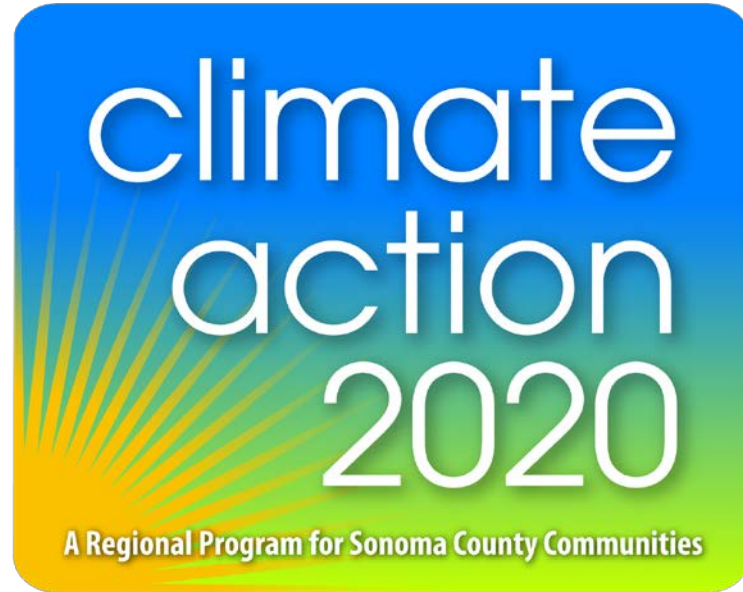




Climate Action 2020:

a Regional Program for Sonoma County Communities

Introduction to the Public Review Draft

Santa Rosa City Council - April 5, 2016

What is Climate Action 2020?

A collaboration between the all cities, the county, and regional partners to take further action to reduce greenhouse gases.



What is the RCPA?

- Regional Climate Protection Authority
- Multi-jurisdictional agency formed to coordinate local government climate protection efforts
- Governed by a Board of elected officials from each of:

County of Sonoma
Cotati
Cloverdale
Healdsburg
Petaluma

Rohnert Park
Santa Rosa
Sebastopol
Sonoma
Windsor

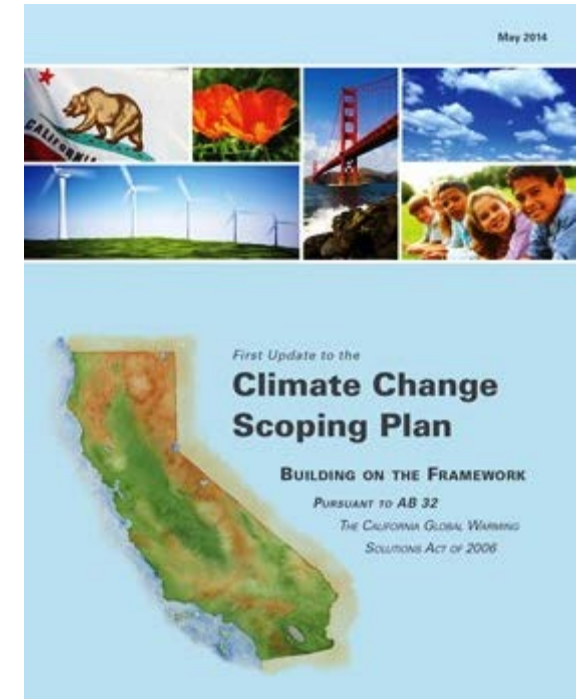


- Manages programs on behalf of all communities

Project Objectives

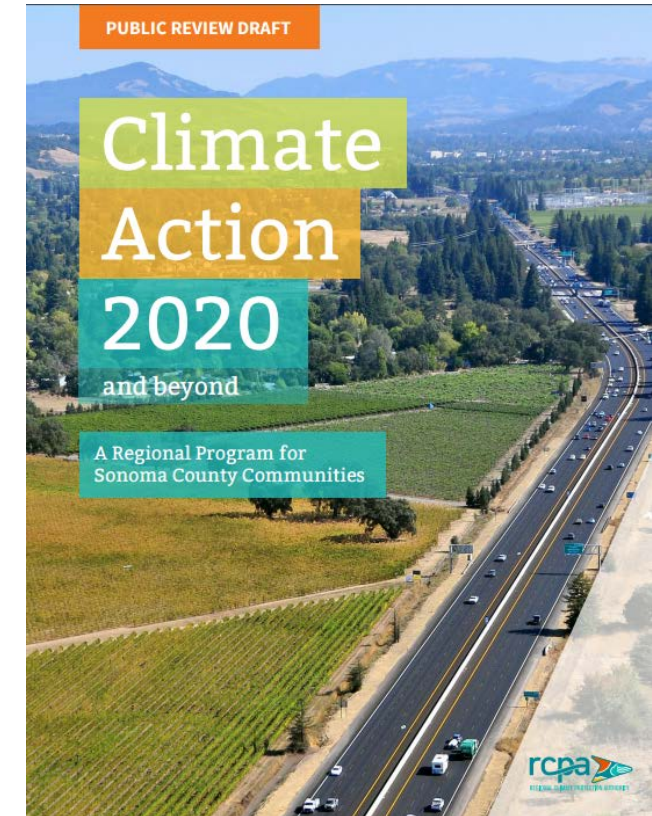
To develop a community wide, regional climate action plan for all of Sonoma County to:

