



WATER EDUCATION FOUNDATION

Water 101 – The Basics and Beyond February 18 & 19, 2014

Meeting Location:
*UC Davis- Extension
1632 Da Vinci Court
Davis, CA
Rooms 25 & 29*

Course Description:

A day-and-a-half course on California water basics and water district board member governance

Targeted Audience:

Entry to mid-level water resource industry staff, engineering, environmental firm personnel, legislators, legislative staff, advocates, stakeholders, environmentalists, public interest organizations and water district directors.

Agenda

Tuesday February 18

8:30 a.m. **Introduction and Course Outline and Summary**
Rita Schmidt Sudman, *Executive Director, Water Education Foundation*

9:00 a.m. **California's Natural Water Endowment**
Byron Buck, *Executive Director, State and Federal Contractors Water Agency*

Water Geography and Hydrology

Surface Water - Major Delivery Systems

- State Water Project
- Central Valley Project
- Bay Area
- Southern California

Groundwater

Types of Water Delivery Institutions

- Private
- Public

Discussion - Questions and Answers

10:00 a.m.

Break

10:30 a.m.

Summary of California Water Rights Systems

Elizabeth Ewens, *Attorney, Ellison, Schneider & Harris LLP*

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

Discussion – Questions and Answers

11:30 a.m.

Lunch

12:15 p.m.

Current Issues in California Water Management

Lester Snow, *Executive Director, California Water Foundation*

Four critical areas of concern to manage California's water

- Integrated Water Management – What tools are available?
- Water Use Efficiency – How much can we get from these sources?
- Groundwater Management – Options in a drought year
- The Delta – Central Valley River Systems – An ecosystem in decline

Water Demand and Components

- Typical urban demand by location; demand characteristic variations
- Urban water conservation and outcomes
- Water recycling
- Agricultural demand and components
- Crop types by region
- Irrigation methods
- Irrigation conservation and outcomes

Discussion - Questions and Answers

1:15 p.m.

Water 4.0: The Past, Present and Future of the World's Most Vital Resource

David Sedlak, *Professor of Civil and Environmental Engineering, University of California, Berkeley*

Deputy Director, National Science Foundation's Center for Reinventing the Nation's Urban Water Infrastructure

An insider's look at current systems

- Three Revolutions in urban water systems
- What's in store for California cities as water gets tighter
- Technologies that will remake the system

Discussion: Questions and Answers

2:15 p.m.

Break

2:30 p.m.

Legal and Institutional Management Framework

Scott Morris, *Attorney, Kronick Moskowitz Tiedemann and Girard*

Summary of Governing Laws

- Clean Water Act
- Safe Drinking Water Act
- Porter Cologne Water Quality Act
- Endangered Species Acts – State and Federal

Water Management Institutions and Stakeholder Groups

Government Agencies

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

Major Constituency Groups and Agencies

- Director of Water Interests

Discussion – Questions and Answers

3:30 p.m.

Break

3:45 p.m.

Understanding and working with the State Legislature

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

- Current composition of the California legislature
- Proposed Legislation

Discussion – Questions and Answers

4:30 p.m.

Bringing it all together – Discussion with the Faculty

5:00 p.m.

Adjourn

Agenda

Wednesday, February 19

Primer for Public Water Agency Directors

9:00 a.m.

Governance Primer for Water District Directors

Valerie C. Kincaid, *Attorney, O'Laughlin & Paris LLP*

- Role and Responsibilities of a Water District Director
- Building an Effective Board
- The Brown Act – basic requirements
- The Fair Political Practices Act – basic requirements
- Conflict of Interest Code
- Requirements for Ethics Training
- Avoiding common legal and political pitfalls for Directors

Discussion - Questions and Answers

10:30 a.m.

Break

11:00 a.m.

Explaining water issues in a Multimedia World

Tom Philp, *Executive Strategist, Metropolitan Water District of Southern California*

2005 Pulitzer Prize Winner, Editorial Writing

- Understanding the News Media
- Using Social Media

Discussion - Questions and Answers

12:30 p.m.

Distribution of Certificates of Class Completion

Adjourn