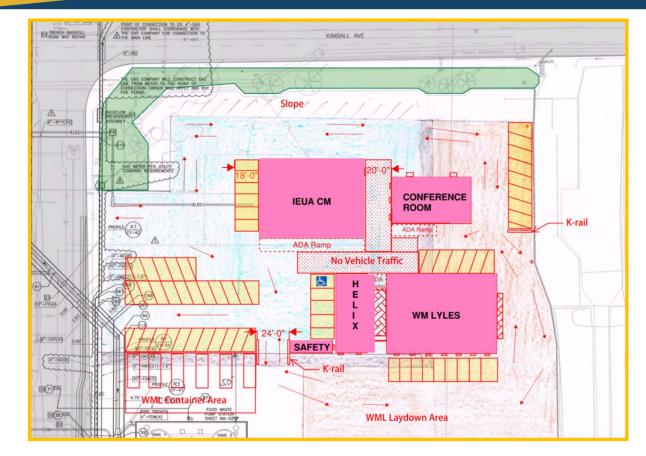
Grading for trailers & parking

Construction Start: Approx. November



RP-5: Construction Trailer Complex

- North east corner of RP-5
- Trailers
- IEUA CM
 - Conference Room
 - WM Lyles Staff
 - WM Lyles Safety
 - Helix (Electrical Subcontractor)





RP-5: WM Lyles Construction Trailers





RP-5: Photo Documentation

- ✓ 2 Live-streaming Webcams
- √ Web-based User Platform
- ✓ Initial Photo Documentation
- ✓ Monthly Photo Documentation
- ✓ Initial Video Site Survey
- Quarterly Video Documentation
- Underground Utility Progression
- Final Photo & Video Site Survey







RP-5: Photo Documentation - Webcams





RP-5 Expansion, Project No. EN 19001

HOME PHOTOS

FLOORPLANS -

WEBCAMS

FILES

VIDEOS

PEOPLE

Webcams



RP-5 Expansion, Project No. EN 19001 - Camera 1



RP-5 Expansion, Project No. EN 19001 - Camera 2



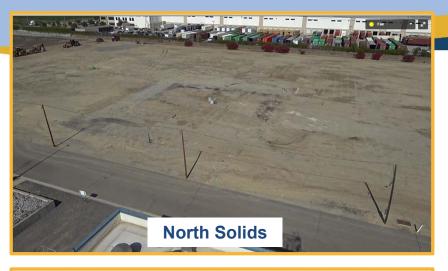
RP-5: Photo Documentation - Webcams

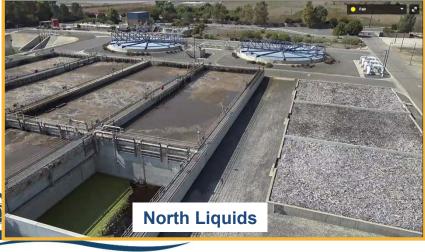




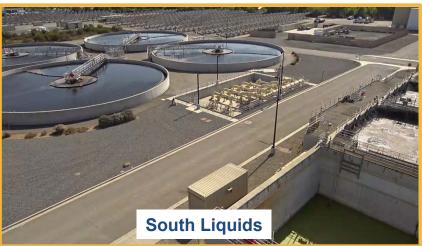


RP-5: Photo Documentation - Webcams









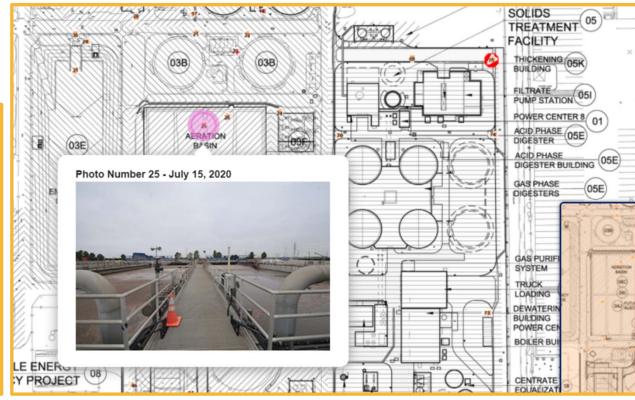
RP-5: Photo Documentation - Site Survey

√ Initial & Monthly Photos

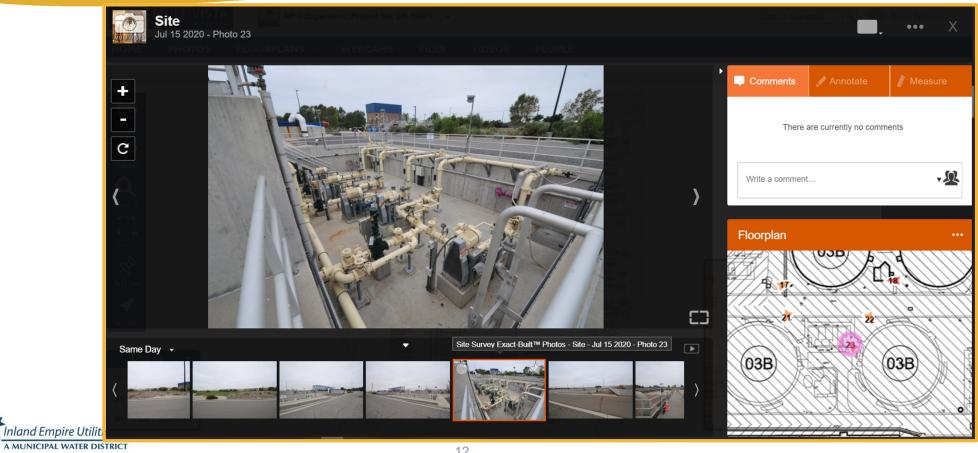
- Same location each month
- Progression of work
- 360 degree view

