



YOUR BEST PROTECTION

XIII.



November 03, 2021

Del Puerto Water District (D013)
P.O. Box 1596
Patterson, CA 95363

ACWA JPIA

P. O. Box 619082
Roseville, CA 95661-9082

phone
916.786.5742
800.231.5742

www.acwajpia.com

President

E.G. "Jerry" Gladbach

Vice President

Tom Cuquet

Chief Executive Officer

Walter "Andy" Sells

Executive Committee

Fred Bockmiller

Tom Cuquet

David Drake

E.G. "Jerry" Gladbach

Brent Hastey

Melody A. McDonald

Randall Reed

J. Bruce Rupp

Pamela Tobin

General Manager:

Each year at Fall Conference, the JPIA recognizes members that have a Loss Ratio of 20% or less in either of the Liability, Property, or Workers' Compensation programs (loss ratio = total losses / total premiums).

The members with this distinction receive the "**President's Special Recognition Award**" certificate for each Program that they qualify in.

The JPIA is extremely pleased to present Del Puerto Water District (D013) with this special recognition and commends the District on the hard work in reducing claims.

Congratulations to you, your staff, Board, and District. Keep up the good work!

The JPIA wishes you the best in 2022.

Sincerely,

E.G. "Jerry" Gladbach
President

Enclosure: President's Special Recognition Award(s)

Core Values

- People
- Service
- Integrity
- Innovation

163

President's Special Recognition Award

*The President of the
ACWA JPIA
hereby gives Special Recognition to*

Del Puerto Water District

*for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"
in the Liability Program for the period 10/01/2017 - 09/30/2020
announced at the Board of Directors' Meeting in Pasadena.*

E. G. "Jerry" Gladbach

E. G. "Jerry" Gladbach, President



December 15, 2021

164

President's Special Recognition Award

The President of the
ACWA JPIA
hereby gives Special Recognition to

Del Puerto Water District

for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"
in the Workers' Compensation Program for the period 07/01/2017 - 06/30/2020
announced at the Board of Directors' Meeting in Pasadena.

E. G. "Jerry" Gladbach

E. G. "Jerry" Gladbach, President



December 15, 2021

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Schedule of Events

WEDNESDAY, JANUARY 19

- 7:30am-5:00pm** REGISTRATION
- 8:00am** CONTINENTAL BREAKFAST
- 8:30am-11:50am** CALL TO ORDER/GENERAL SESSION
Welcome Address
Dan Keppen, Family Farm Alliance, WUC Planning Committee
- Keynote Address
Camille Calimlim Touton, Commissioner, Bureau of Reclamation
- Bureau of Reclamation Regional Director Address**
Ernest Conant, Regional Director, California-Great Basin
- Bureau of Reclamation Area Managers Roundtable**
Moderated by Kevin Kasberg, CVP Water Association
Jack Worsley, Lahontan Basin
Donald Bader, Northern California
Drew Lessard, Central California
Michael Jackson, South-Central California
Levi Johnson, Central Valley Operations
Dave Mooney, Bay-Delta
- Regulating CVP Operations: After 2 Steps Forward, What's Next?**
Jason Phillips, Friant Water Authority
Jeff Sutton, Tehama Colusa Canal Authority
Thad Bettner, Glenn Colusa Irrigation District
Andy Fecko, Placer County Water Agency
Pablo Arroyave, San Luis & Delta-Mendota Water Authority

- 12:00pm-2:00pm** LUNCHEON and PROGRAM
Newlands Project Report
Rusty Jardine, Truckee-Carson Irrigation District

Keynote Address
Mike Alger, Chief Meteorologist, KTVN-TV, Reno

- 5:30pm-7:30pm** EXHIBITOR RECEPTION & SLOTS TOURNAMENT

THURSDAY, JANUARY 20

- 7:30am-4:00pm** REGISTRATION
- 8:00am-9:15am** BREAKFAST and PROGRAM
Klamath Project Report
Paul Simmons, Klamath Water Users Association
- Keynote Address
Senator Melissa Hurtado

Schedule of Events

- 9:20am-12:00pm** GENERAL SESSION
Deep Dive with the Deputies
Moderated by Mary Lee Knecht, Bureau of Reclamation
Richard Welsh, BR Principal Deputy Regional Director
Jeff Payne, BR Deputy Regional Director-Technical Services
Russ Callejo, BR Deputy Regional Director-Operations
Michelle Williams, BR Deputy Regional Director-Business Services
- The 2021 Wildfires: Lessons Learned and Strategies for the Future**
Moderated by Nadine Bailey, Family Water Alliance, Inc.
Date MacDougall, California Deer Association
Lerya Quinn-Davidson, University of California Ag and Natural Resources
Will Harling, Mid Klamath Watershed Council
Phil Saksa, Blue Forest
Isaac Silverman, Sierra Nevada Conservancy
Senator Brian Dahle, California's 1st Senate District

- 12:15pm-1:30pm** LUNCHEON and PROGRAM
Regional Director's Water Conservation Award
Presented by Ernest Conant, Bureau of Reclamation

Western Water Policy Developments: The View from Capitol Hill
Moderated by Dan Keppen, Family Farm Alliance
Mark Limbaugh, The Ferguson Group
Kiel Weaver, House Natural Resources Committee Water, Oceans and Wildlife Subcommittee
John Watts, Senior Counselor, Office of U.S. Senator Dianne Feinstein

