Integrated Water Planning & Management: Opportunities and Challenges

Madera Region Integrated Regional Water Management

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In this presentation from Madera County Speakers will give an overview of California's Integrated Regional Water Management and the local benefits, including projects funded. They will focus on how this voluntary funding and planning program brings diverse water interests to the table and how it interfaces with regulatory requirements as well.

Jeannie Habben
As the Deputy Director of Water and Natural Resources of Madera County, Jeannie works in three areas: Groundwater/Sustainable Groundwater Management Act, Flood Management, and Watershed Health. As part of watershed health, Jeannie has been deeply involved with the Integrated Regional Water Management in California since the inception.

Stephanie Anagnoson
As Director of Water and Natural Resources for Madera County, Stephanie has worked in both the urban and rural sectors for water. Stephanie is a geologist and oversees the department, which includes three groundwater sustainability agencies and a flood control agency. She has worked in programs funded through California's Integrated Regional Water Management since 2010.

Fostering Regional Collaboration to Improve Water Supply Resiliency

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The Inland Empire Utilities Agency (IEUA) is a regional agency serving approximately 875,000 people in San Bernardino County, California. Originally established in 1950 as a wholesale supplier of imported water, IEUA is today a regional custodian of water resource reliability and resiliency providing a wide range of supporting services. Central to this mission, IEUA facilitates Integrated Water Resource Planning among local water suppliers and other stakeholders. The region relies on a complex portfolio of imported water, local surface water, groundwater, recycled water, and storm water supplies - all vulnerable in varying degrees to climate change, infrastructure resiliency, and water quality impairment. This presentation will describe how IEUA's regional water supply infrastructure model has been used to "stress test" the regional water supply system by simulating drought, interruption of imported water, and regulatory changes affecting the use of local groundwater related to contaminants such as per- and polyfluoroalkyl substances (PFAS) and other contaminants of emerging concern (CEC's). Clearer understanding and communication about these shared challenges supports collaborative planning by local water suppliers and stakeholders to address them.

Dan Haddock
Dan is a Principal Engineer and the Director of Water Utility Services at INTERA. He has over 25 years of experience in planning, development and management of water resources and infrastructure. Dan has firsthand knowledge of the utility business as a former engineering manager for 35 water and

wastewater utilities in Indiana, Illinois, Ohio, and Michigan. In that role, he oversaw master planning, water resource development, capital investment program management and project delivery, and support for operations, regulatory matters, and water rates. Dan is active in professional organizations, holding leadership roles in national AWWA committees, and is a licensed professional engineer in multiple states.

Developing New York City forward-looking One Water Plan

Erin Morey, Director of Demand Management and Resilience Policy, New York City Department of Environmental Protection
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The New York City Department of Environmental Protection (DEP) is the largest combined water and wastewater utility in the country. With over eight million water and sewer customers, DEP recognizes the need for cost-effective ways to manage the City's water resources, while also prioritizing climate resiliency, customer affordability, equity, state of good repair, regulatory requirements, and other critical goals. To accomplish this, DEP is embracing an integrated water management framework and is working to develop a One Water plan. This presentation will describe how DEP will build on past successes and plans, including the Watershed Protection Program and Wastewater Resiliency Plan, plus DEP's drivers, objectives, challenges, and opportunities, in developing a forward-looking One Water plan for New York City.

Erin Morey
Erin is the Director of Demand Management and Resilience Policy at the New York City Department of Environmental Protection (DEP), where she advances strategic planning and programming for drinking water, stormwater, and wastewater sustainability in DEP's Integrated Water Management group. Erin has 9 years of experience in water resources planning and policy and holds a Master of Public Administration degree from Columbia University and Bachelor of Arts degree from Oberlin College.