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. **LANDSCAPE TUNE-UP PROGRAM CONTRACT AMENDMENT**
   Staff recommends that the Committee/Board:

   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.

   C. **RP-5 EXPANSION PROJECT OPERATIONS AND MAINTENANCE RESOURCE STUDY CONTRACT AWARD**
   Staff recommends that the Committee/Board:

   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

   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. **COLLECTION SYSTEM ASSESSMENT AND OPTIMIZATION SERVICE CONTRACT AWARD**
   Staff recommends that the Committee/Board:

   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.

B. SOUTH ARCHIBALD PLUME CLEANUP – PROP 1 SCOPE AMENDMENT APPLICATION
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. ENGINEERING AND CONSTRUCTION MANAGEMENT PROJECT UPDATES (POWERPOINT)

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: ___ ___

DECLARATION OF POSTING
I, Laura Mantilla, Interim Board Secretary/Office Manager of the Inland Empire Utilities Agency, a Municipal Water District, hereby certify that a copy of the agenda has been posted by 5:30 p.m. in the foyer at the Agency’s main office, 6075 Kimball Ave., Building A, Chino, CA on Thursday, September 3, 2020.

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 Velerde, 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:
  1. 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:
  1. 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, one-year 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:

1. 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:

1. 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.
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.
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
Landscape Tune-up Program
Contract Amendment

Board Meeting

Pietro Cambiaso
September 2020
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
  - Not-to-exceed $200,000 (IEUA Ordinance 108, Section 2.3.A.1)

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<tr>
<th>Contractors</th>
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<tbody>
<tr>
<td>Conserv Construction, Inc.</td>
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<td>Master Landscape &amp; Maintenance, Inc.</td>
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<tr>
<td>Ecotech Services, Inc.</td>
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- 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

Total sites serviced = 771 sites

Number of sites serviced

FY18/19  (163 sites)
FY19/20  (463 sites)
FY 20/21  (145 sites)

- Chino Hills
- Chino
- CVWD
- FWC
- MVWD
- Ontario
- Upland

Total sites serviced = 771 sites
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

4600002872-001 (GD)
8/20/2020
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.

INLAND EMPIRE UTILITIES AGENCY:
*A MUNICIPAL WATER DISTRICT

Shivaji Deshmukh, P.E.
General Manager
(Date)

CONSERV CONSTRUCTION, INC.:

Steve Campbell
President
8-25-2020
(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:

1. 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:

[Signature]

Cynthia Campbell  
Conserv Construction Inc.  
951-813-2110

8-19-2020  
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 days.
CONSENT
ITEM
1C
Date: September 16, 2020
To: The Honorable Board of Directors
From: Shivaji Deshmukh, General Manager
Committee: Engineering, Operations & Water Resources

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.
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]
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

Liquids Webcam

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

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<th>Proposals Received</th>
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<tr>
<td>BridgeOne</td>
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<tr>
<td>CDM Smith</td>
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<tr>
<td>GHD</td>
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<td>Kennedy Jenks</td>
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**Project Budget & Schedule**
**EN19001 and EN19006**

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<td><strong>Design Services</strong></td>
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<td><strong>Construction Services</strong></td>
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<td>Engineering Services During Construction</td>
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<td>Construction Management Services</td>
<td>$22,625,523</td>
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<tr>
<td>Other Construction Services</td>
<td>$7,055,000</td>
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<tr>
<td><strong>O&amp;M Resource Study (This Action)</strong></td>
<td>$270,000</td>
</tr>
<tr>
<td>Contingency (5%)</td>
<td>$2,064,844</td>
</tr>
</tbody>
</table>

**Construction**

<table>
<thead>
<tr>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP-5 Expansion Bid</td>
<td>$329,982,900</td>
</tr>
<tr>
<td>Offsite Facilities Bid (estimate)</td>
<td>$12,000,000</td>
</tr>
<tr>
<td>Contingency (~10%)</td>
<td>$34,198,290</td>
</tr>
</tbody>
</table>

**Total Project Cost:** $445,949,659

**Total Project Budget:** $450,000,000

* 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.

