



SONOMA COUNTY Climate Resilience Team

REALIZING A POTENT VISION FOR COMMUNITY-SCALE CLIMATE ACTION

What is the Climate Resilience Team? An internationally recognized public-private coalition accelerating local climate action across sectors and creating a transferable model for communities worldwide.

Need: Communities spanning the rural to urban gradient are overwhelmed by the challenge of climate resilience, yet their success is critical to an effective global climate response.

Vision: Building on a decade of leadership encompassed in the Sonoma model, local public and private institutions build capacity to fully integrate climate action into their core functions.

Mission: To advance and codify the innovative Sonoma model, to accelerate implementation in decision-making affecting urban, agricultural, and wild land assets, and to promote evidence-based resilience practices applicable to local communities worldwide.

Opportunity: Provide critical capacity to a US Climate Action Champion community to fully realize the climate resilience roadmap created by a dynamic public-private partnership. The Sonoma model provides all the ingredients needed for building community resilience:

- Targeted science
- Cross-sector, cross-government coordination
- Effective network building
- Community engagement
- Integration of mitigation and adaptation
- Innovative funding strategies

Our goal is to pioneer transferable strategies needed by local communities worldwide for key audiences such as city planners, local elected officials, agriculture, energy providers, health departments, water and transportation agencies. We are seeking investors to realize the potential of this winning model.

Five Year Program Elements:

Dashboard

Online portal for comprehensive climate risks, mitigation and adaptation performance indicators, and scorecards.

Decision support services

Framework for engaging practitioners in climate data products and scenario planning, supporting a range of institutions confronting climate challenges.

Local government policy and planning toolkit

A set of best practices, policies, and case studies, and model language for zoning codes, ordinances, design standards, and plans.

Community education and engagement

Media campaigns and events to drive community participation in the design and implementation of adaptation strategies.

Community capacity building

Dissemination of the Sonoma model to other communities.



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ACCOMPLISHMENTS

2002 • Community Climate Plan Sonoma County becomes the first county in the U.S. to adopt greenhouse gas mitigation targets

2007 • North Bay Climate Adaptation Initiative
The NGO community forges innovative partnerships between scientists, businesses, and experts in multiple sectors

2007 • Health Action A framework to create a healthier Sonoma County for all residents, increasing resilience in the communities most vulnerable to climate change.

2016 • Climate Adaptation Programs for Water Operations The Sonoma County Water Agency partners with the USGS, USACE and NOAA to generate a climate adaptation work plan

2009 • Sonoma County Energy Independence Program Sonoma County creates a Property Assessed Clean Energy (PACE) program to assist its residents and businesses in financing energy efficiency and renewable energy projects

2009 • Engaging Local Universities
The University of California and the Pepperwood Foundation partner to create the Terrestrial Biodiversity Climate Change Collaborative, an interdisciplinary science think tank to support local adaptation action

2009 • Regional Climate Protection Authority
The first of its kind nationally, the Authority is a Sonoma County regional agency created to improve coordination on climate change issues

2010 • Sonoma Clean Power Sonoma County and the nine cities form an independent non-profit public agency to supply renewable energy for businesses and residents

2010 • On-site Water Storage
Resource Conservation Districts helps rural and agricultural landowners build on-site water storage to increase drought resiliency.

2013 • Climate Action Through Conservation
The Sonoma County Agricultural Preservation and

Open Space District incorporates GHG mitigation and sequestration into land acquisition

2015 • Carbon Free Water[®] The Sonoma County Water Agency achieved Carbon Free Water[®] in 2015 by ensuring that 100 percent of the electricity used in the delivery of its water is from renewable sources.

2015 • Climate Action 2020 Sonoma's Regional Climate Protection Authority releases the first phase of a comprehensive climate resilience plan addressing all sectors of public health, industry, and natural resources

2015 • US Climate Champion The White House honored Sonoma County as a national leader in climate mitigation and adaptation

2015 • Roadmap for Climate Resilience in Sonoma County Based on intensive input from multiple sectors, North Bay Climate Adaptation Initiative's Roadmap prioritizes resilience actions for all types of actors in Sonoma County.

2016 • Coastal Planning Sonoma County is revising its Local Coast Plan to address sea level rise impacts including erosion of cliffs near homes and popular recreation areas.

2016 • Climate Ready North Bay Pepperwood's TBC3 co-produces the completion of high-resolution climate vulnerability assessment for Sonoma, Napa, Marin and Mendocino counties

2016 • The Water Agency, including the North Bay Climate Adaptation Initiative, the Regional Climate Protection Authority, and the USGS work with the Partnership for Resilience and Preparedness to co-develop the Sonoma County PREP Climate Risk Dashboard

2016 • An international partnership continues to grow between Sonoma County and Caldas, Colombia to leverage climate risk data analyses developed through PREP to improve the local management of natural resources

To learn more about these and other accomplishments, visit us online at:

climateresilienceteam.org