



# ***Water 101 Workshop***

***February 7, 2019***

***McGeorge School of Law  
3327 5<sup>th</sup> Avenue  
Sacramento, CA***

UNIVERSITY OF THE  
**PACIFIC**  
McGeorge School of Law



**WATER EDUCATION  
FOUNDATION**

## ***Course Description:***

A daylong course on California water basics & hot topics, with an optional second-day Groundwater Tour

**8:30 a.m.**

**Registration: Coffee and Pastries**

**9:00 a.m.**

**Introduction and Course Outline**

**Jennifer Bowles, Executive Director, Water Education Foundation**

**9:10 a.m.**

**California's Natural Water Endowment**

**Byron Buck, Water Resources Consultant, Westervelt Ecological Services**

## **Water Geography, History and Hydrology**

### **Surface Water - Major Delivery Systems**

- The Gold Rush
- State Water Project
- Central Valley Project
- Bay Area
- Southern California

### **Wild & Scenic Rivers**

### **Groundwater**

### **Flood Management**

### **Alternative Supplies**

- Ocean Desalination
- Water Recycling
- Water Conservation
- Stormwater Capture
- Water Transfers

### **Discussion – Questions & Answers**

**10:15 a.m. Break**

**10:30 a.m. Summary of California Water Rights Systems**  
**Jennifer Harder**, *Associate Professor, McGeorge School of Law*

- Riparian Rights
- Appropriative Rights
- Reasonable and Beneficial Use
- Public Trust Law and Cases
- Tribal Water Rights
- Groundwater Rights

**Discussion – Questions & Answers**

**11:45 a.m. Lunch**

**12:15 p.m. Current Issues in California Water Management**  
**Jay Lund**, *Director of the Center for Watershed Sciences and Distinguished Professor of Civil and Environmental Engineering, UC Davis*

- Actions and consequences leading to today's Delta issues
  - Water quality standards for rivers flowing into the Delta
  - Tunnel proposal
- Ecosystem Management
- System Infrastructure
- Disadvantaged Communities
  - Water tax?
- Climate Change, Drought/El Niño/La Niña
- Salton Sea

**Discussion – Questions & Answers**

**1:15 p.m. Break**

**1:30 p.m. The Water Education Foundation**  
**Jennifer Bowles**, *Executive Director, Water Education Foundation*

- Resources for continued learning
- *Western Water* news & other free publications

**1:45 p.m. Groundwater: The Sustainable Groundwater Management Act**  
**Kevin O'Brien** *Partner, Downey Brand LLP*

- Groundwater as a Resource
- SGMA Overview
- What's ahead for SGMA

**Discussion – Questions & Answers**

**2:30 p.m. Break**

2:45 p.m.

### **Legal and Institutional Management Framework**

**Holly Roberson**, *Attorney, Kronick Moskowitz Tiedemann & Girard*

#### **Water Management Institutions**

- California Department of Water Resources/State Water Project
- State Water Resources Control Board/Regional Water Quality Control Boards
- Bureau of Reclamation/Central Valley Project
- Fish and Wildlife Resource Agencies
- Delta Stewardship Council
- California Water Commission
- Delta Conservancy
- Regional and Local Water Districts
- CPUC-regulated Water Districts

#### **Summary of Governing Laws**

- Clean Water Act
- Safe Drinking Water Act
- Porter-Cologne Water Quality Control Act
- Endangered Species Acts – State and Federal
- Environmental Review Laws – State and Federal
- Delta Reform Act

#### **Discussion – Questions & Answers**

3:45 p.m.

#### **Break**

4:00 p.m.

### **Understanding and Working with the State Legislature**

**Dennis O'Connor**, *Principal Consultant for the Senate Committee on Natural Resources and Water*

- The real-life process of passing landmark legislation – How you can participate
- Current and future water issues in the California Legislature
- Legislative priorities

#### **Discussion – Questions & Answers**

5:00 p.m.

### **Adjourn to Reception & Pick Up Certificates of Class Completion**

- Reception at Seminar Room, adjacent to the Lecture Hall, sponsored by Kronick Moskowitz Tiedemann & Girard