- GENERAL SESSION**
Dried-Up and Disparaged: Is This Rock Bottom?
Moderated by Paul Simmons, Klamath Water Users Association
Chris Scheuring, California Farm Bureau Federation
Ben DuVal, Tullake Producer, Klamath Water Users Association
Aubrey Bettencourt, Almond Alliance of California

The Bright Side: Securing Multi-Benefits in Limited Water Supply Years
Moderated by Adam Nickels, Bureau of Reclamation
Jessica Law, Water Forum
Jeff McCreary, Ducks Unlimited
Jason Phillips, Friant Water Authority
Todd Manley, Northern California Water Association

BR TECHNICAL WORKSHOP: 2 Decades of District Modernization
Moderated by Stuart Styles, Cal Poly ITRC
Jarrett Martin, GM Central California Irrigation District
Bill Sireich, GM Fresno Irrigation District
Bert Bryan, GM of Walker River Irrigation District

- 6:00pm-9:00pm** DINNER AND BOWLING NATIONAL BOWLING STADIUM

1166

XIII

Schedule of Events

FRIDAY, JANUARY 21

8:30am-10:50am **BREAKFAST and PROGRAM**
Bowling and Slot Tournament Awards

Meet the Cal Poly Scholarship Students

Storytelling with a Purpose

Moderated by *Mike Wade, California Farm Water Coalition*
Todd Manley, Northern California Water Association
Elizabeth Jonasson, Westlands Water District

2022 Water Supply Outlook

Moderated by *Adam Nickels, Bureau of Reclamation*

**IN CONSIDERATION OF OUR SPEAKERS AND THOSE AROUND YOU,
PLEASE SILENCE YOUR CELL PHONE DURING ALL CONFERENCE SESSIONS**

CONFERENCE COMMITTEE

Chris Dahlstrom, Santa Ynez River Water Conservation District ID #1 (ret.)

Jeff Bryant, Firebaugh Canal Water District

Anthea Hansen, Del Puerto Water District

Kevin Kasberg, CVP Water Association

Dan Keppen, Family Farm Alliance

Adam Nickels, U.S. Bureau of Reclamation

Bob Oakden, Truckee Carson Irrigation District

Jason Phillips, Friant Water Authority

Paul Simmons, Klamath Water Users Association

Jeff Sutton, Tehama-Colusa Canal Authority

Jane Townsend, Conference Coordinator

Debbie Murdock, Conference Staff

**54th Annual
Mid-Pacific
Water Users' Conference**

**Silver Legacy
Reno, Nevada
January 19-21, 2022**

Mid-Pacific Water Users' Conference 2022

Registration as of January 13, 2022

<u>Company</u>	<u>First Name</u>	<u>Last Name</u>	<u>City State</u>
	Erik	Poole	Millville, CA
AEWSD	Jeevan	Muhar	Arvin, CA
AEWSD	David	Nixon	Arvin, CA
Almond Alliance of California	Aubrey	Bettencourt	Modesto, CA
Banta-Carbona Irrigation District	Mark	Cardoza	Tracy, CA
Banta-Carbona Irrigation District	Glenn	Robertson	Tracy, CA
Banta-Carbona Irrigation District	James M.	Thoming	Tracy, CA
Banta-Carbona Irrigation District	David	Weisenberger	Tracy, CA
Big Valley Divers	Jeff	Eggleston	Chico, CA
Big Valley Divers	John	Eggleston	Chico, CA
Blue Diamond Growers	Kabir	Tumber	Sacramento, CA
Blue Forest	Phil	Saksa	Sacramento, CA
Bureau of Reclamation	Ernest	Conant	Sacramento, CA
Bureau of Reclamation	Sabir	Ahmad	Sacramento, CA
Bureau of Reclamation	Donald	Bader	Shasta Lake, CA
Bureau of Reclamation	Jacob	Berens	Shasta Lake, CA
Bureau of Reclamation	Russ	Callejo	Sacramento, CA
Bureau of Reclamation	Brad	Hubbard	Folsom, CA
Bureau of Reclamation	Michael	Jackson	Fresno, CA
Bureau of Reclamation	Levi E.	Johnson	Sacramento, CA
Bureau of Reclamation	Mary Lee	Knecht	Sacramento, CA
Bureau of Reclamation	Dan	Lahde	Carson City, NV
Bureau of Reclamation	Drew	Lessard	Folsom, CA
Bureau of Reclamation	Ann	Lubas-Williams	Sacramento, CA
Bureau of Reclamation	Lee	Mao	Folsom, CA
Bureau of Reclamation	Dave	Mooney	Sacramento, CA
Bureau of Reclamation	Adam	Nickels	Sacramento, CA
Bureau of Reclamation	Jeff	Payne	Sacramento, CA
Bureau of Reclamation	Richard	Robertson	Shasta Lake, CA
Bureau of Reclamation	Duane	Stroup	Fresno, CA

