Ignite! Climate Action in Sonoma County

Sonoma Adaptation Forum
April 8th, 2015
New Climate Change Study Just 400 Pages Of Scientists Telling Americans To Read Previous Climate Change Studies

NEWS IN BRIEF • Science & Technology • Science • ISSUE 51.02 • Jan 14, 2015
The verdict is in.
Our new normal: In the News Tonight...

Southwest's Risk of 35-Year 'Megadrought' Raised in New Study

BY GIL AEGERTER

After one of the driest starts to a year on record, an “atmospheric river” is set to drench Northern California with heavy rain.
Climate change is a local, human issue.
We know it will be hotter.
We know it will be drier.
We know precipitation will be less predictable.
We know the seas will rise.
These impacts will affect people, infrastructure, and natural systems.
How do we respond?

- Emergency Response
- Disaster Prevention
- Protecting Natural Systems
- Protecting Clean Air/Water Supply
- Reducing Greenhouse Gas Emissions

Source: Vulnerability Assessment Concept: Sara Moore
Avoiding 2 degrees

Per Capita Emissions

Source: Pathways to Deep Decarbonization in the U.S., 2014; presentation by E3.
Successful mitigation is possible using these 3 pillars:

1) ENERGY EFFICIENCY
2) LOW CARBON ELECTRICITY
3) FUEL SWITCHING

Deep Decarbonization Pathways Project, U.S. 2050 Report:
<table>
<thead>
<tr>
<th>Category</th>
<th>Resources</th>
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| 1. Non-profit/Advocacy                      | • Center for Climate Protection  
• Daily Acts                                                                 |
| 2. Individual Jurisdictions                  | • Sonoma County, Cloverdale, Cotati, Healdsburg, Petaluma, Rohnert Park, Santa Rosa, Sebastopol, Sonoma, Windsor |
| 3. Countywide Agencies                       | • Sonoma County Water Agency  
• Agricultural Preservation & Open Space District                                |
| 4. NGO Partnerships                          | • North Bay Climate Adaptation Initiative  
• Academia – SSU, SRJC                                                            |
| 5. Novel Multi-jurisdictional Agencies       | • Sonoma Clean Power  
• Regional Climate Protection Authority                                          |
| 6. Private Sector                            | • Businesses  
• Foundations  
• Individuals and community organizations                                          |
## Adaptation Objectives

<table>
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<tr>
<th>1. Reduce greenhouse gas emissions</th>
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<td>2. Increase knowledge, ability and capacity to respond to climate impacts</td>
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<td>3. Mainstream the use of climate projections</td>
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<td>4. Promote a sustainable, climate-resilient economy</td>
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<td>5. Promote healthy communities</td>
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<td>6. Protect coastal, bayside, and inland “buffer zones”</td>
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<td>7. Promote food system security and agricultural climate preparedness</td>
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Climate Action Champion Award
White House designation, 2014

Communities across America are leading the fight against climate change.

Learn more about how these communities are combating climate change at wh.gov/climate-champs
#ActOnClimate
We must work together

FORUM: RESILIENCE IN A CHANGING CLIMATE
April 8, 2015 - Sonoma State University

"We have to adapt. The climate is changing. There's no doubt."

~ Gov Jerry Brown, May 2014

Communities Forum
Welcome to Sonoma County Communities Forum, an online forum for civic engagement! Officials will read your input and incorporate it into their decision process.

Subscribe for updates
We are a proving ground
CLIMATE SUMMIT

WHAT IF IT'S A BIG HOAX AND WE CREATE A BETTER WORLD FOR NOTHING?

- ENERGY INDEPENDENCE
- PRESERVE RAINFORESTS
- SUSTAINABILITY
- GREEN JOBS
- LIVABLE CITIES
- RENEWABLES
- CLEAN WATER, AIR
- HEALTHY CHILDREN
- ETC. ETC.
Onward, towards a resilient Sonoma County

#ClimateChamps