**Project Milestone**

<table>
<thead>
<tr>
<th>O&amp;M Resource Study</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Completion</td>
<td>March 15, 2021</td>
</tr>
</tbody>
</table>

**Construction**

<table>
<thead>
<tr>
<th>Project Milestone</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids Facility Completion</td>
<td>January 2024</td>
</tr>
<tr>
<td>Liquids Construction Completion</td>
<td>January 2025</td>
</tr>
</tbody>
</table>
Recommendation

• 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.
Questions?
Date: September 16, 2020  
To: The Honorable Board of Directors  
From: Shivaji Deshmukh, General Manager  
Committee: Engineering, Operations & Water Resources  

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.  

Budget Impact  
Budgeted (Y/N): Y  
Amendment (Y/N): N  
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
NRW East End Flow Meter
SoCalGas Line Relocation
Project No. EN22002

Josh Biesiada, CCM
September 2020
Project Location

Grand Ave.

Chico Ave.

Pomona, CA
Potholing for Existing Utilities
SoCalGas Line Alignment
## Project Budget and Schedule

<table>
<thead>
<tr>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Design Services</strong></td>
<td></td>
</tr>
<tr>
<td>Design Consultant Contract</td>
<td>$213,554</td>
</tr>
<tr>
<td>Design Consultant Amendments 1 &amp; 2</td>
<td>$18,590</td>
</tr>
<tr>
<td>IEUA Design Services (actuals)</td>
<td>$146,056</td>
</tr>
<tr>
<td><strong>Construction Services</strong></td>
<td>$321,181</td>
</tr>
<tr>
<td>Engineering Services During Construction</td>
<td>$44,260</td>
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<td>IEUA Construction Services (~12%)</td>
<td>$276,921</td>
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<tr>
<td>SoCalGas Line Relocation</td>
<td>$129,484</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td>$2,653,825</td>
</tr>
<tr>
<td>Construction Contract (this action)</td>
<td>$2,307,674</td>
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<td>Contingency (~10%)</td>
<td>$346,151</td>
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<td><strong>Total Project Costs</strong></td>
<td>$3,482,690</td>
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<td><strong>Current Total Project Budget:</strong></td>
<td>$3,600,000</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Milestone</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Contract Award</td>
<td>April 2020</td>
</tr>
<tr>
<td>Construction Completion</td>
<td>April 2021</td>
</tr>
</tbody>
</table>
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.

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

AGREED AND ACCEPTED

THE GAS COMPANY BY

Purchaser

DATE

NAME(PRINT)

PURCHASER OR AUTHORIZED REPRESENTATIVE(PRINT)

SIGNATURE

SIGNATURE OF PURCHASER OR AUTHORIZED REPRESENTATIVE

AMOUNT RECEIVED

PAYMENT INFORMATION

☐ CASH ☐ CHECK CHECK #

DATE PAYMENT TURNED IN:

BY(NAME OF EMPLOYEE): PAYMENT TURNED IN AT:

SOUTHERN CALIFORNIA GAS COMPANY - FORM 3011 - F (REV. 4/98)
"COLLAUTH"
Inland Empire Utilities Agency  
Attn: Project No. EN22002  
P.O. Box 9020  
Chino Hills, CA 91709  

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: The Gas Company, 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.

NOTIFICATION #: 002041690269
BUSINESS AREA: ☑ 2010 Distribution ☐ 2020 Transmission
CONTACT: David Castellanos 57399
DESIGN #: 70737297
MCU ORDER #: 000005418199-0005
SAP COST CENTER: 2200-0450
COST ELEMENT: 6350710
DATE PREPARED: August 17, 2020

BILL TO: INLAND EMPIRE UTILITIES AGENCY
E. GRAND AVENUE
POMONA CA 91766

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

TOTAL AMOUNT DUE $129,479.53

Make checks payable to Southern California Gas Company and include internal order number on check

PLEASE MAKE TIMELY PAYMENT TO AVOID DELAYS IN JOB SCHEDULE
Date: September 16, 2020
To: The Honorable Board of Directors
From: Shivaji Deshmukh, General Manager
Committee: Engineering, Operations & Water Resources
Finance & Administration
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