Bureau of Reclamation	Richard	Welsh	Sacramento, CA
Bureau of Reclamation	Michelle	Williams	Sacramento, CA
Bureau of Reclamation	Jack	Worsley	Carson City, NV
Cal Poly ITRC	Taryn	Liu	San Luis Obispo, CA
Cal Poly ITRC	Anwar	Mustafa	San Luis Obispo, CA
Cal Poly ITRC	Stuart	Styles	San Luis Obispo, CA
Cal Poly ITRC	Trevor	Topham	San Luis Obispo, CA
California Deer Association	Dale	MacDougall	Sacramento, CA
California Dept of Water Resources (ret.)	Maury	Roos	Sacramento, CA
California Farm Bureau Federation	Chris	Schuering	Sacramento, CA
California Farm Water Coalition	Mike	Wade	Sacramento, CA
Cawelo Water District	David	Ansolabehere	Bakersfield, CA
CCOMWP/Water Forum	Jessica	Law	Sacramento, CA
CDM Smith	Bob	Davis	Coronado, CA
CDM Smith	Chris	Park	Davis, CA
Centerville CSD	Larry	Hopson	Redding, CA
Centerville CSD	Walt	Richison	Redding, CA
Central California Irrigation District	Jarrett	Martin	Los Banos, CA
City of Redding	Conrad	Tona	Redding, CA
City of Redding Water Utility	Josh	Watkins	Redding, CA
City of Shasta Lake	Will	Bond	Shasta Lake, CA
City of Shasta Lake	Jessaca	Lugo	Shasta Lake, CA
City of Shasta Lake	Tony	Thomasy	Shasta Lake, CA
City of Tracy Utilities	Harold "Lea"	Emmons	Tracy, CA
Columbia Canal Company	Chris	Cardella	Firebaugh, CA
Columbia Canal Company	Randy	Houk	Firebaugh, CA
Colusa County Water District	Shelly	Murphy	Arbuckle, CA
CVP Water Association	Kevin	Kasberg	Sacramento, CA
Del Puerto Water District	Anthea G.	Hansen	Patterson, CA
Del Puerto Water District	Adam	Scheuber	Patterson, CA
Del Puerto Water District	Paul	Stearns	Patterson, CA
Delano Earlimart Irrigation District	Eric	Quinley	Delano, CA
Downey Brand LLP	Rebecca	Smith	Sacramento, CA
Ducks Unlimited	Jeff	McCreary	Rancho Cordova, CA
Dunnigan Water District	David	Schaad	Dunnigan, CA

East Bay Municipal Utility District	Ana	Ulloa	Oakland, CA
El Dorado Water Agency	Kenneth V.	Payne	Placerville, CA
Emrgy	Emily	Morris	Atlanta, GA
Emrgy	Neil	Tiwar	Atlanta, GA
Family Farm Alliance	Dan	Keppen	Klamath Falls, OR
Family Water Alliance	Joh.	Lauwerijssen	Arbuckle, CA
Family Water Alliance	Nadine	Bailey	Anderson, CA
Farr West Engineering	Danny	Hunsaker	Reno, NV
Firebaugh Canal Water District	Jeff	Bryant	Mendota, CA
Fresno Irrigation District	Greg	Beberian	Fresno, CA
Fresno Irrigation District	George	Porter	Fresno, CA
Friant Water Authority	Johnny	Amaral	Lindsay, CA
Friant Water Authority	Wilson	Orvis	Lindsay, CA
Friant Water Authority	Jason	Phillips	Lindsay, CA
GEI Consultants, Inc.	Erika	Gomez	Bakersfield, CA
GEI Consultants, Inc.	Sam	Schaefer	Bakersfield, CA
Glenn-Colusa Irrigation District	Thad	Bettner	Willows, CA
Glenn-Colusa Irrigation District	Jered	Shiple	Willows, CA
House Natural Resources Committee	Kiel	Weaver	Washington, DC
James Irrigation District	Manny	Amorelli	San Joaquin, CA
Kanawha & Glide Water Dists.	Mike	Alves	Willows, CA
Kern-Tulare Water District	Skye	Grass	Bakersfield, CA
Kern-Tulare Water District	Vanessa	Yap	Bakersfield, CA
Klamath Drainage District	Luther	Horsley	Klamath Falls, OR
Klamath Drainage District	Bill	Walker	Klamath Falls, OR
Klamath Water Users Association	Moss	Driscoll	Klamath Falls, OR
Klamath Water Users Association	Ben	DuVal	Klamath Falls, OR
Klamath Water Users Association	Chelsea	Shearer	Klamath Falls, OR
Klamath Water Users Association	Paul	Simmons	Klamath Falls, OR
Klamath Water Users Association	Rob	Unruh	Klamath Falls, OR
KTVN-TV	Mike	Alger	Reno, NV
Lindmore Irrigation District	Michael	Hagman	Lindsay, CA
Lindsay Strathmore Irrigation District	Cliff	Loeffler	Lindsay, CA
Lindsay Strathmore Irrigation District	Craig	Wallace	Lindsay, CA
Lower Tule River Irrigation District	Eric	Limas	Tipton, CA

