

**United States Committee
on Irrigation & Drainage
2024 Conference**



USCID

***Implementing Sustainable
Water Management to Balance Water
Supply and Demand:
Challenges, Opportunities and Solutions***

**October 1-4, 2024
Holiday Inn Sacramento
Sacramento, California**

2024 USCID CONFERENCE SCHEDULE OF EVENTS

TUESDAY, OCTOBER 1

- 7:00am-7:30am** CONTINENTAL BREAKFAST (tour participants only)
- 8:00am-11:30am** **FIELD TOUR (separate registration required)**
Solano Irrigation District, Vacaville, California. Presentation with Solano Irrigation District representatives, followed by a bus tour visiting key areas of the district with modernized and conventional flow regulations and control structures.
- 12noon-1:15pm** **OPENING LUNCH WITH SPEAKER**
Karl Stock, Regional Director, Bureau of Reclamation, California Great Basin Region
- 1:30pm-3:00pm** **OPENING SESSION**
California Irrigation Districts: Panel Presentation
Allison Febbo, Westlands Water District
Jarrett Martin, Central California Irrigation District
Jeffrey Sutton, Glenn-Colusa Irrigation District
- California's Attempts to Find a Balance Between Fish, Feathers, Folks and Farms through the Sustainable Groundwater Management Act (SGMA)**
Jeffrey C. Davids, Davids Engineering, Inc. et al
- 3:00pm-3:30pm** **BREAK**
- 3:30pm-4:30pm** **OPENING SESSION (continued)**
Arvin-Edison Water Storage District's SGMA 2.0 Program; Addressing Water Supply Sustainability for a Second Time Under California's Sustainable Groundwater Management Act
Randy Hopkins, Provost & Pritchard Consulting Group et al
- Increasing Groundwater Recharge Capacity in Southern San Joaquin Municipal Utility District: A Case Study Highlighting Planning, Funding, Constructing and Operating Recharge Facilities within the District**
Sam Schaefer, P.E., GEI Consultants, Inc. et al
- 4:45pm-5:00pm** **USCID UPDATE/USCID ANNUAL MEETING**
- 5:00pm-5:30pm** **MEET THE EXHIBITORS**
- 5:30pm-7:30pm** **WELCOME RECEPTION WITH EXHIBITORS**

WEDNESDAY, OCTOBER 2

- 7:30am-8:00am** **CONTINENTAL BREAKFAST WITH EXHIBITORS**
- 8:00am-10:00am** **SESSION A: DISTRICT MODERNIZATION**
Modernizing Agricultural Water Delivery in California: Challenges, Solutions, and the Road Ahead
Arian Aghajanzadeh, Klimate Consulting et al
- Using a Peer to Peer Control Method to Improve Irrigation Canal Delivery Performance**
Blair Stringam, New Mexico State University
- Application of Geosynthetic Cementitious Composite Mats (GCCMs) to Mitigate Water Seepage of Earthen Irrigation Canals**
Nathan Ivy, Concrete Canvas US et al
- Water Master Planning for Sustainable Water Management within the South San Joaquin Irrigation District**
Forrest Killingsworth, P.E., South San Joaquin Irrigation District
- 10:00am-10:30am** **BREAK WITH EXHIBITORS**
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SCHEDULE OF EVENTS (PAGE 2)

10:30am-12noon **SESSION B: GROUNDWATER MANAGEMENT**
Increasing Managed Aquifer Recharge through Forecast-Informed Reservoir Operations
Bryan Thoreson, GEI Consultants Inc. et al

Characterizing Stream-Aquifer Exchanges with Stream Reach Water Budgets
Jeff Davids, Davids Engineering Inc. et al

Remote Sensing Estimates of Groundwater Extraction Using GEEEO Process
Jacob Winslow, Davids Engineering Inc. et al

12noon-1:15pm **LUNCH WITH SPEAKER**

1:30pm-3:00pm **SESSION C: GROUNDWATER RECHARGE**
Kenneson-Sanchez Recharge Basin Project
Sean Smith, P.E., Provost & Pritchard Consulting Group et al

How to Have your Cake and Eat it Too: A Case Study of Recharging with Reverse Tile Drains
Mike Busby, PG EIT, Lidco Inc.

Subsurface Groundwater Recharge
Bryan Thoreson, GEI Consultants Inc. et al

3:00pm-3:30pm **BREAK WITH EXHIBITORS**

3:30pm-5:00pm **SESSION D: SUSTAINABLE WATER MANAGEMENT**

Rising Waters, Rising Concerns: A Case Study of Sindh's Irrigation Crisis
Willem van Deursch, Cathargo Consultancy, Netherlands et al

Opportunities at the Intersection of Farmland & Water Markets
Brett Bovee, P.E., West Water Research LLC

Assessing Water Delivery Level of Service Needs for Irrigation System Master Planning
Jason Smesrud, P.E., Jacobs et al

5:00pm-7:00pm **RECEPTION WITH EXHIBITORS**

THURSDAY, OCTOBER 3

7:30am-8:00am **CONTINENTAL BREAKFAST WITH EXHIBITORS**

8:00am-9:30am **SESSION A: SUSTAINABLE WATER MANAGEMENT**
Hydro Zones—Strategic Insight for Groundwater Overdraft
Matt Angell, Madera Pumps Inc.

