AGENDA

WORKSHOP/MEETING
OF THE
BOARD OF DIRECTORS

WEDNESDAY, NOVEMBER 6, 2019
10:00 A.M.

INLAND EMPIRE UTILITIES AGENCY*
AGENCY HEADQUARTERS
BOARD ROOM
6075 KIMBALL AVENUE
CHINO, CALIFORNIA 91708

CALL TO ORDER
OF THE INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS
WORKSHOP/MEETING

FLAG SALUTE

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 complete and submit to the Board Secretary a "Request to Speak" form which is available on the table in the Board Room. 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. **ACTION ITEM**

   A. **ADOPTION OF RESOLUTION NO. 2019-11-1, COMMENDING MVWD GENERAL MANAGER MARK KINSEY FOR 21 YEARS OF PUBLIC SERVICE**

   Staff recommends that the Board adopt Resolution No. 2019-11-1, commending General Manager Mark N. Kinsey for 21 years of public service with the Monte Vista Water District.
2. **WORKSHOP**

   A. **IEUA SECURITY (POWERPOINT)**

   B. **PFAS OVERVIEW (POWERPOINT)**

3. **GENERAL MANAGER’S COMMENTS**

4. **ADJOURN**

   *A Municipal Water District

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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 (909) 993-1736, 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

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<table>
<thead>
<tr>
<th>Declaration of Posting</th>
</tr>
</thead>
<tbody>
<tr>
<td>I, April Woodruff, Board Secretary 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. at the Agency’s main office, 6075 Kimball Avenue, Building A, Chino, CA on Thursday, October 31, 2019.</td>
</tr>
</tbody>
</table>

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April Woodruff
Date: November 6, 2019
To: The Honorable Board of Directors
From: Shivaji Deshmukh, General Manager
Committee:

Executive Contact: Shivaji Deshmukh, General Manager

Subject: Adoption of Resolution No. 2019-11-1, Commending Monte Vista Water District General Manager Mark Kinsey for 21 Years of Public Service

Executive Summary:
General Manager Mark J. Kinsey has served as the General Manager of the Monte Vista Water District (MVWD) since 1998. He has overseen the expansion of MVWD's services to include wholesale water supply to the city of Chino Hills for the delivery of up to 20.22 million gallons of water per day. He also facilitated the purchase of the Monte Vista Irrigation Company, resulting in increased production rights in the Chino Groundwater Basin. He has led MVWD in making numerous investments to guarantee affordable and reliable high-quality water for its valued customers. Mr. Kinsey has served on several technical and management committees, Chino Basin Watermaster's (CBWM) Appropriative Pool, CBWM Advisory Committee, CBWM Board of Directors, and collaborated with local agencies to form the Chino Basin Water Bank. He had the innovative vision to develop and construct the District's four Aquifer Storage and Recovery groundwater wells. He has also encouraged water use efficiency efforts and consistently supported new, innovative ways to help consumers use water wisely.

The Inland Empire Utilities Agency's Board of Directors would like to publicly extend its most sincere appreciation to General Manager Mark Kinsey for his 21 years of dedicated public service as the General Manager of MVWD.

Staff's Recommendation:
Adopt Resolution No. 2019-11-1, commending General Manager Mark N. Kinsey for 21 years of public service with the Monte Vista Water District.

Budget Impact  

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

Account/Project Name:
N/A

Fiscal Impact (explain if not budgeted):

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

Environmental Determination:
Not Applicable

Business Goal:

Attachments:
Attachment 1 - Resolution No. 2019-11-1
RESOLUTION NO. 2019-11-1
RESOLUTION OF THE BOARD OF DIRECTORS OF INLAND EMPIRE UTILITIES AGENCY*, SAN BERNARDINO COUNTY, CALIFORNIA, COMMENDING MARK N. KINSEY FOR 21 YEARS OF PUBLIC SERVICE WITH THE MONTE VISTA WATER DISTRICT

WHEREAS, Mark N. Kinsey has served as the General Manager of the Monte Vista Water District since 1998, with experience in water resources, as well as urban, regional and financial planning; and