Madera Irrigation District	Tim	DaSilva	Madera, CA
Madera Irrigation District	Brian	Davis	Madera, CA
Madera Irrigation District	Jim	Erickson	Madera, CA
Madera Irrigation District	Tommy	Greci	Madera, CA
Madera Irrigation District	Carl	Janzen	Madera, CA
Madera Irrigation District	John	Kinsey	Madera, CA
Madera Irrigation District	Dave	Loquaci	Madera, CA
Madera Irrigation District	Dina	Nolan	Madera, CA
MBK Engineers	Angela	Bezzone	Sacramento, CA
MBK Engineers	Walter	Bourez	Sacramento, CA
MBK Engineers	Darren	Cordova	Sacramento, CA
MBK Engineers	Serina	Cordova	Sacramento, CA
MBK Engineers	Dan	Easton	Sacramento, CA
MBK Engineers	Lynn	Van Camp	Sacramento, CA
MBK Engineers	Marc	Van Camp	Sacramento, CA
Mid Klamath Watershed Council	Will	Harling	Orleans, CA
Natomas Central Mutual Water	Brett	Gray	Rio Linda, CA
Northern California Water Assoc.	Todd	Manley	Sacramento, CA
Office of Senator Dianne Feinstein	John	Watts	Washington, DC
Orland Unit Water Users Assoc.	Kevin	Donnelley	Orland, CA
Orland Unit Water Users Assoc.	Rick	Massa	Orland, CA
Orland Unit Water Users Assoc.	Darin	Titus	Orland, CA
Orland-Artois Water District	Emil	Cavagnolo	Orland, CA
Patterson Irrigation District	John	Azevedo	Patterson, CA
Patterson Irrigation District	Richard	Barbaste	Patterson, CA
Patterson Irrigation District	David	Fantozzi	Patterson, CA
Patterson Irrigation District	Vince	Lucchesi	Patterson, CA
Patterson Irrigation District	David	Reichmuth	Patterson, CA
Patterson Irrigation District	Toni	Russell	Patterson, CA
Patterson Irrigation District	Steve	Trinta	Patterson, CA
Pershing County Water Conservation	Ryan	Collins	Lovelock, NV
Placer County Water Agency	Andy	Fecko	Auburn, CA
Placer County Water Agency	Darin	Reintjes	Auburn, CA
Princeton Codora Glenn Irrigation District	David	Alves	Princeton, CA
Princeton Codora Glenn Irrigation District	Chris	Tomes	Princeton, CA

Provident Irrigation District	Lester	Calvert	Willows, CA
Provident Irrigation District	Gary	Enos	Willows, CA
Provost & Pritchard Consulting Group	Brian	Ehlers	Clovis, CA
Provost & Pritchard Consulting Group	Sara	Harper	Clovis, CA
Provost & Pritchard Consulting Group	Matt	Klinchuch	Clovis, CA
Ranch Systems Inc.	Terrence	Jones	Novato, CA
Ranch Systems Inc.	Hylon	Kaufmann	Novato, CA
Regional Water Authority	Michelle	Banonis	Citrus Heights, CA
River Garden Farms	Dominic	Bruno	Knights Landing, CA
Rubicon Water	Melissa	Lowry	Fort Collins, CO
Rubicon Water	Peter	Moller	Fort Collins, CO
San Benito County Water District	Joe	Tonascia	Hollister, CA
San Joaquin River Exchange Contractors	Steve	Chedester	Los Banos, CA
San Joaquin River Exchange Contractors	Adam	Hoffman	Los Banos, CA
San Joaquin River Exchange Contractors	Chris	White	Los Banos, CA
San Joaquin River Exchange Contractors	Joann	White	Los Banos, CA
San Luis & Delta-Mendota Water Authority	Pablo	Arroyave	Byron, CA
San Luis Water District	Lon	Martin	Los Banos, CA
San Luis Water District	Janet	Roy	Los Banos, CA
San Luis Water District	Steve	Stadler	Los Banos, CA
Santa Clara Valley Water District	Aaron	Baker	San Jose, CA
Santa Clara Valley Water District	Cindy	Kao	San Jose, CA
Senate District 1	Senator Brian	Dahle	California
Senate District 4	Senator Melissa	Hurtado	California
Shafter-Wasco Irrigation District	Kris	Lawrence	Wasco, CA
Sierra Nevada Conservancy	Isaac	Silverman	Auburn, CA
Solano Irrigation District	Faustino	Cuevas	Vacaville, CA
Solano Irrigation District	Cary	Keaten	Vacaville, CA
Solano Irrigation District	John D.	Kluge	Vacaville, CA
Solano Irrigation District	Derrick	Lum	Vacaville, CA
Solano Irrigation District	Melissa	Vignau	Vacaville, CA
Stantec	Craig	Moyle	Sacramento, CA
Stantec	Mary	Paasch	Sacramento, CA
Stantec	Bill	Swanson	Sacramento, CA
Stantec	Paul	Uncapher	Sacramento, CA

Stantec	Heather	Waldrop	Redding, CA
Stockton East Water District	Tom	McGurk	Stockton, CA
Stockton East Water District	Scot A.	Moody	Stockton, CA
Stockton East Water District	Paul	Sangunetti	Stockton, CA
Stockton East Water District	Andrew	Watkins	Stockton, CA
Tehama Colusa Canal Authority	Jeffrey	Sutton	Willows, CA
The Ferguson Group	Mark	Limbaugh	Washington, DC
Truckee-Carson Irrigation District	Mike	Adams	Fallon, NV
Truckee-Carson Irrigation District	Cody	Biggs	Fallon, NV
Truckee-Carson Irrigation District	Kelly	Herwick	Fallon, NV
Truckee-Carson Irrigation District	Rusty	Jardine	Fallon, NV
Truckee-Carson Irrigation District	Helen-Marie	Morrow	Fallon, NV
Truckee-Carson Irrigation District	Robert	Oakden	Fallon, NV
Truckee-Carson Irrigation District	Eric	Olsen	Fallon, NV
Truckee-Carson Irrigation District	Mark	Solinski	Fallon, NV
Truckee-Carson Irrigation District	Dave	Stix, Jr.	Fallon, NV
Tulelake Irrigation District	Kraig	Beasly	Tulelake, CA
Tulelake Irrigation District	Angelina	King	Tulelake, CA
Tulelake Irrigation District	Brad	Kirby	Tulelake, CA
Tulelake Irrigation District	Ed	Staunton	Tulelake, CA
UC Ag & Natural Resources	Lenya	Quinn-Davidson	Eureka, CA
USA NORTH 811	Bryan	Harris	Concord, CA
USA NORTH 811	Nathan	Oliver	Concord, CA
Valley Water	Vince	Gin	San Jose, CA
Walker River Irrigation District	Bert	Bryan	Yerington, NV
Westlands Water District	William	Bourdeau	Fresno, CA
Westlands Water District	Russ	Freeman	Fresno, CA
Westlands Water District	Elizabeth	Jonasson	Fresno, CA

