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 BE 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, public comments may be emailed to the Board Secretary/Office Manager Denise Garzaro at dgarzaro@ieua.org no later than 24 hours prior to the scheduled meeting time. Comments will 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 Board Secretary/Office Manager 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.

*A Municipal Water District
1. **ACTION ITEMS**
   
   A. **MINUTES**
      Approve Minutes of the February 10, 2021 Engineering, Operations, and Water Resources Committee meeting.

2. **INFORMATION ITEMS**
   
   A. **REGULATORY UPDATE: WATER USE EFFICIENCY (POWERPOINT)**
   
   B. **RP-5 EXPANSION PROJECT UPDATE (POWERPOINT)**
      
   RECEIVE AND FILE INFORMATION ITEM
   
   C. **ENGINEERING AND CONSTRUCTION MANAGEMENT PROJECT UPDATES (POWERPOINT)**

3. **GENERAL MANAGER’S COMMENTS**

4. **COMMITTEE MEMBER COMMENTS**

5. **COMMITTEE MEMBER REQUESTED FUTURE AGENDA ITEMS**

ADJOURN

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In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Board Secretary/Office Manager (909-993-1736), 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

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**DECLARATION OF POSTING**

I, Denise Garzaro, Board Secretary/Office Manager of the Inland Empire Utilities Agency, A Municipal Water District, hereby certify that a copy of this agenda has been posted by 5:30 p.m. to the IEUA Website at [www.ieua.org](http://www.ieua.org) and outside the Agency's main office, 6075 Kimball Avenue, Building A, Chino on Thursday, March 4, 2021.

Denise Garzaro, CMC
ACTION ITEM 1A
MINUTES
ENGINEERING, OPERATIONS, AND WATER RESOURCES
COMMITTEE MEETING
INLAND EMPIRE UTILITIES AGENCY*
AGENCY HEADQUARTERS, CHINO, CA

WEDNESDAY, FEBRUARY 10, 2021
9:45 A.M.

COMMITTEE MEMBERS PRESENT via Video/Teleconference
Michael Camacho, Chair
Marco Tule

STAFF PRESENT
Shivaji Deshmukh, General Manager
Denise Garzaro, Board Secretary/Office Manager
Wilson To, Technology Specialist II

STAFF PRESENT via Video/Teleconference
Jasmin A. Hall, President
Christiana Daisy, Deputy General Manager
Kathy Besser, Executive Manager of External & Government Affairs/AGM
Randy Lee, Executive Manager of Operations/AGM
Christina Valencia, Executive Manager of Finance & Administration/AGM
Adham Almasri, Principal Engineer
Josh Biesiada, Project Manager II
Jerry Burke, Manager of Engineering
Andrea Carruthers, Manager of External Affairs
Javier Chagoyen-Lazaro, Manager of Finance & Accounting
Don Hamlett, Acting Deputy Manager of Integrated Systems Services
Jennifer Hy-Luk, Administrative Assistant II
Jason Marseilles, Deputy Manager of Engineering
Lisa Morgan-Perales, Senior Water Resources Analyst
Cathleen Pieroni, Manager of Inter-Agency Relations
Craig Proctor, Deputy Manager of Strategic Planning & Resources
Sushmitha Reddy, Manager of Laboratories
Jeanina Romero, Executive Assistant
Daniel Solorzano, Technology Specialist I
Teresa Velarde, Manager of Internal Audit
Brian Wilson, Senior Engineer

OTHERS PRESENT via Video/Teleconference
Maureen Erbeznik, Maureen Erbeznik and Associates

CALL TO ORDER
Committee Chair Michael Camacho called the meeting to order at 10:05 a.m. He 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.

1A. CONSENT ITEMS
The Committee:

- Approved Minutes of the January 13, 2021 Engineering, Operations, and Water Resources Committee meeting.