- Comply with the Global Warming Solutions Act (AB 32)
- Achieve local goals in collaboration
- Take the next steps towards a long-term, low-carbon future
- Provide framework to address greenhouse gas (GHG) impacts under CEQA



Today's Presentation

- Provide overview:
 - Project history and purpose
 - Process and engagement
 - Plan highlights and findings
 - Regional agreements
- Identify Santa Rosa's role in Climate Action 2020 and prior climate planning activities



Roles

- PRMD – lead grant recipient
- County of Sonoma, all nine Cities, and RCPA - participating entities
- RCPA – project manager
- Staff Working Group – planning staff team directing project
- Stakeholder Advisory Group – appointed community representatives advising SWG
- Center for Climate Protection, ICF, North Bay Climate Adaptation Initiative, Pete Parkinson, Sonoma State University – sub-recipients and technical consultants

Planning Process / Milestones

- Analysis of:
 - Greenhouse gas (GHG) inventories, backcasts, and forecasts
 - Local climate vulnerabilities
 - Existing policies & programs
 - State, regional, and existing program impacts
- Draft climate action goals
- Draft new local measures list
- Custom reduction planning tools
- SWG review of Admin Draft
- RCPA member review meetings
- EIR Scoping Period & Meeting
- Community involvement:
 - Stakeholder Advisory Group dialogues
 - Sector specific Ad Hoc reviews of technical approach
 - Public workshops, including at commissions and councils
 - Community group presentations
 - Festivals & events
 - Sonoma County Adaptation Forum
 - RCPA Board Meetings

2013  present

The Draft is intended to be...

- Comprehensive in addressing all primary GHG sources
- Transparent in approach to provide for dialogue about assumptions
- Sufficiently detailed to provide clarity in defining policy and program opportunities
- Flexible in allowing each jurisdiction to define priorities
- Clear in integrating efforts at all levels of government
- Effective at building from a long history of action