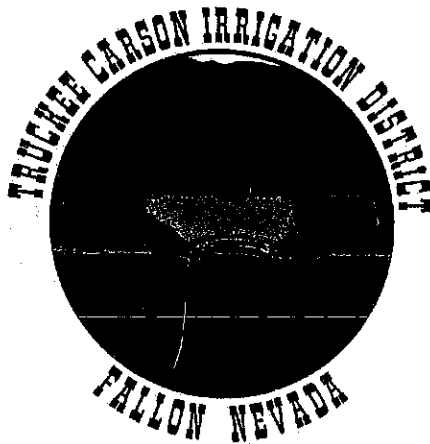
2022 MID PACIFIC WATER USERS CONFERENCE

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2022 MID PACIFIC WATER USERS CONFERENCE

Exhibitors

IWWS
INTERNATIONAL WATER SCREENS

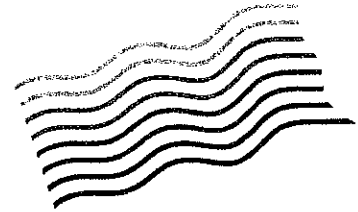


— BUREAU OF —
RECLAMATION



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RUBICON™

The logo for USA North 811, featuring the text "USA NORTH 811" in a bold, black, sans-serif font. A shovel is positioned vertically behind the text, with its handle extending above the "N" and its head below the "1". Below the main text, the slogan "Call 811 Before You Dig" is written in a smaller, outlined font. To the right of the slogan is a shield-shaped icon containing a shovel head.

USA NORTH 811
Call 811 Before You Dig

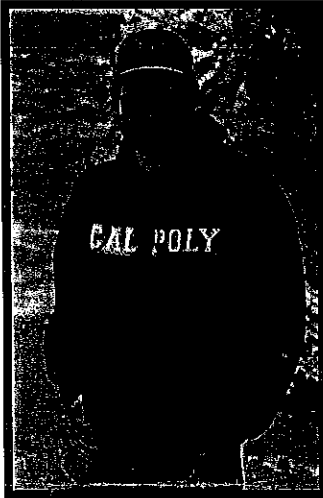
175

Mid-Pacific Water Users' Conference Scholarship

In 2010, the WUC Planning Committee established the Mid-Pacific water Users' Conference Scholarship. The scholarship is available to students pursuing fields of study offered by the BRAE (BioResource and Agricultural Engineering) and ITRC (Irrigation Training and Research Center) departments at Cal Poly San Luis Obispo. Each year, a \$3000 scholarship is awarded to a 2nd year student. The recipient of the scholarship is eligible to receive subsequent \$1500 scholarships for 2 consecutive years provided they maintain a 3.0 GPA. The Cal Poly ITRC staff, led by Dr. Stuart Styles, selects each year's scholarship recipients from the annual BRAE applicant pool. Selections are based on GPA, leadership, and merit.

MEET THE SCHOLARSHIP STUDENTS AT THE FRIDAY BREAKFAST!

CURRENT SCHOLARSHIP RECIPIENTS:



TREVOR TOPHAM is a second-year student at California Polytechnic State University in San Luis Obispo. His major is a BioResource and Agricultural Engineering major and plans on adding an Agricultural Business minor. He has spent the last three summers, a total of nine months, working for Irrigation Design and Construction as part of a field installation crew and a member of their pump department. While working with the field crews, Trevor learned how to install underground irrigation systems for drip, sprinkler, and flood system types. Trevor's time with the pump department taught him how to remove and install multiple styles of agricultural pumps like turbines, submersibles, and short couples.

ANWAR MUSTAFA is a fourth year BioResource and Agricultural Engineering major with an Agribusiness minor at Cal Poly, San Luis Obispo. He currently has a 3.24 cumulative GPA and has been working for the Irrigation Training and Research Center (ITRC) on campus since his Freshman year in 2019. Anwar is also involved in Cal Poly's Agricultural Engineering Society where he poses to be the Cal Poly American Society of Agricultural and Biological Engineers (ASABE) chapter Vice President for the 2021-2022 schoolyear. At the ITRC, Anwar works as an engineering technician where he assists in construction, testing, weather station monitoring as well as irrigation management and planning for ITRC facilities. He also spent the summer of 2020 traveling the Midwest conducting a crop survey for the Bureau of Indian Affairs (BIA) with the ITRC.



TARYN LIU is a third-year BioResource and Agricultural Engineering (BRAE) major at California Polytechnic State University, San Luis Obispo. Currently, she has a 3.792 GPA and has been vice president of the bioresource and modern agriculture club on campus, Grow Crew (which primarily focuses on managing aeroponic, hydroponic, and aquaponic systems), since July of 2020. During the summer of 2021, she was a Counselor and Lab assistant at the Cal Poly EPIC Engineering Camp. She helped teach middle schoolers and high schoolers the basics of circuits, coding, and how to create their own automatic plant watering system with an Arduino. Taryn was also part of one of the panels for the Cal Poly EPIC Engineering Camp where she helped answer any questions students had about the BRAE program and her experience as a Cal Poly undergraduate.