2A. ACTION ITEMS
The Committee:

- Recommended that the Board:
  1. Award a consultant contract for the Orchard Recycled Water Turnout Improvements, Project No. EN17041, to Cedro Construction, Inc., in the amount of $128,297; and
  2. Authorize the General Manager to execute the consultant contract, subject to non-substantive changes;

as a Consent Calendar item on the February 17, 2021 Board meeting agenda.

3A – 3D. INFORMATION ITEMS
The following information items were presented or received and filed by the Committee:

- Regional Water Use Efficiency Annual Report – FY 2019/20
- Laboratory Semi-Annual Update
- RP-5 Expansion Project Update: February 2021
- Engineering and Construction Management Project Updates

4. GENERAL MANAGER’S COMMENTS
General Manager Shivaji Deshmukh stated that a presentation on the Recycled Water Program was given at the February 4, 2021 Policy Committee Meeting. The presentation included background and history of the development of the regional recycled water program, as well as a briefing on the challenges IEUA and the member agencies are currently facing regarding the recycled water program. Recycled water policy challenges and considerations include the need to develop a sustainable recycled water rate structure, the question of whether the region as a whole wants to continue to maximize local supply development (recycled water and external sources), and when it would be appropriate to ramp up water quality compliance investments.

General Manager Deshmukh noted that staff continues to work with The Metropolitan Water District of Southern California, the California Water Commission, and local agencies to see if the Water Storage Investment Program (WSIP) can be reconfigured to meet both local needs and state funding requirements. The Agency received comments from the City of Ontario and Cucamonga Valley Water District at the February 4, 2021 Policy meeting regarding the Agency’s ongoing investigation on the WSIP program that was shared at the February 3, 2021 IEUA Board Workshop. The Agency plans to continue to work with stakeholders through the end of the year.

5. COMMITTEE MEMBER COMMENTS
There were no Committee member comments.

6. COMMITTEE MEMBER REQUESTED FUTURE AGENDA ITEMS
There were no Committee member requests for future agenda items.
ADJOURNMENT
With no further business, Committee Chair Camacho adjourned the meeting at 10:55 a.m.

Respectfully submitted,

Denise Garzaro
Board Secretary/Office Manager

*A Municipal Water District

APPROVED: MARCH 10, 2021
INFORMATION ITEM 2A
Regulatory Update: Water Use Efficiency
2007: AB 1420
Urban water suppliers must demonstrate implementation of DMMs in 2010 UWMPs to be eligible for State grant and loan funding

2009: SB X7-7
Retail agencies must set a 20% reduction in gpcd water use by 2020 (and 10% reduction by 2015) for State grant and loan eligibility. Water suppliers must meet the goals

2018: SB 606/AB 1668
Urban retail water suppliers must calculate a WUO by 11/2023 and every year thereafter. Penalties for not meeting WUO are up to $10,000/day (after a grace period)
Calculating an Urban Water Use Objective

Indoor Residential + Outdoor Residential + Outdoor CII + Water Losses

Indoor Standard = 55 GPCD * Pop. * 365 days
GPCD will reduce to 52.5 by 2030 and 50 after 2030

Outdoor Target = (Act. Evaporation - Eto) * (Landscape Area) * (Evaporation Adj. Factor)
DWR will provide residential landscape area measurements for each agency by Jan 2021

CII Outdoor Standard is TBD
DWR will develop recommendations via a stakeholder process.

Loss Target = (Loss Standard per Connection) * (Number of Connections)
State to adopt water loss standards for urban retail water providers by 1 July 2020.

Variance + Recycled Water Bonus

Water Supplier’s Unique Water Use Objective
### Status of State Agencies Workgroups

