

## **National Drinking Water Advisory Council Climate Ready Water Utilities Working Group**

### **Working Group Charge**

The charge for the CRWU Working Group is to evaluate the concept of “Climate Ready Water Utilities” and provide recommendations to the full NDWAC on the development of an effective program for drinking water and wastewater utilities, including recommendations to: (1) Define and develop a baseline understanding of how to use available information to develop climate change adaptation and mitigation strategies, including ways to integrate this information into existing complementary programs such as the Effective Utility Management and Climate Ready Estuaries Program; (2) Identify climate change-related tools, training, and products that address short-term and long-term needs of water and wastewater utility managers, decision makers, and engineers, including ways to integrate these tools and training into existing programs; and (3) Incorporate mechanisms to provide recognition or incentives that facilitate broad adoption of climate change adaptation and mitigation strategies by the water sector into existing EPA Office of Water recognition and awards programs or new recognition programs.

### **Designated Federal Officer**

*Lauren Wisniewski*  
Environmental Engineer  
U.S. Environmental Protection Agency

### **National Drinking Water Advisory Council Members of Working Group**

*Jeff Cooley*  
Utilities Division Operations Manager,  
City of Vacaville, California

*Duane Smith*  
Executive Director  
Oklahoma Water Resource Board

*Olga Morales-Sanchez*  
Rural Development Specialist  
Rural Community Assistance Partnership

*Lisa Sparrow*  
President  
Utilities Inc.

### **Working Group Members**

*Matt Appelbaum*  
Council Member  
City of Boulder, Colorado

*Katherine Baer*  
Senior Director, National Clean Water  
Program  
American Rivers

*George Crombie*  
Senior Faculty Member,  
Public Works Administration,  
Norwich University,  
School of Graduate Studies

*Patrick Davis*  
Sustainability Manager  
Orange Water and Sewer Authority

*Paul Fleming*  
Manager, Climate and Sustainability  
Seattle Public Utilities

*Cindy Forbes*  
Chief, Southern CA Field Operations  
Branch  
California Department of Public Health

*Rex Kontz*  
Deputy General Manager  
Navajo Tribal Utility Authority

*Gregory McKnight*  
Security and Emergency Response  
Coordinator  
Washington State Department of Health,  
Office of Drinking Water

*Patricia Mulroy*  
General Manager  
Las Vegas Valley Water District /Southern  
Nevada Water Authority

*Antonio Quintanilla*  
Assistant Director of Maintenance and  
Operations  
Metropolitan Water Reclamation District of  
Greater Chicago

*Sri Rangarajan*  
Adjunct Professor  
Columbia University

*Stephen Schmitt*  
Vice President, Operations Services  
American Water

*Marcia St. Martin*  
Executive Director  
Sewage and Water Board of New Orleans

*Michael Wallis*  
Director of Operations and Maintenance  
East Bay Municipal Utility District

*Rebecca Weidman*  
Director of Water Resource Protection  
New England Interstate Water Pollution  
Control Commission

*Rebecca West*  
Director of Technical Services  
Spartanburg Water

*Paul Whittemore*  
Board Member - New Hampshire  
National Rural Water Association

*Douglas Yoder*  
Deputy Director  
Miami-Dade Water and Sewer Department

## **Federal Partners**

*Veronica Blette*

Chief, WaterSense Branch,  
U.S. Environmental Protection Agency

*Geoffrey Bonnin*

Chief, Hydrologic Science and Modeling  
Branch, National Oceanic and Atmospheric  
Administration

*Joan Brunkard*

Division of Parasitic Diseases, Centers for  
Disease Control and Prevention

*Kim Fox*

Division Director, Water Infrastructure  
Protection,  
U.S. Environmental Protection Agency

*Becky Fulkerson*

External and Intergovernmental Affairs  
Office, Bureau of Reclamation

*James Goodrich*

Acting Director, Water Supply and Water  
Resources Division,  
U.S. Environmental Protection Agency

*Juliette Hayes*

Community Planner, FEMA, Region IX,  
Mitigation Division

*Michael McGeehin*

Director, Division of Environmental Hazard  
Preparedness and Emergency Response,  
Centers for Disease Control and Prevention

*Roger Pulwarty*

Director, National Integrated Drought  
Information System Program Office,  
National Oceanic and Atmospheric  
Administration

*Marty Savoie*

Research and Development Center,  
U.S. Army Corps of Engineers

*Frederick Sharrocks*

Chief, Assessment and Planning Branch,  
FEMA Mitigation Directorate

*Mark Sudol*

Institute for Water Resources, U.S. Army  
Corps of Engineers

*David Travers*

Director, Water Security Division  
U.S. Environmental Protection Agency

*Paul Wagner*

Ecologist, Institute for Water Resources,  
U.S. Army Corps of Engineers

*Phil Zahreddine*

Chief, Municipal Technology Branch  
U.S. Environmental Protection Agency