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XIII.

God Sent the Rain, But We Need an Angel to Build the Infrastructure to Manage It

californiaglobe.com/articles/god-sent-the-rain-but-we-need-an-angel-to-build-the-infrastructure-to-manage-it/

Edward Ring

December 28, 2021



If Californians are to avoid a future where they have to endure permanent water rationing because of inadequate water infrastructure, a few members of the economic elite will have to break with the pack. As it is, in the wealthiest, most innovative place on earth, ordinary citizens are being conditioned to accept algorithmically monitored lives of scarcity, supposedly to save the planet. But in reality, scarcity is a convenient way to consolidate political power and economic resources in the hands of existing elites, who count on the multitudes to assuage their downward mobility with online Soma.

178

So who will break with the pack? Who will be an Angel? For a few million dollars, a sum that any one of California's hundreds of mega millionaires might throw down the way normal people buy a latte, an initiative to fund water infrastructure could be placed on the ballot. This, at least, would give Californians a choice.

The More Water Now campaign was formed earlier this year to qualify the Water Infrastructure Funding Act to appear as a state ballot initiative in November 2022. Virtually every expert in California agrees that more water infrastructure is necessary, that conservation alone cannot guarantee a reasonable and reliable water supply to Californians, much less cope with climate change. Projects to capture storm runoff and recycle urban wastewater are urgently needed, and this initiative would provide the funding to get it done.

Nonetheless, the campaign finds itself offering a solution everyone wants, but nobody wants to pay for.

Private sector construction unions, who could enlist hundreds of thousands of their members to sign petitions, have an understandable reluctance to take on the environmentalist lobby. Construction contractors that design and build infrastructure have deep pockets, but don't want to see well funded activists target them in retaliation for their support, jeopardizing existing projects. Water agencies all over California desperately need the funds this initiative would unlock, but worry that the proposals for which they currently await approval would be denied by state bureaucrats with a demonstrated hostility to new infrastructure.

Farmers offer the most poignant example of why the More Water Campaign hasn't attracted more financial support. With no water to irrigate crops, they're just trying to survive. And for the few with the resources to fight, why? They supported the 2014 water bond that passed but still nothing has been built, the 2018 water bond that was narrowly rejected by voters, and the 2020 "Dams not Trains" initiative that didn't qualify for the ballot. Now, with an initiative that focuses as much on urban water recycling as on storing runoff, the farmers expect help from other sectors, as they should.

So where are the Angels? Where is the Angel who famously said "We wanted flying cars, instead we got 140 characters?" Doesn't that reflect a more sweeping sentiment, that we need to invest in genuine productive assets, because the real cost of food, water, energy and housing are higher now than they were forty years ago? Whatever happened to the Silicon Valley mantra of "better, faster, cheaper"? Does that value only apply to cyberspace, and not the real world?

There is a strong environmentalist argument in favor of more water infrastructure. If climate change is a genuine threat, then the need to upgrade California's water infrastructure becomes more urgent, not less. This initiative funds projects to store storm runoff in off-stream reservoirs and underground aquifers. It funds projects to recycle urban wastewater. It leaves the choice of projects to approve up to the Water Commission, which environmentalists can hardly accuse of being hostile to environmentalist priorities.

There is also a compelling economic argument for more water infrastructure, but despite its merit, it has no effective constituency today. Subsidizing water infrastructure is easily a tax neutral proposition, if not positive. By lowering the cost of water, the price of food, utility bills, housing, and all other products and services that depend on affordable water go down. This means the tax revenues spent subsidizing water projects are offset by less government spending on subsidies and rebates to low and middle income households. At the same time, the economic growth enabled by more affordable water creates more profits and more tax revenue.

This simple economic argument, which leans old-school Democrat and decentralizes wealth, used to inform public infrastructure spending without debate. Now it's rarely even discussed, and when it is, it's dismissed by libertarian Republicans as wasteful folly and by progressive Democrats as crony capitalism. But back in the 1930s, the Works Progress Administration publicly funded roads, public buildings, rural electrification, and water infrastructure that are still paying economic dividends today. Similarly, back in the 1950s and 1960s, the California State Water Project publicly funded a water system that, despite decades of neglect, enables millions to live in coastal cities.

It is time to upgrade California's water infrastructure for the 21st century. It is time to upgrade all of California's infrastructure. But thanks to institutional fear and hidden economic agendas, the conventional wisdom is to frame inadequacy as virtue. Where are the rebels with the means to challenge this destiny? Where are the rebels with the temerity to embrace a future of abundance?

Where are the Angels?

180

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Press Release

Delta smelt released into wild for first time

Partners' goal: evaluate release strategies as part of broad efforts to secure and stabilize Delta smelt wild populations

December 17, 2021

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SACRAMENTO — This week, the U.S. Fish and Wildlife Service and the California Department of Fish and Wildlife (CDFW), along with the California Department of Water Resources (DWR) and the U.S. Bureau of Reclamation, experimentally released captively produced Delta smelt into the Sacramento-San Joaquin River Delta. This experimental project will help inform future supplementation of the species in the wild.