Climate Planning in Santa Rosa

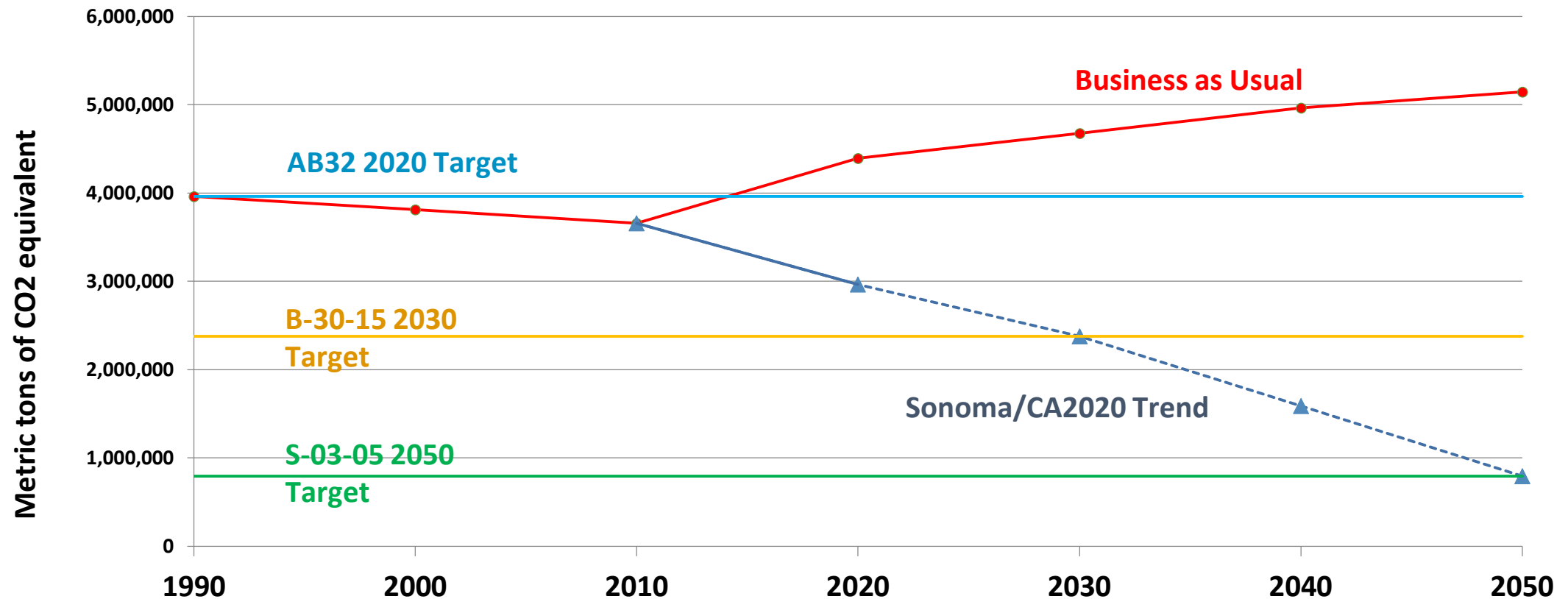
- Community Climate Action Plan adopted 2012
 - Includes measures in topical areas aimed at reducing GHGs:
energy efficiency, renewable energy, parking and land use, transportation, waste reduction, water and wastewater
 - Goal is to reduce emissions to 25% below 1990 levels by 2020
- Municipal Climate Action Plan adopted 2013
 - Addresses emissions reductions in City of Santa Rosa operations
- Staff participated in CA2020 Staff Working Group
 - Santa Rosa's CAP is its "chapter" in CA2020 plan

Draft Plan Highlights

A better future, with lower carbon emissions is possible in Sonoma County.

2020 and Beyond

Sonoma County Greenhouse Gas Emissions Pathways



Advances 20 Primary Goals

1	Increase building energy efficiency	11	Reduce water consumption
2	Increase renewable energy use	12	Increase recycled water and greywater use
3	Switch equipment from fossil fuel to electricity	13	Increase water and wastewater infrastructure efficiency
4	Reduce travel demand through focused growth	14	Increase use of renewable energy in water and wastewater systems, including methane
5	Encourage a shift towards low-carbon transportation options	15	Reduce emissions from livestock operations
6	Increase vehicle and equipment fuel efficiency	16	Reduce emissions from fertilizer use
7	Encourage a shift towards low-carbon fuels in vehicles and equipment	17	Protect and enhance the value of open and working lands
8	Reduce idling	18	Promote sustainable agriculture
9	Increase solid waste diversion	19	Increase carbon sequestration
10	Increase capture and use of methane from landfills	20	Educate residents to reduce emissions from the consumption of goods and services