WHEREAS, Mark N. Kinsey has overseen the expansion of Monte Vista Water District’s services to include wholesale water supply to the city of Chino Hills for the delivery of up to 20.22 million gallons of water per day, as well as facilitated the purchase of the Monte Vista Irrigation Company resulting in increased production rights in the Chino Groundwater Basin; and

WHEREAS, Mark N. Kinsey has led the Monte Vista Water District in making numerous investments over the years to guarantee affordable and reliable high-quality water for its valued customers; and

WHEREAS, Mark N. Kinsey has been involved in several technical and management committees responsible for developing long-range water supplies and water quality improvements in the Santa Ana Watershed and Chino Groundwater Basin and expanded recycled water distribution within the city of Montclair; and

WHEREAS, Mark N. Kinsey has played a significant role with Chino Basin Watermaster, serving on the Appropriate Pool and Advisory Committee for more than 15 years, as well as on the Board of Directors, and collaborated with local water agencies to form the Chino Basin Water Bank; and

WHEREAS, Mark N. Kinsey had the innovative vision to develop and construct the District’s four Aquifer Storage and Recovery groundwater wells; and

WHEREAS, Mark N. Kinsey has encouraged water use efficiency efforts, including the development of one of the first budget-based tiered rate structures, positioning Monte Vista Water District as a leader in the region, and consistently supporting new, innovative ways to help consumers use water wisely.

NOW, THEREFORE, BE IT RESOLVED, that the Inland Empire Utilities Agency’s Board of Directors does hereby publicly extend its most sincere appreciation to Mark N. Kinsey for his 21 years of dedicated public service at the Monte Vista Water District. His exemplary work ethic and dedication are to be commended.

APPROVED AND ADOPTED this 6th day of November, 2019.

ATTEST:

_________________________
Paul Hofer
President of the Inland Empire
Utilities Agency* and of the
Board of Directors thereof

_________________________
Kati Parker
Secretary/Treasurer of the Inland Empire
Utilities Agency* and of the
Board of Directors thereof

*A Municipal Water District
I, Kati Parker, Secretary/Treasurer of the Inland Empire Utilities Agency*, DO HEREBY CERTIFY that the foregoing Resolution being No. 2019-11-1, was adopted at a regular Board Meeting on November 6, 2019, of said Agency by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Kati Parker
Secretary/Treasurer of the Inland Empire Utilities Agency* and of the Board of Directors thereof

(SEAL)

*A Municipal Water District
IEUA SECURITY
IEUA Security

- Overview
  - Facilities/Physical Security
    - Activity
    - Systems
    - Future Projects
IEUA Security - Activity

- Facility Security Assessments
  - Department of Homeland Security - Consultant
    - Urban Area Security Initiative (UASI) Grant
  - Areas of Focus
    - Perimeter Controls and Deterrents
      - Fencing, Gates, Barriers, Signage
    - Use of Technology
      - Cameras, Lighting
    - Environmental Design
      - Landscaping Design and Maintenance
IEUA Security - Systems

- Security Services
  - Burglar and Fire Systems
  - Alarm Monitoring
  - Guard Services
- Access Control
- Cameras
- Inspections
  - Reporting/Repairs
IEUA Security - Projects

- Camera Systems
- Landscape Coordination
- Access Control
- Fencing
- Guard Services
First
Cybersecurity Assessment

Sept 2018
Department of Homeland Security onsite visit at IEUA - October 2018

- Assessed the wastewater control system
- IEUA was 81st wastewater assessment
- Ranked IEUA in top 25 percentile of wastewater agencies assessed
Discovery Key Strengths

- Contingency planning
- Dedicated security person
- Multifactor authentication
Discovery Recommendations

- Encryption
- Backups
- Patching
- Segmentation
- Detection
- Alternate Control
- Configuration
Results of San Bernardino County wells tested for PFAS
16 county agencies ordered to test 45 wells for the chemicals

By MARTIN WISCKOL mwisckol@scng.com and MATT TRUONG htruong@scng.com

PFAS toxins found in drinking water throughout Southern California
"Forever chemicals" rapidly emerge in water supply systems

Los Angeles Times
What are per- and polyfluoroalkyl substances (PFAS)?