Once plentiful in the Delta ecosystem, this annual fish species is now a rare sight in monitoring surveys that provide data on fish abundance. After a recent sustained period of severe drought from 2014-2016 and limited water availability in California, the numbers of Delta smelt remaining in the wild plummeted to record lows. With drought conditions once again returning to California, the need to explore new management techniques for this species is urgent.

Recent studies led by DWR to gauge the survivorship of captively produced smelt in wild conditions helped to pave the way for these releases. The studies found that captively born and raised adult fish not only show very high survival rates when placed in enclosures in the Delta for a month, but that they are capable of growing and feeding in wild conditions as well.

"These preliminary studies have bolstered our confidence that Delta smelt born and raised in hatcheries can acclimate to wild conditions and support recovery of the species," said Dean Messer, Division Manager for DWR's Division of Integrated Science and Engineering. "By working with and leveraging resources from our federal and

181

The Bureau of Reclamation is a federal agency under the U.S. Department of the Interior and is the largest wholesale water supplier in the United States, and the nation's second largest producer of hydroelectric power. Our facilities also provide substantial flood control, recreation opportunities, and environmental benefits. Visit our website at <https://www.usbr.gov> (<https://www.usbr.gov/newsroom/index.html>) and follow us on Twitter @USBR (<https://twitter.com/usbr>); Facebook @bureau.of.reclamation (<https://www.facebook.com/bureau.of.reclamation>); LinkedIn @Bureau of Reclamation (<https://www.linkedin.com/company/bureau-of-reclamation>); Instagram @bureau_of_reclamation (https://www.instagram.com/bureau_of_reclamation/); and YouTube @reclamation (<https://www.youtube.com/user/reclamation>).

The U.S. Fish and Wildlife Service works with others to conserve, protect, and enhance fish, wildlife, plants, and their habitats for the continuing benefit of the American people. For more information about our work and the people who make it happen, visit <https://www.fws.gov/cno/> (<https://www.fws.gov/cno/>) or connect with us via Facebook (<https://www.facebook.com/USFWS/>), Twitter (<https://twitter.com/USFWSNews>), YouTube (<http://www.youtube.com/usfws>), and Flickr (http://www.flickr.com/photos/usfws_pacificsw).

The mission of the U.S. Fish and Wildlife Service is working with others to conserve, protect, and enhance fish, wildlife, plants, and their habitats for the continuing benefit of the American people. We are both a leader and trusted partner in fish and wildlife conservation, known for our scientific excellence, stewardship of lands and natural resources, dedicated professionals, and commitment to public service. For more information on our work and the people who make it happen, visit www.fws.gov (<https://www.fws.gov/>).

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183



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Updating Water Rights Data for California (UPWARD California)

The State Water Resources Control Board (State Water Board or Board) is launching a new project called Updating Water Rights Data for California (UPWARD California) to improve the way the state collects and manages its water rights data and information. California’s water rights data includes information on water use, demand, and when and how water is diverted from streams and rivers. This type of information is critical for data-driven water management decisions, particularly when hydrology affects supply, such as drought. The state’s current water rights data system is outdated and lacks features that would make water rights reporting simpler and public access to information easier. UPWARD California will create a 21st century, modern platform that is crucial for California’s long-term water resilience in the face of ongoing climate change.



What's New

- The vendor solicitation is now open. Interested vendors may submit responses to the solicitation until 12:00 PM on January 28, 2022. More information can be found on the UPWARD Cal eProcure webpage.

 Stay informed

177

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Anthea Hansen

From: Family Farm Alliance Communications <media@familyfarmalliance.com>
Sent: Tuesday, January 25, 2022 12:48 PM
To: Anthea Hansen
Subject: Breaking WOTUS News

[View this email in your browser](#)