<table>
<thead>
<tr>
<th>Workgroup</th>
<th>Status</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wholesale Water Loss</td>
<td>✓ Completed report to the legislature</td>
<td>Early 2021</td>
</tr>
<tr>
<td>Urban Water Management Plan Guidebook (DWR)</td>
<td>• Kick-off: March 10, 2020 • Draft Guidebook Workshop: 9/16/20</td>
<td>Early 2021</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UWMPs due 7/1/2021</td>
</tr>
<tr>
<td>Annual Water Supply and Demand Assessment (DWR Guidance)</td>
<td>• Kick-off: March 9, 2020 • Webinar 1/27/2021</td>
<td>Must be submitted with UWMP 7/1/21</td>
</tr>
<tr>
<td>Landscape Area Workgroup</td>
<td>• Kick-off: February 26, 2020 • Last mtg: 2/12/2021</td>
<td>Jan. 1, 2021 to provide water suppliers w/data</td>
</tr>
<tr>
<td>Water Use Studies Workgroup (indoor water use study, variances, CII BMPs)</td>
<td>• Kick-off: November 2019 • Study not yet published</td>
<td>Jan. 1, 2021</td>
</tr>
<tr>
<td>Standards, Methodologies, and Performance Measures Workgroup</td>
<td>• Kick-off: October 28, 2020 • Last mtg: 2/24/2021</td>
<td>DWR recommendations to SWRCB by October 21, 2021</td>
</tr>
<tr>
<td>Data Streamlining Workgroup</td>
<td>• Not yet kicked off</td>
<td>No deadline</td>
</tr>
</tbody>
</table>
Data Sources – Supplier Landscape Area (LAs)

- LAs data is provided to suppliers by DWR
- DWR produced three classes of supplier level aggregated landscape areas
  - Irrigable-Irrigated (LAs-II)
  - Irrigable-Not-Irrigated (LAs-INI)
  - Not Irrigable (LAs-NI)
- Irrigable landscape area is the sum total of LAs-II and LAs-INI
  - Irrigable = LAs-II + LAs-INI
- All retail water suppliers will receive their landscape area by the end of March 2021
- LAM Stakeholder meeting in April 2021
Recent Survey of IEUA Member Agency WUE Priorities

What are Your Agency's Overall Objectives for WUE?

- Framework & Regulatory Compliance: 1st
- Cost Effective Water Saving: 2nd
- Increasing Total Volume of Water Savings: 3rd
- Increasing Groundwater Protection: 4th
- Increasing Recycled Water Supply: 5th
- Long Term Market Transformation: 6th
“Divide and Conquer” meetings
Share Info
Regional Analysis
Comment Regionally, as appropriate

IEUA
Established
Forum for
Regional WUE
Advocacy
INFORMATION
ITEM
2B
RP5: Project Status

Day 228 of 1640 = 14%

Role Firm Contract This Month’s Payment Total Paid % Complete
Contractor WM Lyles $330,046,020 $3,451,132 $12,799,013 4%
Designer Parsons $31,685,239 $390,6356 $23,412,912 75%
Construction Management Arcadis $21,125,523 $281,044 $2,770,338 13%

Data date: 2/28/2021
Satish Kamath, PE, BCEE
Vice President, Company Officer
- Responsible for Parsons Performance
- Water/Wastewater Practice Lead in California
- RP-5 responsible for adequate resource availability

Ali Ahmadi, PhD, PE
Design Manager
- RP-5 coordinates efforts of design disciplines/team during construction
RP-5: Parsons

- 75 Years
- 16,000+ Employees
- $4B+ Annual Revenue
- 10,000+ Degrees/Certifications
- 28 countries
- 50 states

- Water/Wastewater
- RP-5 Project

National Water/Wastewater Design Center in Pasadena, CA
Rick Farr
Vice President
- Responsible for West Region PM/CM
- RP-5 responsible for CM team resources and construction advisor to IEUA

Dick Pascucci
Construction Manager
- RP-5 responsible for Construction Management Team and Inspections
**Arcadis at a Glance**

<table>
<thead>
<tr>
<th>Worldwide</th>
<th>North America</th>
</tr>
</thead>
<tbody>
<tr>
<td>27,000 + Staff</td>
<td>5,000 + Staff</td>
</tr>
<tr>
<td>70+ Countries</td>
<td>&gt;120 + Offices</td>
</tr>
</tbody>
</table>

