



TETRA TECH

CLIMATE SERVICES

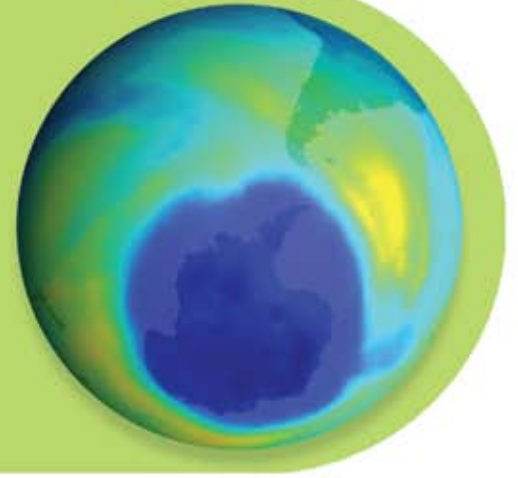


CLIMATE SERVICES

While many companies rush to join the growing wave of climate change experts, Tetra Tech has been providing expertise in climate for more than 40 years. Our scientists and engineers have advised government and corporate clients at all levels and helped to achieve meaningful results. We are a recognized leader in the rigorous analysis and modeling that effective climate solutions demand. Tetra Tech has the multidisciplinary profile to address climate change from all aspects.

Tetra Tech provides clear solutions for the increasingly complex world of climate change.

Damage from atmospheric pollution to Earth's ozone layer has contributed to increased ambient temperatures. At 26 million square kilometers, the Antarctic ozone hole is about the size of North America. (Image courtesy of NASA).



Vulnerability and Adaptation

Global risks from climate change are growing. Communities, regions, and even entire countries are experiencing unprecedented transformation from climate change impacts—flooding, drought, storm surge, shoreline erosion, and other climate-related events. Tetra Tech is at the forefront of efforts helping to predict the impacts of climate change, measure the associated risks, and develop policies, actions, and other initiatives to limit the potential adverse effects of climate change and variability. Tetra Tech offers comprehensive adaptation-related services, as follows:



- Physical modeling, such as coastal inundation and sea-level-rise modeling
- Hazard mapping and vulnerability and needs assessment
- Early warning systems
- Emergency preparedness and response
- Structural retrofit and asset protection
- Community resilience and alternative livelihoods
- Asset risk assessment and protection
- Adaptation policy and planning
- Alternative drinking water sources, such as desalination



Mitigation and Management

Slowing the process of climate change and reducing carbon emissions are a major focus of Tetra Tech's work. We recognize the importance of developing policies and responses that are based on economic benefit, and we offer a wide range of climate change mitigation services, as follows:



- Carbon policy and strategy
- Carbon footprint analysis and emissions inventories
- Carbon sink assessment
- Risk assessment and life-cycle cost analysis
- Carbon sequestration and capture
- Mitigation plans
- Carbon reduction methods
 - Renewable energy
 - Wind energy
 - Solar thermal
 - Photovoltaic solar
 - Biofuels
 - Methane capture and use
 - Micro hydropower
 - Wave energy
 - Geothermal
 - Nuclear plant commissioning
 - Energy efficiency and conservation
 - Process redesign (cleaner production strategies)
 - LEED design and architecture services
 - Life-cycle engineering
- Verification
 - California Climate Change Registry
 - Clean Development Mechanism
 - Joint Implementation



**Clean Technology Initiative
India**

This high-profile USAID project featured cutting-edge technology for reducing GHG emissions by addressing commercial energy and water use. The project funded \$2.5 million in energy efficiency demonstration projects and 300 training sessions for 200 industries throughout India. Through this initiative, more than 60 participating companies received ISO 14001 certification.

**Indian Ocean Tsunami Warning System Program**

Tetra Tech serves as the Program Integrator for the U.S. Indian Ocean Tsunami Warning System Program, a 2-year technical assistance program funded by USAID. Tetra Tech leads the Coastal Community Resilience component that builds the capacity of coastal communities to enhance resilience to tsunamis and other coastal hazards.

**Expansion of Solar Facilities
Mojave Desert, California**

Tetra Tech supported Florida Power & Light's planned 200-MW expansion of its 1980s-era solar facilities in southeastern California. At a total capacity of about 310 MW, the nine Solar Energy Generating Systems (SEGS) plants represent the world's largest solar thermal installation.

**Maple Ridge Wind Farm
New York**

Tetra Tech provided engineering, construction, and environmental compliance services for the 12,000-acre Maple Ridge Wind Farm. The project consists of 195 turbines producing 320 MW of electricity and a 12-mile, 245 kV transmission line. Maple Ridge is estimated to prevent annual emissions of approximately 586,117 tons of carbon dioxide, 627 tons of nitrogen oxide, and more than 812 tons of sulfur dioxide.

Tetra Tech participates in the U.S. Environmental Protection Agency's Climate Leaders program, which aims to reduce GHG emissions and advance the nation's climate change strategy.

**CORPORATE HEADQUARTERS**

3475 East Foothill Boulevard · Pasadena, California 91107-6024

Phone: +1 (626) 351-4664 · Fax: +1 (626) 351-5291 · www.tetrattech.com · Email: info.climate@tetrattech.com

TETRA TECH LOCATIONS WORLDWIDE

UNITED STATES • AFGHANISTAN • AUSTRALIA • CANADA • CHINA • FRANCE • GERMANY • GUAM • INDIA
JAPAN • PANAMA • PHILIPPINES • SOUTH KOREA • THAILAND • U.A.E • UNITED KINGDOM