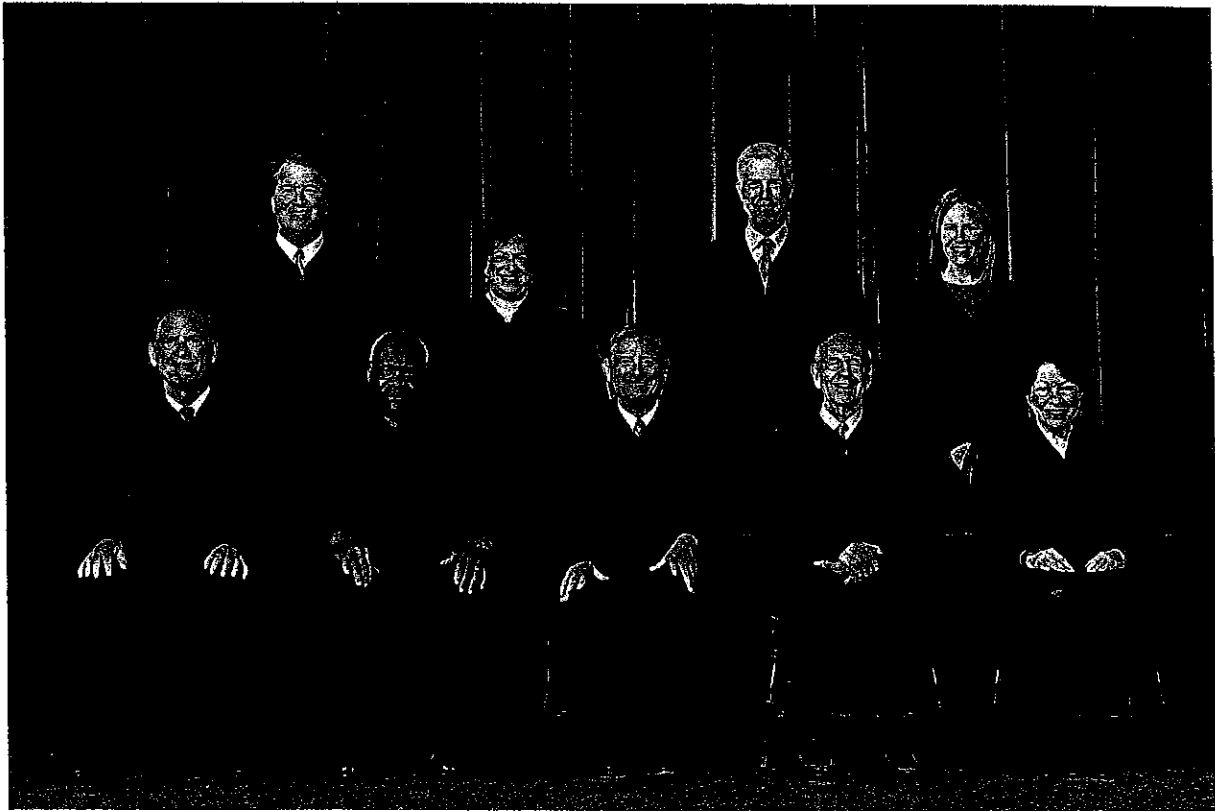


PROTECTING WATER FOR WESTERN IRRIGATED AGRICULTURE

Supreme Court Takes Up Clean Water Act Case

Justice Scalia's WOTUS Test Could Narrow

EPA Jurisdiction Over Navigable Waters



Potentially game-changing news for Western farmers and ranchers hit the headlines yesterday when the U.S. Supreme Court announced that the justices will revisit and potentially limit the scope of Clean Water Act (CWA) precedent. The case to be taken up by the Supreme Court centers on a conflict between an Idaho couple, Chantell and Michael Sackett, and the Environmental Protection Agency (EPA). The Sacketts attempted to build a home on land the EPA claims to be federally protected wetlands under the CWA.

As reported in E&E News, the Supreme Court in 2012 sided with the Sacketts in their battle for judicial review of an EPA order that stopped them from building a house on their land and threatened fines of more than \$30,000 a day. In a short order yesterday, the justices agreed to consider whether the 9th U.S. Circuit Court of Appeals erred when it affirmed that the federal government has permitting authority over the couple's property in northern Idaho.

"The Sacketts' ordeal is emblematic of all that has gone wrong with the implementation of the Clean Water Act," said Damien Schiff, a senior attorney at Pacific Legal Foundation, which represents the Sacketts, in a news release. "The Sacketts' lot lacks a surface water connection to any stream, creek, lake, or other water body, and it shouldn't be subject to federal regulation and permitting."

The interpretation of what qualifies as "waters of the U.S." (WOTUS) under the CWA is the focus of this case.

Justice Anthony Kennedy provided the key vote in the 4-1-4 decision in *Rapanos v. United States* in 2006, where he disagreed with his colleagues on how to determine in which cases the federal government can exercise its CWA authority. In the years since *Rapanos*, federal courts have generally favored Justice Kennedy's "significant nexus" test, which takes a broad view of federal jurisdiction, over Justice Antonin Scalia's narrower definition requiring a wetland to have a continuous surface connection to a regulated water.

Former Justice Kennedy's test had served as the basis for the Obama administration's

179

Clean Water Rule, which the Trump administration later replaced with the Navigable Waters Protection Rule. The Trump rule relied heavily on former Justice Scalia's CWA interpretation. It was struck down by a federal court in Arizona last year, giving the Biden administration a chance to write a brand-new rule.

Yesterday's decision to grant *cert* could provide a fresh perspective of what the language in the CWA really means, one expert told E&E News yesterday.

"They very well could address this whole issue fresh, what we call *de novo*, look at it in light of what the language of the statute really means," said Larry Liebesman, a senior adviser at Dawson & Associates, a consulting firm that specializes in permitting. "With a 6-3 majority conservative, there's a fair chance they may come out with a ruling that's a lot closer to the Scalia interpretation."

Two House Republicans, including Reps. Sam Graves (R-Mo.) and David Rouzer (R-N.C.) called on the Biden EPA to halt the rulemakings until the Supreme Court rules, according to yesterday's article in Bloomberg.

"Given this significant development, the Biden administration should immediately cease its efforts to issue a new WOTUS definition rule that will greatly broaden the federal government's jurisdiction over privately owned land," Reps. Graves and Rouzer said in a joint statement.

In 2019, the Family Farm Alliance submitted extensive formal comments to the EPA and U.S. Army Corps of Engineers in support of the approach to base a new WOTUS rule on former Justice Scalia's plurality decision in the 2006 case *Rapanos v. United States*.

"[T]he plurality's ruling in *Rapanos*, led by Justice Scalia, including important parts of Justice Kennedy's opinion, as the basis for much of the proposed rule, would provide much needed clarity to the definition of WOTUS," the Alliance letter stated.

With *cert* granted in the Sackett case, the Supreme Court could take action in October

that removes the need for the Biden Administration to write a brand-new rule for what constitutes WOTUS under the CWA.

The Family Farm Alliance will continue to cover this important new development closely, while also continuing to advocate for irrigated agriculture with the Biden Administration as they proceed with current rulemaking.

We will continue to keep you informed on this and other developments impacting Western irrigated agriculture.

If you're not a member, join us!



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181