Arcadis Generates $4.2 Billion in Revenues

- RP-5 Project
LACSD Palmdale WRP Stage 5 Plant Expansion Phase 1
- $116M Expansion to 15 MGD
- 9 Final Sedimentation Tanks
- 6 Aeration Tanks
- RAS Pump Station

Stockton Regional Water Control Facility Improvements Project
- $204M Progressive DB
- 82 MGD major update + expansion to 105 MGD

East County Advanced Water Purification Project
- $320M Progressive DB
- 16 MGD WRF
- 11.5 MGD AWP Facility
- Solids Handling Facility

RP-5 Expansion Means:
- Sustained Revenue for 4 years
- Growth Opportunity for Employees

OCSD Sludge Dewatering & Odor Control Project
- $138M WW Construction
- 100 MGD Plant
RP-5: Construction Team

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

ARCADIS

Construction Team

Owner

Construction Manager

RP-5

General Contractor

W. M. LYLES CO.
CONTRACTOR
Progress Through Performance

PARSONS

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT
– Power Center 9
– Power Center 4
– Digesters
– Aeration Basin Channels
– Secondary Clarifier 4B/ MBR Phase 1
RP-5: January 26th Flyover Solids
Questions?
Engineering and Construction Management
Project Updates

Jerry Burke, PE
Manager of Engineering
March 2021
**TCE Plume Cleanup**

**Project Goal:** Clean Up Groundwater

---

**Total Project Budget:** $26.2 M  
**Project Completion:** August 2021  
**Percent Complete:** 90%

<table>
<thead>
<tr>
<th>Project Construction Components</th>
<th>Contractor</th>
<th>Current Contract</th>
<th>Change Orders</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well II-12 Drilling</td>
<td>Southwest</td>
<td>$1.4 M</td>
<td>-</td>
<td>Completed</td>
</tr>
<tr>
<td>Well II-12 Equipping</td>
<td>Cora Constructors</td>
<td>$3.1 M</td>
<td>-</td>
<td>In Progress</td>
</tr>
<tr>
<td>Monitoring Well MW-II-3</td>
<td>Yellow Jacket</td>
<td>$424 K</td>
<td>60%</td>
<td>Completed</td>
</tr>
<tr>
<td>Monitoring Well MW-II-4/MM-II-5</td>
<td>Yellow Jacket</td>
<td>$710 K</td>
<td>1%</td>
<td>In Progress</td>
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<tr>
<td>CDA RWI Pipeline</td>
<td>Ferreira</td>
<td>$621 K</td>
<td>-</td>
<td>Completed</td>
</tr>
<tr>
<td>Chino II Decarbonator Construction</td>
<td>Pascal &amp; Ludwig</td>
<td>$2.5 M</td>
<td>7%</td>
<td>In Progress</td>
</tr>
<tr>
<td>Phase I Pipeline Construction</td>
<td>Gwinco</td>
<td>$1.4 M</td>
<td>12%</td>
<td>Completed</td>
</tr>
<tr>
<td>Phase II Pipeline Construction</td>
<td>Gwinco</td>
<td>$6.9 M</td>
<td>5%</td>
<td>In Progress</td>
</tr>
<tr>
<td>Phase III Pipeline Construction</td>
<td>Gwinco</td>
<td>$1.8 M</td>
<td>9%</td>
<td>Completed</td>
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</tbody>
</table>
Total Project Budget: $10 M  
Project Completion: May 2021  
Construction Percent Complete: 85%

<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>Stantec</td>
<td>$583 K</td>
<td>27%</td>
</tr>
<tr>
<td>Construction (Current)</td>
<td>Kiewit</td>
<td>$6.6 M</td>
<td>1%</td>
</tr>
</tbody>
</table>
RP-1 Hot Water Loop Replacement
Project Goal: Improve Reliability

Total Project Budget: $1.4M
Project Completion: April 2021
Construction Percent Complete: 40%

<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>In-house W/ Kennedy Jenks Support</td>
<td>$25K</td>
<td>0%</td>
</tr>
<tr>
<td>Construction (Current)</td>
<td>Ferreira</td>
<td>$996K</td>
<td>0%</td>
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