Delivers Community Co-benefits

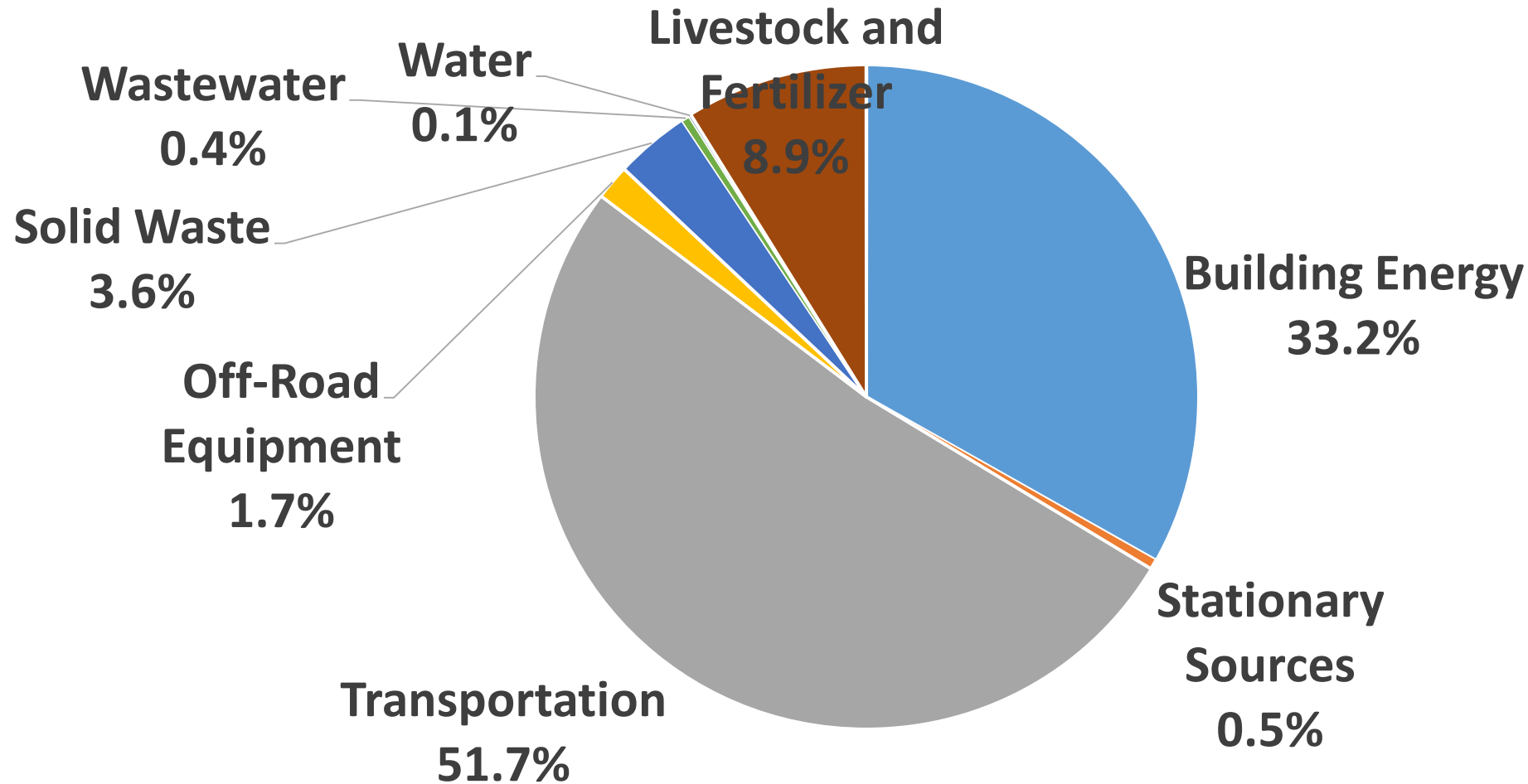
	Energy Savings		Resource Conservation
	Air Quality Improvements		Cost Savings
	Public Health Improvements		Climate Resilience
	Job Creation	+	<i>More benefits possible</i>

