



**DESAL =  
RESILIENCY**

# Conference Schedule (Virtual)

## **Day 1: Wednesday, February 9, 2022 – 12:00 PM – 5:30 PM**

12:00 – Conference Opening and Welcome (Executive Director Glenn Farrel)

### **12:10-1:25 – Session 1 - Resiliency Overview**

Frequent and prolonged droughts – changing precipitation and runoff patterns – unpredictable snowpack – emerging drinking water quality contaminants –damaging wildfires. All of these events seem to be the “New Normal” for California. This session will explore this important backdrop and context for discussing new water supply development to achieve water resilience, protect quality of life within our communities, and sustain our state’s strong economic growth.

- Moderator: **Jeremy Crutchfield**, San Diego County Water Authority
  - **Dan Cayan**, SCRIPPS Institution of Oceanography: Climate Change and Water Supply Threats
  - **Bill Croyle**, PE, Gannett Fleming: Infrastructure Vulnerabilities
  - **Jeff Stephenson**, Water Resources Manager, San Diego County Water Authority: Why Diversification Matters

1:25-1:35 – Break

### **1:35-2:55 – Session 2 – Innovations in Desal**

What’s happening on the cutting edge of our industry? What new technologies, new methodologies, new processes, and new perspectives should we be examining to advance desalination as a reliable, high quality, energy efficient, and cost-effective resource? This session will allow an opportunity for the innovators in our industry to share emerging news, information, and perspectives.

- Moderator: **Tim Hogan**, Principal, TWB Environmental Research and Consulting
  - **Neal Aronson and Joan Leal**, Oceanus Water and Power: Integrated Pumped Hydro Reverse Osmosis Clean Energy Systems
  - **Andrew Bouma**, Massachusetts Institute of Technology: Opportunities for Shared Infrastructure and Carbon-free Desalination at Diablo Canyon
  - **Mike Dixon**, CEO, Synauta: Use of Artificial Intelligence to Optimize Desalination Plant Operations
  - **Dragan Tutic**, CEO and Co-Founder, Oneka Water: Advancements in Wave-Powered Desalination

2:55-3:00 – Break

**3:00-3:55 – Session 3 – Project Financing, Economics and Affordability, Grants**

Water affordability is increasingly an important policy discussion in California's water circles. Opponents of desalination have consistently pointed to cost of desalinated water as one determinative factor in slowing down and halting important water resilience projects. This session will provide a focused attention on the economics of desalination and explore the dollars and cents of the issue.

- Moderator: **Tom Pankratz**, Editor, Water Desalination Report
  - **Sanjay Gaur**, Principal Consultant, Water Resources Economics, LLC
  - **David M. Moore**, Managing Director, Clean Energy Capital San Francisco
  - **Sean Sou** – Supervising Engineer, Department of Water Resources - Statewide Infrastructure Investigations Branch, Division of Planning

**3:55-4:25 – Kyle Frazier – Executive Director, Texas Desalination Association**

The Executive Director of our colleague industry association in Texas – the Texas Desalination Association – will share his perspectives on the desalination industry from a decidedly Texan angle.

4:25-4:35 – Break

**4:35-5:25 – Virtual Facilities Tour and Q&A (Joe Monaco, President and CEO, DUDEK)**

- **Brandon Yallaly**, Carollo Engineers: Chino Basin
- **Steve Wait**, IDE: Abeline Desalter

Wrap up and Reminder of Day 2 Conference Activities (**Executive Director Glenn Farrel**)

## **Day 2: Thursday, February 10, 2022 – 9:00 AM – 12:30 PM**

9:00 – Welcome (Executive Director Glenn Farrel)

### **9:05-10:20 - Session 4 – Debunking the “Ocean Killer” Myth**

When it comes to ocean water desalination, the myths about energy consumption, high cost, and environmental damage are abundant and rampant. This session promises to tackle one of the more persistent myths about seawater desalination as an “Ocean Killer.”

- Moderator: **Eric Miller**, Miller Marine Sciences
  - **John Burnett**, ISI Screens
  - **Al Preston**, Geosyntec: West Basin’s *Shear Mortality Diffuser Study*

10:20-10:30 – Break

### **10:30-11:00 – Keynote Speaker – Jim Wunderman, Bay Area Council**

Jim Wunderman has led more than 325 member companies of the Bay Area Council to become positioned as a leading voice for business and the economy on a wide range of issues, including California water policy. Jim regularly appears on the list of the state’s Top 100 political movers and shakers. Governors, mayors, legislators, foreign leaders, and top business executives regularly seek Jim’s input and guidance on key issues and he makes regular appearances and provides commentary across a wide range of news media.

11:00-11:10 – Break

### **11:10-12:20 - Session 5 – Piloting Experiences – Pathways to Piloting 2**

This may be the most anticipated sequel of 2022! After a highly successful Pathways to Piloting program for CalDesal during 2021, the CalDesal Chair – Mark Donovan – is back with even more spotlights on recent desalination piloting experiences in California.

- Moderator: **Mark Donovan**, CalDesal Board Chair
  - **Alex Waite**, P.E., Process Engineer, City of Santa Monica, Public Works Department: City of Santa Monica: High Recovery RO Pilot Testing
  - **Tim Hogan**, TWB Environmental Research and Consulting: Carlsbad Desalination Project: Intake Screen Pilot Study Update
  - **Mak Shatila**, Michael Baker International: Camp Pendleton Desalination Intake Pilot Test Planning
  - **Andrew Schevets**, Founder, Lead Engineer, Amorphous Tech Ltd: Energy Recovery for Small Brackish Desalination Systems

12:20 – Final Remarks and Conference Close (Chair Mark Donovan and ED Glenn Farrel)

12:30 Adjourn