Accounting for Wetlands: Improving Data and Management Tools for an Important but Understudied Water User in California
Brandon Ertis, Davids Engineering Inc. et al

Ode to the Bureau of Reclamation's Drainage Manual
Michael J. Day, P.E., Provost & Pritchard Consulting Group

Future Drought Projections in Sindh Province Using SPEI-Index Based on Climate Change Scenarios
Suhail Ahmed, Asian Institute of Technology, Thailand et al

10:00am-10:30am **BREAK WITH EXHIBITORS**

10:30am-12noon **SESSION B: MEASUREMENT**
Evapotranspiration Measurements on Groundwater Recharge Using Eddy Covariance
Luke Nydam and Daniel J. Howes, ITRC, California Polytechnic State University

Calibration of Sindh Canals Using Acoustic Doppler Current Profiler and International Institution Guidelines: A Case Study of Guddu Barrage Off-taking Canals
Sajid Ali Bhutto, Barrage Management Unit, Irrigation Dept, Government of Sindh, Pakistan et al

Bridging the Farm-Gate Delivery Data Gap: Fifteen Years of SBx7-7 Implementation
Joshua G. Otto, Davids Engineering, Inc. et al

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SCHEDULE OF EVENTS (PAGE 3)

12noon-1:15pm

LUNCH WITH SPEAKER

1:30pm-3:00pm

SESSION C: DISTRICT MODERNIZATION II

Orland-Artois Water District's Class II Lands Annexation Project

Danny Kerns, Provost & Pritchard Consulting Group et al

The Modern Irrigation District Responding to Growing Water Scarcity

Peter Moller, Rubicon Water

Waitaki Water Management

Andrew Barton, Morven Glenavy Ikawai Irrigation Company Ltd

3:00pm-3:30pm

BREAK WITH EXHIBITORS

3:30pm-5:00pm

SESSION D: DISTRICT MODERNIZATION

Water Rights Pathways to Authorize Diversions to Potential Flood-MAR Projects

Sara Harper, P.E., CFM, Provost & Pritchard Consulting Group et al

Flood Water Diversion in Aliso Water District

Jose A. Bejarano, EIT, Provost & Pritchard Consulting Group et al

Innovative Strategies for Sustainable Water Management at the River Basin Level

Masood Seehar, Irrigation & Power Dept., Government of Sindh, Pakistan

FRIDAY, OCTOBER 4

6:45am-7:15am

CONTINENTAL BREAKFAST (tour participants only)

7:15am-3:30pm

FIELD TOUR (separate registration required)

Oroville Dam and Lundberg Family Farms. Please note that at the conclusion of the tour, the bus will drop participants at the Sacramento airport or the Holiday Inn Downtown. Airport drop will be approximately 3:00pm; hotel dropoff will be approximately 3:30pm.

USCID CONFERENCE

For 2024 conference information, schedule, hotel information, online registration, sponsorship and exhibitor opportunities, visit www.uscid.org/events.

USCID has been hosting conferences on the latest irrigation and drainage research and technologies since 1996 in cities throughout the United States and internationally. For a list of conferences, and conference proceedings, visit: www.uscid.org/pastconferences.

HOTEL INFORMATION & RESERVATIONS

The 2024 USCID Conference will be held at the Holiday Inn Sacramento Downtown Arena in Sacramento, California. Discounted room rates are available through our dedicated link below or by calling the hotel directly at (916)446-0100 and mentioning USCID. Deadline for rooms at the conference rate is September 9. Rooms reserved after the deadline may not be available or may be at a higher rate.

Book a room using the link below or call 916-446-0100.

[U.S. Committee on Irrigation and Drainage](#)

CONFERENCE DEADLINES

- The Holiday Inn Sacramento room reservation deadline is September 9, 2024 OR until our room block fills. Book your room early!
- Conference early registration deadline is September 6. Registration fees increase after September 6.

EXHIBITOR AND SPONSORSHIP INFORMATION

A limited number of exhibit booths and sponsorship opportunities are available. Please refer to the Exhibitor and Sponsorship Opportunities Flyer for more information.

ABOUT USCID

The mission of USCID is to promote progressive and sustainable irrigation, drainage and flood control practices in support of food and fiber production and public safety, recognizing that sustainability embodies economic, social and environmental goals. USCID is a non-profit professional society whose members share an interest in the planning, design, construction, operation and maintenance of irrigation, drainage and flood control works, agricultural economics, water law, and environmental and social issues affecting irrigated agriculture.

USCID is a member of the International Commission on Irrigation and Drainage (ICID), an association of more than 70 countries. Founded in 1950, ICID is a non-governmental organization dedicated to the sound and responsible management of water resources.

USCID publishes the USCID newsletter, proceedings of USCID meetings and special reports, organizes and sponsors periodic technical meetings and conferences, and distributes ICID publications.

For more information on USCID and their activities, and membership information, visit the website: www.uscid.org or contact:

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