Built Upon Collaboration

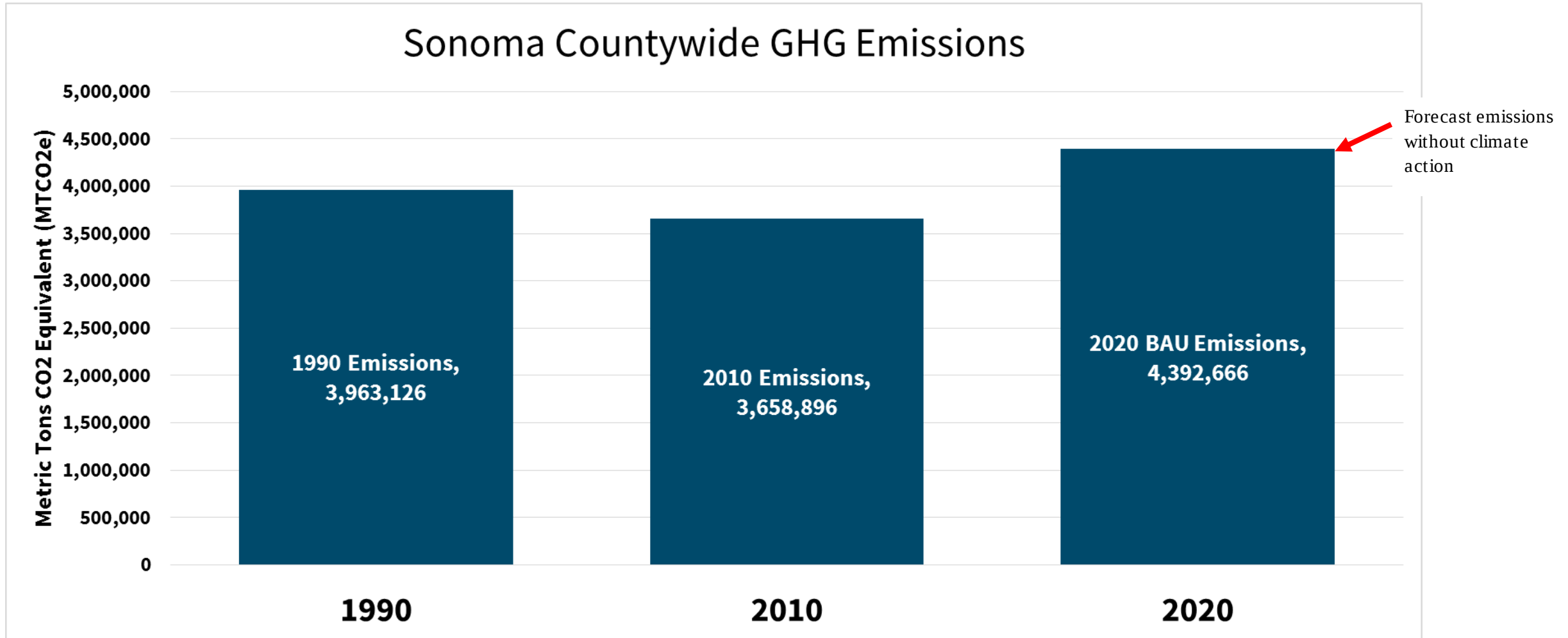
Partners at All Levels of Government

State	    
Regional	      
Local	         

Baseline (2010) Emissions

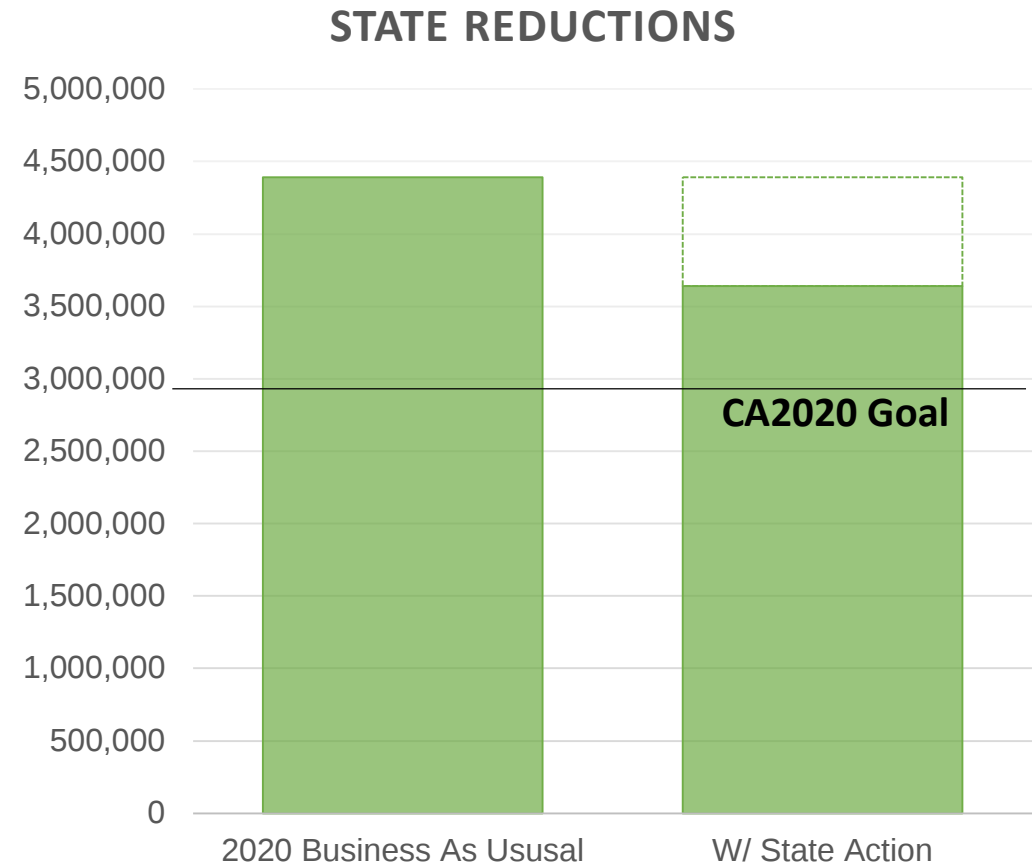


Forecast Emissions



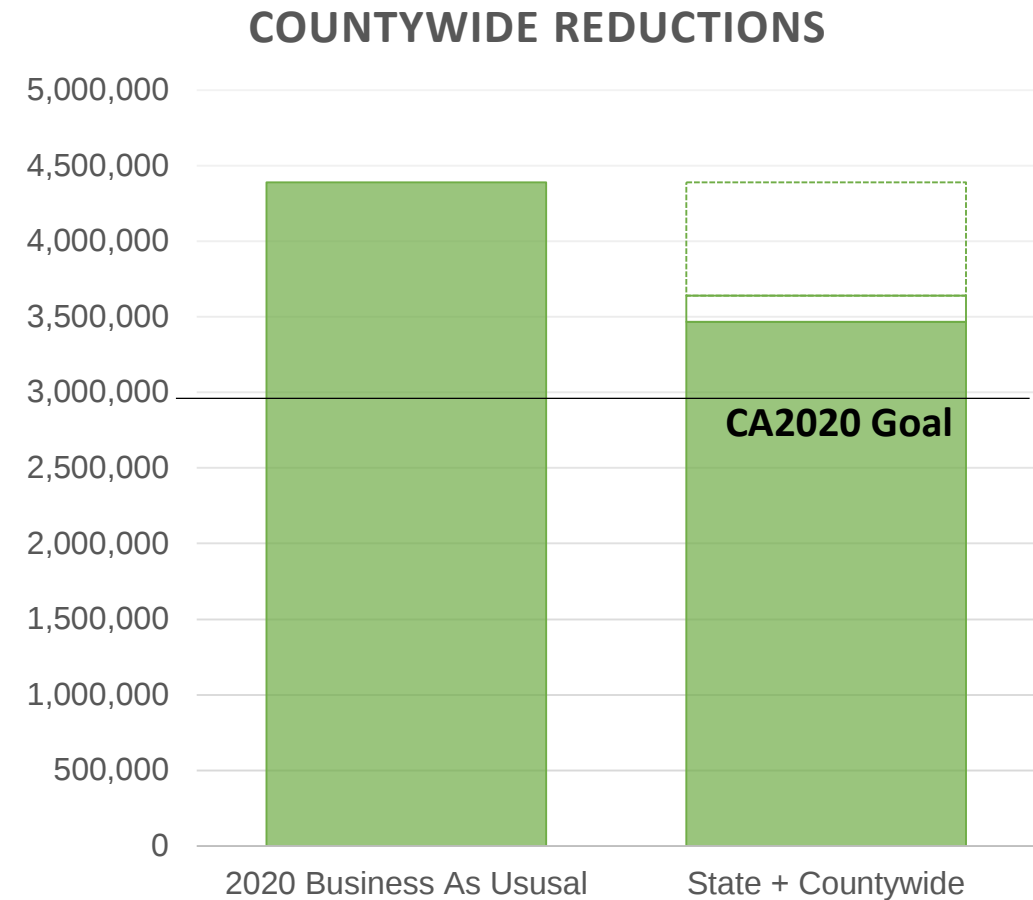
State Actions provide >50% of the goal

1-S1	Title 24 – Building Energy Efficiency
1-S2	Lighting efficiency and toxics
1-S3	Industrial boiler efficiency
2-S1	Renewable Electricity Portfolio
2-S2	Solar water heaters
6-S1	Pavley and LCFS
6-S2	Advanced Clean Cars
6-S3	AB 32 vehicle efficiency
7-S1	Low Carbon Fuel Standard



