



**American Water Works
Association**

AWWA and the Water-Energy Nexus

Cynthia Lane, P.E.

**Regulatory Affairs – Climate and Sustainability Programs
American Water Works Association**

Who Is AWWA?

- An international nonprofit and educational society
 - **Largest and oldest organization of water professionals in the world**
- Members include full spectrum of the water community:
 - **Treatment plant operators and managers**
 - **Scientists**
 - **Manufacturers**
 - **Academics**
 - **Regulators**
- Over 55,000 members
- More than 4,600 utilities that supply water to roughly 180 million people in North America

AWWA Provides...

- **Training and education related to issues facing the drinking water sector**
- **Conferences:**
 - ACE10 (Chicago, June 20-24)
 - Annual conference with 12,000 attendees
 - Water Quality and Technology
 - Utility Management
 - Sustainable Water Management

AWWA Provides...

— **Webcasts:**

- Offer approximately 25 webcasts annually
- Typically two hours long with 3-4 speakers
- Topics range from regulatory to treatment
 - Public Outreach Planning & Programs for Water Conservation
 - Advances in Emergency Preparedness
 - Water Tank Storage

— **AWWA eLearning**

- Online instruction
- Currently offering 75 classes

AWWA Provides...

— Publications:

- Journal AWWA (monthly professional journal)
- Opflow (monthly publication for operators)
- Streamlines (biweekly electronic newsletter)

— Videos:

- Water operator training
- Customer service
- Safety and security

AWWA Provides...

— Other Professional and Technical Resources:

- AWWA Standards (155 total) and Manuals of Practice (45 total)
- Operator Assistance resources
- Information for Small Systems, including capacity assessment tool
- Water utility survey reports
- Resources on timely water science topics
- Extensive utility management programs and resources, including QualServe, Benchmarking, and Effective Utility Management (EUM)
- Water efficiency resources at the WaterWiser clearinghouse
- Water Infrastructure Security Enhancement (WISE) resources

AWWA Work on Energy Management

— Two committees:

– Energy Management Committee

- **Mission:** To provide timely and useable energy management information for members of the water works industry, which will encourage efficient and cost-effective energy use.
- Currently working on an Energy Management Handbook
- Organize technical sessions at ACE, the Utility Management Conference, Sustainable Water Resources Conference

– Plant Operations & Energy Management Research

- Newly formed and less active

— Numerous articles in *Journal AWWA*

AWWA Presentations on Energy

— **Utility Management:**

- Energy Management
- Community Sustainability through Infrastructure Planning
- How DC and CA are Advancing the Energy/Water Linkages

— **Sustainable Water Resources:**

- Topics on Energy Efficiency and Water Supply
- Energy Use and Water Supply
- Modeling for a Safe, Secure & Sustainable Water Supply
- Motivating Water Conservation

— **ACE10:**

- Sustainable Energy Management
- Sustainability in Water Treatment Facility Design & Construction

Needs and Barriers to Implementation

— **Needs:**

- Detailed case studies of the implementation of energy efficiency programs
- Guidance on step-by-step work flow

— **Barriers:**

- Used to current operation and unwilling to change
- Utilities do not know how to get started
 - Background data sets
 - Partners
 - Staff resources

— **How do we build demand for energy efficiency programs and tools at drinking water utilities?**

Messaging to Our Members

- **Articles through our Streamlines publication and Journal**
- **Co-host webcasts with interested parties**
- **Organize a session at one of the conferences**
- **Develop online course on energy efficiency methods**
- **Develop white paper**

Questions?

Cynthia Lane

American Water Works Association

Government Affairs Office

1300 Eye Street NW, #701W

Washington, DC 20005

(202) 326-6122

clane@awwa.org