Inland Empire Utilitie



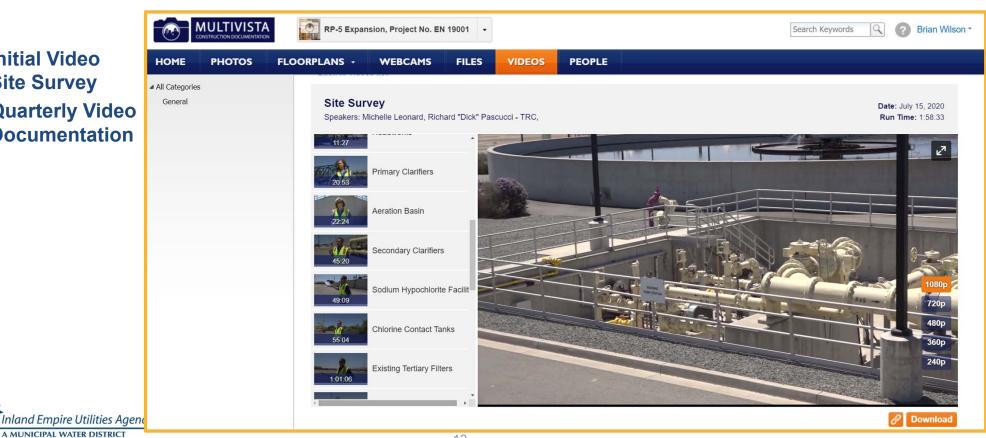


RP-5: Photo Documentation - Site Survey



RP-5: Photo Documentation - Site Survey Video

- **Initial Video Site Survey**
- **Quarterly Video Documentation**



RP-5: Burrowing Owl and Nesting Survey

- 4 Site surveys 21 days apart
 - June through August
- Completed August 27
 - No active owls or nests
- Nesting season ended August 31st
- No impact to Construction

Western Burrowing Owl

- Potential Burrow (Nesting Potential)
- O Artificial Burrow (Nesting Potential)
- Ollapsed Artificial Burrow (No Nesting Potential)
- Debris/Infrastructure (Nesting Potential)

Bird Nest

- ▲ Least Bell's vireo ACTIVE
- Cliff Swallow Inactive
- Unknown Raptor Inactive
- 500-ft Buffer





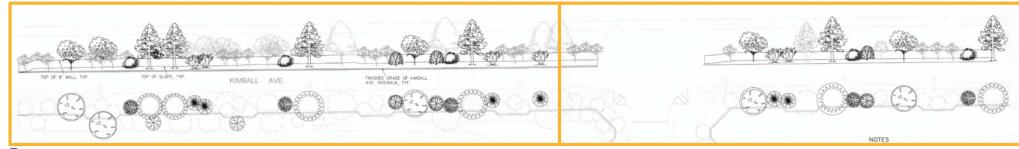


AREA 03

RP-5: Kimball Ave Landscaping for RP-5 Expansion

- Additional landscaping to screen the RP-5
 Construction from public view along Kimball Ave.
 - Landscaping in lieu of constructing additional enclosures.
- Project Plans prepared in-house by IEUA
- Six Bids:
 - KASA Construction \$94K
 - Award 8/11/2020
 - Completion 9/25/2020







RP-5 Update

Questions?



INFORMATION ITEM 3C

Engineering and Construction Management Project Updates











CCWRF Asset Management and Improvements

Project Goal: Extend Asset Life



Total Project Budget: \$15.6 M **Project Completion:** May 2023 **Design Percent Complete:** 30%

| Phase | Consultant/ Contractor | Current Contract | Amendments/ Change Orders |
|---------------------|---------------------------|---------------------|------------------------------|
| Design (Current) | CDM Smith | \$3.6M | -19% |
| Construction | TBD | \$0 | 0% |



RP-5 Pump Gallery Wire Replacement

Project Goal: Improve Efficiency

Total Project Budget: \$130K
Project Completion: July 2020
Construction Percent Complete: 100%

| Phase | Consultant/ Contractor | Current Contract | Amendments/ Change Orders |
|--------------|---------------------------|---------------------|---------------------------------|
| Design | N/A | N/A | N/A |
| Construction | Big Sky Electric | \$90K | 26% |





1158 West Reservoir Re-coating/painting and Upgrades

Project Goal: Extend Asset Life



Total Project Budget: \$3.5M
Project Completion: May 2021
Construction Percent Complete: 50%

| Phase | Consultant/ Contractor | Current Contract | Amendments/ Change Orders |
|------------------------|-----------------------------|---------------------|------------------------------|
| Design | Harper & Assoc. Engineering | \$17K | 0% |
| Construction (Current) | Spiess Construction | \$2.9M | 8% |