Regional Actions provide ~12%

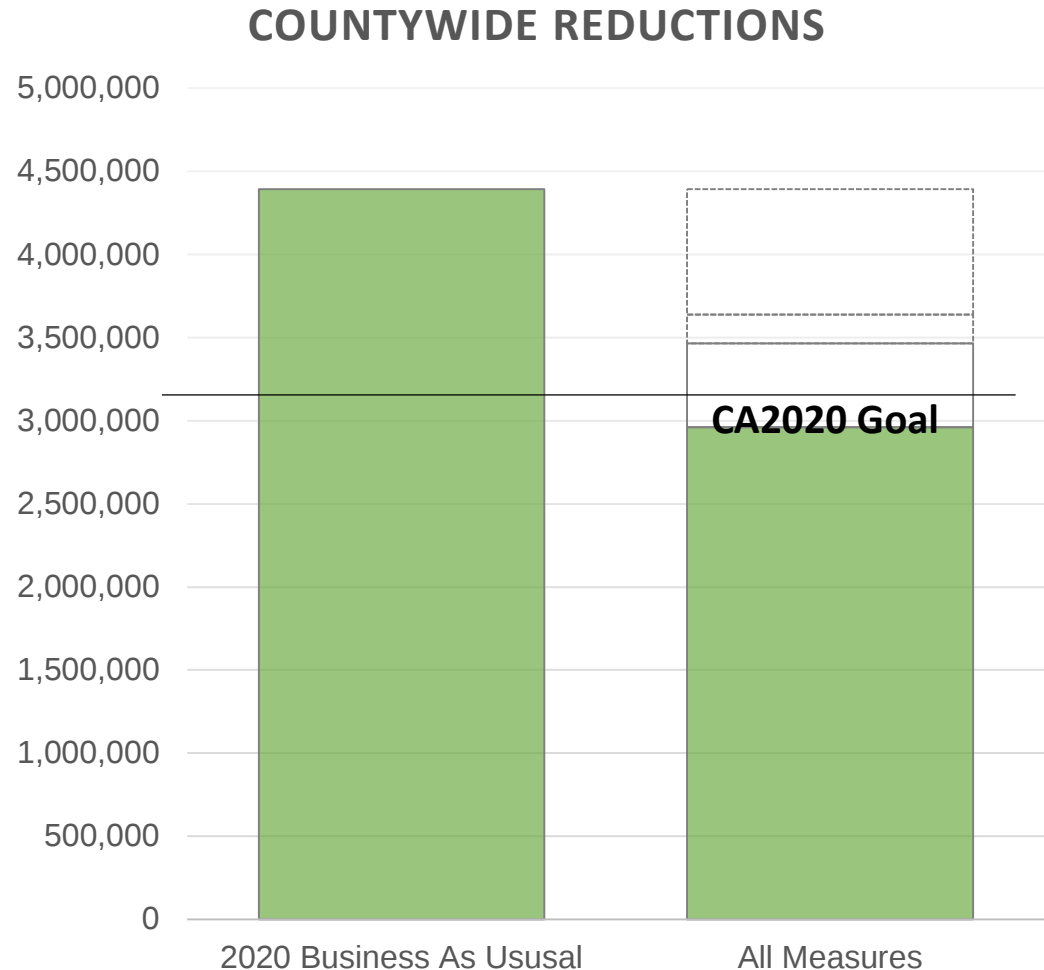
1-R1	Existing Building Retrofits
1-R2	Expand Existing Building Retrofits
2-R1	Sonoma Clean Power
3-R1	Fuel switching
9-R1	Increase waste diversion
10-R1	Landfill methane
11-R1	Water conservation incentives
12-R1	Recycled water
13-R1	Water supply system efficiency
13-R2	Wastewater treatment efficiency
14-R1	Carbon Free Water
14-R2	Anaerobic digesters
14-R3	Wastewater methane to energy