<table>
<thead>
<tr>
<th>Account/Project Name</th>
<th>Budgeted (Y/N)</th>
<th>Amendment (Y/N)</th>
<th>Amount for Requested Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN19024/Regional System Asset Management</td>
<td>Y</td>
<td>Y</td>
<td>$1,550,000</td>
</tr>
<tr>
<td>EN19028/NRW Manhole and Pipeline</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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]
Collection System Condition Assessment and Optimization Service Contract Award
Collection Sewer System

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

Project Overview/Location

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
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

**Coordination**
Development of Condition Assessment Implementation Plan
- 41 Siphons w/ Manholes
- 1 Force Main w/ Manholes

**Implementation**
Condition Assessments, Inspections, and Cleaning
- 41 Siphons w/ Manholes
- 1 Force Main w/ Manholes

**Evaluation**
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

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

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

<table>
<thead>
<tr>
<th>Proposals Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDM Smith, Inc.</td>
</tr>
<tr>
<td>HDR Engineering, Inc.</td>
</tr>
<tr>
<td>V&amp;A Consulting Engineers, Inc.</td>
</tr>
<tr>
<td>Brown and Caldwell</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Description</th>
<th>Projected Cost</th>
<th>Contract Milestone</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project Management/Admin Support</strong></td>
<td>$72,359</td>
<td><strong>Service Contract</strong></td>
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<tr>
<td>Project Management Support</td>
<td>$59,436</td>
<td>Condition Assessment</td>
<td>September 21</td>
</tr>
<tr>
<td>Administrative Support</td>
<td>$12,923</td>
<td>Planning/Optimization</td>
<td>September 22</td>
</tr>
<tr>
<td><strong>Inspection/Inter-Departmental Support</strong></td>
<td>$152,395</td>
<td></td>
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<tr>
<td>Inspection Support</td>
<td>$62,987</td>
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<tr>
<td>Inter-Departmental Support</td>
<td>$89,408</td>
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<tr>
<td><strong>Engineering Consulting Support</strong></td>
<td>$75,000</td>
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<td></td>
</tr>
<tr>
<td>Engineering Consultant (GHD Contract)</td>
<td>$75,000</td>
<td></td>
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</tr>
<tr>
<td><strong>Service Contract (this action)</strong></td>
<td>$2,910,909</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Condition Assessment - Field Work</td>
<td>$2,037,756</td>
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<tr>
<td>Planning/Optimization</td>
<td>$873,153</td>
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<tr>
<td><strong>Projected Total:</strong></td>
<td>$3,210,663</td>
<td></td>
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<tr>
<td>75% of Projected Total charged to EN19024 for RSS Assets</td>
<td>$2,407,997</td>
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<tr>
<td>25% of Projected Total charged to EN19028 for BSS Assets</td>
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<tr>
<td><strong>EN19028 Total Project Budget (current):</strong></td>
<td><strong>$915,000</strong></td>
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<tr>
<td><strong>EN19024 Total Project Budget (current):</strong></td>
<td><strong>$1,250,000</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Project Budget Augmentation to EN19024</td>
<td>$1,550,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EN19024 Total Project Budget (revised):</strong></td>
<td><strong>$2,800,000</strong></td>
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</tr>
</tbody>
</table>
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.
ENGINEERING, OPERATIONS, AND WATER RESOURCES COMMITTEE

ACTION ITEM

2B
Date: September 16, 2020
To: The Honorable Board of Directors
From: Shivaji Deshmukh, General Manager
Committee: Engineering, Operations & Water Resources
Finance & Administration
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.