- A large group of manufactured chemicals
  - Resistant to heat, water, and oil
  - Wide variety of industrial and consumer uses
  - Potential adverse human health effects
  - Persistent in the environment
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PFAS in the environment and exposure

Industry → Waste Infrastructure → Consumer Products → Human Exposure

Environment → AFFF

Transfer to Infants:
- Breast milk
- Cord blood

Inland Empire Utilities Agency
A Municipal Water District

Drinking Water Regulatory Requirements

- **USEPA**
  - Lifetime Health Advisory: PFOA + PFOS = 70 ng/L-ppt (2016)

- **CA DDW**
  - Notification Level PFOA = 5.1 ng/L-ppt (August 2019)
  - Notification Level PFOS = 6.5 ng/L-ppt (August 2019)
  - Response Level PFOA + PFOS = 70 ng/L-ppt (July 2018) [Revision (Fall 2019)]
  - Assembly Bill 756: Expands notification requirements to customers (2020)

USEPA or CA Possible Enforceable Maximum Contaminant Level - MCL (2022)
PFAS Testing Challenges

- **Sampling**
  - Field samplers
  - Sampling equipment
  - Ambient

- **Analytical**
  - Instruments and solvents
  - Approved Method
<table>
<thead>
<tr>
<th></th>
<th>Recycled Water</th>
<th>Stormwater Local Runoff</th>
<th>Effluent Discharge</th>
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</thead>
<tbody>
<tr>
<td>PFOA (ng/L-ppt)</td>
<td>12 - 14</td>
<td>ND - 43</td>
<td>5 - 34</td>
</tr>
<tr>
<td>PFOS (ng/L-ppt)</td>
<td>ND - 2</td>
<td>ND - 14</td>
<td>ND - 5</td>
</tr>
</tbody>
</table>
Potential Impact to IEUA

- Compliance
- Laboratory Testing
- Pretreatment and Source Control
- Groundwater Recharge Program
- Organic/Compost Recycling Program
- Capital Improvement Program
- Operational
- Financial
## Treatment Technologies

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Short Chain PFAS Removal</th>
<th>Long Chain PFAS Removal</th>
<th>Other Contaminants Removal</th>
<th>Challenges</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granular Activated Carbon</td>
<td><img src="yellow" alt="Yellow" /></td>
<td><img src="green" alt="Green" /></td>
<td><img src="green" alt="Green" /></td>
<td>PFAS fate during thermal regeneration</td>
<td>$ - $$</td>
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<tr>
<td>Powdered Activated Carbon</td>
<td><img src="red" alt="Red" /></td>
<td><img src="yellow" alt="Yellow" /></td>
<td><img src="red" alt="Red" /></td>
<td>Cannot be used in a flow through bed</td>
<td>$$</td>
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<tr>
<td>Ion Exchange</td>
<td><img src="yellow" alt="Yellow" /></td>
<td><img src="green" alt="Green" /></td>
<td><img src="yellow" alt="Yellow" /></td>
<td>Background water effects unknown</td>
<td>$$$</td>
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<tr>
<td>Membrane Separation</td>
<td><img src="green" alt="Green" /></td>
<td><img src="green" alt="Green" /></td>
<td><img src="green" alt="Green" /></td>
<td>High energy requirement Membrane fouling Concentrate mgmt</td>
<td>$$$$</td>
</tr>
</tbody>
</table>
IEUA Response

- Compliance RW monitoring
- Voluntary monitoring
  - Collaboration with SAWPA
- OEHHA Toxicology report review
  - Intertox, EMWD, OCWD, SBVMWD, WMWD
- Engagement with regulators
  - Comment letters to Governor and DDW
- Collaboration with other Agencies and Associations
  - CBWM, MWD, CASA, ACWA, WateReuse