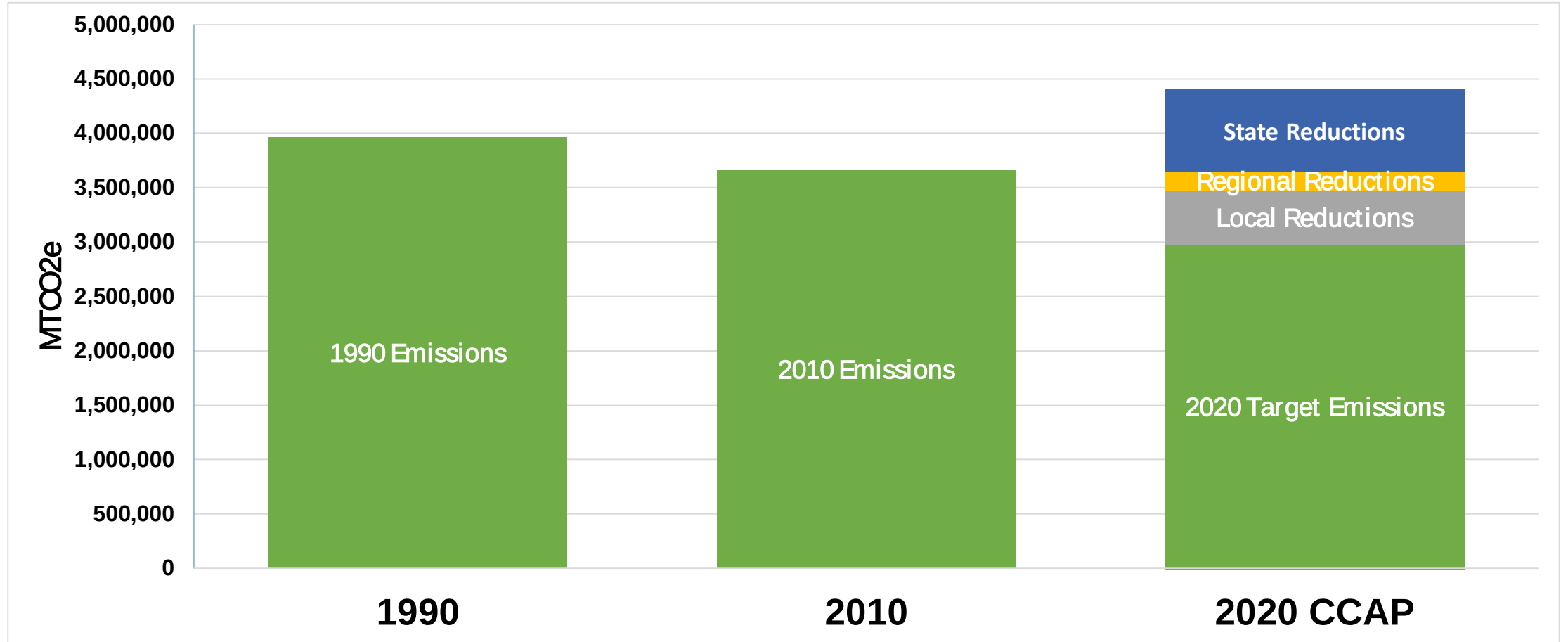
Additional regional measures are included in CA2020

Local actions make up the rest

1-L2	Solar on New Residential Development
1-L3	Solar on Existing Residential Buildings
1-L4	Solar on New Non-Residential Development
2-L2	Convert to Electric Water Heating
2-L3	Mixed Use Development
2-L4	Transit Accessibility
5-L2	Carpool and Rideshare Incentives
5-L6	Parking Policies
7-L1	EV Charging Station Program
8-L1	Idling ordinance



25% below 1990 levels is possible



Draft Climate Readiness Goals

1	Promote healthy, safe communities
2	Protect water resources
3	Promote a sustainable, climate-resilient economy
4	Mainstream the use of climate projections (not just past patterns) in planning, design, and budgeting
5	Protect coastal, bayside, and inland buffer zones
6	Promote food system security and agricultural climate preparedness
7	Protect infrastructure: buildings, energy systems, communications systems, water infrastructure, and transportation systems
8	Increase emergency preparedness
9	Monitor the changing climate and its biophysical effects, in real time

RCPA Role



Leading plan implementation:

- Leading community engagement
- Securing funding for implementation
- Developing research, best practices, and tools (including model policy and program language)
- Convening working groups to craft measure specifics
- Monitoring progress:
 - Annual measure status review
 - Updated inventories for 2015, 2018, and 2020
- Updating plan and measures for 2030 and 2050 targets



Santa Rosa's relationship to CA 2020

- CAP and CA 2020 work together
- Emissions sectors are similar; reduction strategies are similar
- CAP identifies local priorities
- CA 2020 provides opportunities to collaborate

Santa Rosa CAP implementation

- Climate Action Plan Implementation Team established
- Interdepartmental team focusing on prioritizing measures
- Progress is being made in each emissions sector
- CA 2020 is important to future implementation

Future coordination

- Monitoring regional progress
 - RCPA will update inventories
 - Develop a tool to monitor and report progress
- Model policy language, technical assistance, funding opportunities

Schedule

- Draft CAP presentations to Planning Commissions and Councils and receive public comments – March to May, 2016
- Draft EIR released and noticed – March 21; 45 day comment period
- Stakeholder Advisory Group meeting – March 30
- Public CAP/EIR hearing – April 20, 5:00-7:00 at PRMD
- Incorporate Feedback and Update Analysis – TBD
- Publish Final Draft CAP and EIR – TBD
- Final Draft considered/adopted by RCPA, cities and County
- No action is required of Santa Rosa, though support resolution could be considered

Public meeting schedule is posted at: <http://rcpa.ca.gov/projects/climate-action-2020/>

Thank for your leadership!

The communities of Sonoma County are White House Climate Action Champions!



Thank you!

Lauren Casey, Director of Climate Programs, RCPA

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<http://rcpa.ca.gov/>