

Registration Information

11th Annual Drinking Water Protection Seminar
Maine's Future Water Landscape

September 7, 2017

8:30 - 3:30

Governor Hill Mansion, 136 State St., Augusta

6 TCH for Water Operator Licensure

Registration Cost: \$45

Student Rate: \$30

Register online at www.mwua.org
or mail in registration form & payment to:

Maine Water Utilities Association
150 Capitol Street, Suite 5
Augusta, ME 04333

Name: _____

Company: _____

Address: _____

Phone #: _____

Email: _____

Who should attend?

Water and wastewater system managers, municipal decision makers, land use planners, regulators, lake association directors and staff, watershed group directors and staff, land trust stewards, professional engineers, environmental consultants, and anyone who values and appreciates the social, economic, and environmental benefits of clean water.

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Augusta



MWUA
Maine Water Utilities Association
Organized 1925

Partial funding provided by the
Maine CDC - Drinking Water Program

About the Seminar

What does the future have in store for Maine's drinking water? This seminar will explore the uncertainties of funding, climate, and development in an informative and engaging format. There will be presentations from leading experts followed by interactive panel discussions.

Agenda

- 8:00** Registration opens
- 8:30** Welcome and introduction
- 8:45** On the future of drinking water regulation
- The View from Augusta
 - The View from Boston
- 9:45** Break
- 10:00** On extreme storms and climate projections
- Precipitation Patterns, Water Management, and Changing Climate
 - Climate Related Changes in the Hydrology of New England
 - Investigating the Response of Maine's Drinking Water Lakes to Extreme Precipitation Events
 - Changing Climate and Maine Lakes - Data from the Lakes Region
- 12:00** Lunch
- 12:45** Panel discussion on climate, hydrology, and lakes
- 1:15** On managing development in drinking water protection areas
- The Challenges of Developing a New Drinking Water Source
 - Protecting What you Have
 - Working with Municipal Officials - A City Manager's Perspective
- 3:00** Panel discussion on managing new and existing development near water sources
- 3:30** Adjourn

Seminar Presentations

On the future of drinking water regulation

How we'll manage our drinking water supplies in the future will be influenced by changes in regulation and trends in funding at both the Federal level (Environmental Protection Agency) and the State level (Maine Drinking Water Program). The new administration in Washington brought about proposals for big changes at EPA. If these proposals are put into effect, impacts will be felt at the state level. These proposed changes have not completed their journey through the legislative process in Washington and therefore, much of the future of regulation and funding is still unknown. Our two speakers – one from EPA and one from the DWP – will provide as much detail and guidance as they can based on what is known and expected at this time



The View from Augusta
Roger Crouse, Director
Maine Drinking Water Program



The View from Boston
Chris Ryan,
US Environmental Protection Agency - Region 1

On extreme storms and climate projections

Recent years have brought changes in long-standing patterns of weather and storms in our region. You will hear from four scientists who have spent years studying water data at various scales and will share some of their findings. Two of the talks will look at weather, climate and hydrology and two will focus on Maine lakes.

Precipitation Patterns, Water Management, and Changing Climate

Chris Kimble, Meteorologist,
National Weather Service



Climate Related Changes in the Hydrology of New England

Glenn Hodgkins, Research Hydrologist
New England Water Science Center
US Geological Survey



Investigating the Response of Maine's Drinking Water Lakes to Extreme Precipitation Events

Kate Warner, Graduate Student
University of Maine Climate Change Institute

Changing Climate and Maine Lakes – Data from the Lakes Region

Amanda Pratt, Researcher
Lakes Environmental Association



On managing development in protection areas

Clean sources of drinking water are precious. Just ask someone who has tried to develop a new one. Maine has over 2000 sources of public drinking water and each has some type of human development activity nearby. So, the most persistent threat to the future of our water supplies is ... us. Our first speaker will talk about the challenges encountered by the Greater Augusta Utility District when developing a new public water supply well. Then we'll hear from a hydrogeologist who works around the state assisting communities in the protection of their existing water supplies. Our third speaker will talk about how although protecting a water supply is largely the responsibility of the water utility, managing proposed development is usually the responsibility of city or town governments. Thus, working cooperatively with local governments is a key source protection tool.



The Challenges of Developing a New Drinking Water Source

Andrew Begin, P.E., Assistant General Manager/Chief Engineer
Greater Augusta Utility District

Protecting What You Have

Susan Breau, Hydrogeologist
Maine Rural Water Association

Working with Municipal Officials – A City Manager's Perspective

Catherine Conlow, City Manager
City of Bangor