



# WATER-ENERGY NEXUS REGISTRY

## Join the Water-Energy Nexus Registry!






The Water-Energy Nexus Registry is a **voluntary state-wide greenhouse gas (GHG) reporting program** that allows participants to **measure, track, and mitigate the GHG emissions associated with California's water system**. It is an initiative of the California Environmental Protection Agency (CalEPA) and is being administered by The Climate Registry. The Water-Energy Nexus Registry will help us better understand the emissions associated with each process in the water management cycle. It will also help organizations:

- Make more efficient use of funding
- Make informed decisions that drive innovation and support more resilient infrastructure
- Identify operational efficiency and GHG reduction opportunities
- Understand energy use and GHG emissions impact
- Inform climate action plans with accurate baseline data

**The Water-Energy Nexus Registry is sponsored by CalEPA, which enables organizations with operations in California to participate at no cost.**



## Benefits of Participating

-  FREE training, tools and support
-  Recognition opportunities through the Water-Energy Leader Program
-  Excellent planning tool for identifying and prioritizing operational efficiencies, potential GHG reductions, capital investments and expenditures
-  Consistent approach for measuring and accounting for GHGs and their impacts
-  High-quality data you can use to demonstrate leadership to your stakeholders

### 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.

### Contact Us

For more information on the Water-Energy Nexus Registry, contact us at [wen@theclimateregistry.org](mailto:wen@theclimateregistry.org), call our help desk at (866) 523-0764, ext. 3 or visit our website: [www.theclimateregistry.org](http://www.theclimateregistry.org)



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## Case Study: IRVINE RANCH WATER DISTRICT

Irvine Ranch Water District (IRWD), an independent special district serving Central Orange County, California, has been reporting its greenhouse gas (GHG) emissions to The Climate Registry (TCR) since 2008 and submitting its emissions data to third-party verifiers since 2011. IRWD joined the Water-Energy Nexus Registry as a Founder in May 2019.



Reporting its emissions to TCR helped IRWD to identify that its Scope 2 emissions from purchased electric power were key to reducing its GHG emissions. During its time as a TCR member, IRWD has developed a biogas production facility and two solar power projects to generate its own energy from renewable resources, along with battery storage facilities to capture the energy it purchases from its local utility Southern California Edison during off-peak hours when costs are lower.

*“The implementation of energy efficiency and energy management initiatives has enabled Irvine Ranch Water District to achieve co-benefits of reduced power consumption, lowered Scope 2 emissions, and water service at the lowest possible cost to customers,”* said Dane Johnson, Water Resources Planner for IRWD.

## Be Part of a Community of Leaders

### Water-Energy Nexus Registry Founders



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