

Water-Energy Greenhouse Gas Guidance PILOT PROGRAM



The Water-Energy-GHG (WEG) Guidance, a new methodology to quantify the greenhouse gas (GHG) intensity of water delivered to Southern California, provides a consistent means for water suppliers, their customers, potential funders, and the public to compare and analyze the GHG emissions associated with water management and delivery in Southern California. The Climate Registry (TCR) and Southern California Edison (SCE) are now hosting an innovative pilot project to beta-test the WEG Guidance with water suppliers throughout the SCE service area.

With support from water suppliers participating in the pilot, TCR will:



Assist agencies in gathering, organizing and reviewing the data required to develop and report a comprehensive GHG inventory, if agencies are not already doing so;



Assist agencies in developing one or more WEG intensity metric, depending on the data and resources available to them;



Provide a summary of data gaps, lessons learned, next steps, and remaining challenges to each water agency such that they can improve the accuracy, credibility, and completeness of their WEG intensity metrics going forward.



Develop a WEG intensity metric calculation tool, which complements and expands upon existing water-energy intensity calculation tools.

Special thanks to participating water agencies:

California American Water
City of Brea
City of Huntington Beach
City of Pomona
City of Santa Barbara
City of Santa Monica
City of Ventura
Cucamonga Valley Water District

Eastern Municipal Water District
Golden State Water Company
Inland Empire Utilities Agency
Irvine Ranch Water District
Metropolitan Water District
Suburban Water
Walnut Valley Water District
West Basin Municipal Water District

Program Background

Nearly eight percent of California's electricity consumption is associated with water and wastewater operations, resulting in both a significant portion of California's energy demand and greenhouse gas (GHG) emissions. An improved understanding of the emissions associated with each step in the water management cycle will help agencies to optimize efficiency and reduce emissions. However, standardized methodologies designed to measure, account for, and track the emissions intensity of these operations have not yet been available.

To address this, The Climate Registry (TCR) developed the Water-Energy-GHG (WEG) Guidance, a new methodology to quantify the GHG emissions intensity of water delivered to Southern California, as part of the Cool Planet Project with support from Southern California Edison (SCE). The WEG intensity metrics developed under this guidance will provide a consistent means for water suppliers, their customers, potential funders, and the public to compare and analyze the GHG emissions associated with California's water treatment and delivery.

TCR and SCE are currently hosting an innovative pilot for water agencies located in SCE service territory to test the WEG Guidance throughout 2017. Participating water agencies will have the opportunity to learn about the WEG Guidance through discussions with TCR and their peers, and will receive a final summary and recommendations report that details the lessons learned throughout the process. These SCE customers will be among the first to explore the GHG intensity of water delivered to their customers, and will benefit from being early actors in furthering California's understanding of how water management operations can be optimized to enhance GHG emission reductions.



About Cool Planet

The Cool Planet Project, administered in partnership with SCE, provides eligible SCE business customers membership into TCR to access the tools to calculate, verify, and publicly report their GHG footprint as a reward for participating in demand response and/or installing energy efficiency projects.

About The Climate Registry

TCR is a non-profit governed by U.S. states and Canadian provinces and territories. TCR designs and operates voluntary and compliance GHG reporting programs globally, and assists organizations in measuring, reporting and verifying (MRV) the carbon in their operations in order to manage and reduce it.