



Water 101 Workshop

February 22, 2018

*McGeorge School of Law
3200 5th Avenue, Classroom C
Sacramento, CA*

Course Description:

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

- 8:30 a.m. Registration: Coffee and Pastries**
- 9:00 a.m. Introduction and Course Outline and Summary**
Jennifer Bowles, Executive Director, Water Education Foundation
- 9:10 a.m. California's Natural Water Endowment**
Byron Buck, Water Resources Consultant
- 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, *Assistant 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.

The Delta: An Up-Close View

Keith Coolidge, *Executive Manager of External Affairs, Delta Stewardship Council*

- Overview of the Delta and its importance to California water
- Actions and consequences leading to today's Delta issues
- Making sense of the Delta's numerous players and plans
- Latest on the Delta tunnel proposal
- Things to think about during the tour

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.

Climate Change Impacts to Water Resources

John Andrew, *Assistant Deputy Director, California Department of Water Resources*

- Water, Energy and Carbon
- Climate Change Impacts to Water Resources
- Adapting to Climate Change

Discussion – Questions & Answers

2:30 p.m.

Break

2:45 p.m.

Legal and Institutional Management Framework

Peter Kiel, *Partner, Ellison Schneider Harris & Donlan LLP*

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
- Water Laws
- Sustainable Groundwater Management 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 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 and Answers

5:00 p.m.

Adjourn & Distribution of Certificates of Class Completion