Full account coding (internal AP purposes only): 1000 - 127100 - 10800 - 50000 Project No.: EN16021
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
South Archibald Plume Cleanup
Scope Amendment

Jerry Burke, P.E.
September 2020
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

- 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

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

### Funding

<table>
<thead>
<tr>
<th>Funding</th>
<th>Projected Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>USBR Title XVI Grant</td>
<td>$5,600,000</td>
</tr>
<tr>
<td>SWRCB Prop 1 Grant</td>
<td>$11,400,000</td>
</tr>
<tr>
<td>US Government Contribution</td>
<td>$1,100,000</td>
</tr>
<tr>
<td>ABGL Contribution (Aerojet, Boeing, General Electric, Lockheed Martin)</td>
<td>$1,400,000</td>
</tr>
<tr>
<td>USBR Title XVI Grant</td>
<td>$2,500,000</td>
</tr>
<tr>
<td>USBR Title XVI Grant</td>
<td>$4,200,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$26,200,000</strong></td>
</tr>
</tbody>
</table>

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

Design
- Jan 2016 - Feb 2017: PDR
- Jun 2017 - Oct 2019: Design
- Oct 2017 - Mar 2020: SCE Permitting

Prequal
- Dec 2018 - Nov 2019: Construction Management
- Nov 2018 - Jul 2019: General Contractor
- Nov 2018 - Jun 2019: Electrical Subcontractor
- Jan 2019 - Oct 2019: Integration Contractor

Bid & Const
- Oct 2019 - May 2020: Bidding
- Jul 2020 - Jan 2025: Construction

SCE Permitting
- 30% Design: Dec 18
- 50% Design: Jul 20
- 90% Design: May 31

Bid Set
- Oct 31

Construction Award
- Jul 15

Biosolids Milestone
- Jan 11

Project Completion
- Jan 10
# RP-5: Project Status

<table>
<thead>
<tr>
<th>Role</th>
<th>Firm</th>
<th>Contract</th>
<th>Payments</th>
<th>% Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor</td>
<td>WM Lyles</td>
<td>$329,982,900</td>
<td>$0</td>
<td>0%</td>
</tr>
<tr>
<td>Designer</td>
<td>Parsons</td>
<td>$31,685,239</td>
<td>$22,158,229</td>
<td>70%</td>
</tr>
<tr>
<td>Construction Management</td>
<td>Arcadis</td>
<td>$21,125,523</td>
<td>$1,447,534</td>
<td>7%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>****</td>
<td><strong>$382,793,662</strong></td>
<td><strong>$23,605,763</strong></td>
<td><strong>6%</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Award</th>
<th>Duration</th>
<th>Completion</th>
<th>% Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Schedule</td>
<td>7/15/20</td>
<td>1640</td>
<td>1/10/2025</td>
</tr>
</tbody>
</table>

* 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

• Construction Start: Approx. November

Grading for trailers & parking
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: 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

Webcams

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

RP-5 Expansion, Project No. EN 19001 - Camera 2
RP-5: Photo Documentation - Webcams

North Solids

South Solids

North Liquids

South Liquids
Initial & Monthly Photos
- Same location each month
- Progression of work
- 360 degree view
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
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
Questions?
INFORMATION ITEM 3C
Engineering and Construction Management Project Updates

Jerry Burke, P.E.
September 2020
CCWRF Asset Management and Improvements
Project Goal: Extend Asset Life

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

<table>
<thead>
<tr>
<th>Phase</th>
<th>Consultant/Contractor</th>
<th>Current Contract</th>
<th>Amendments/Change Orders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design (Current)</td>
<td>CDM Smith</td>
<td>$3.6M</td>
<td>-19%</td>
</tr>
<tr>
<td>Construction</td>
<td>TBD</td>
<td>$0</td>
<td>0%</td>
</tr>
</tbody>
</table>
**RP-5 Pump Gallery Wire Replacement**  
*Project Goal: Improve Efficiency*

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

<table>
<thead>
<tr>
<th>Phase</th>
<th>Consultant/Contractor</th>
<th>Current Contract</th>
<th>Amendments/Change Orders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Construction</td>
<td>Big Sky Electric</td>
<td>$90K</td>
<td>26%</td>
</tr>
</tbody>
</table>
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%

<table>
<thead>
<tr>
<th>Phase</th>
<th>Consultant/Contractor</th>
<th>Current Contract</th>
<th>Amendments/Change Orders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Harper &amp; Assoc. Engineering</td>
<td>$17K</td>
<td>0%</td>
</tr>
<tr>
<td>Construction (Current)</td>
<td>Spiess Construction</td>
<td>$2.9M</td>
<td>8%</td>
</tr>
</tbody>
</table>