

# 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

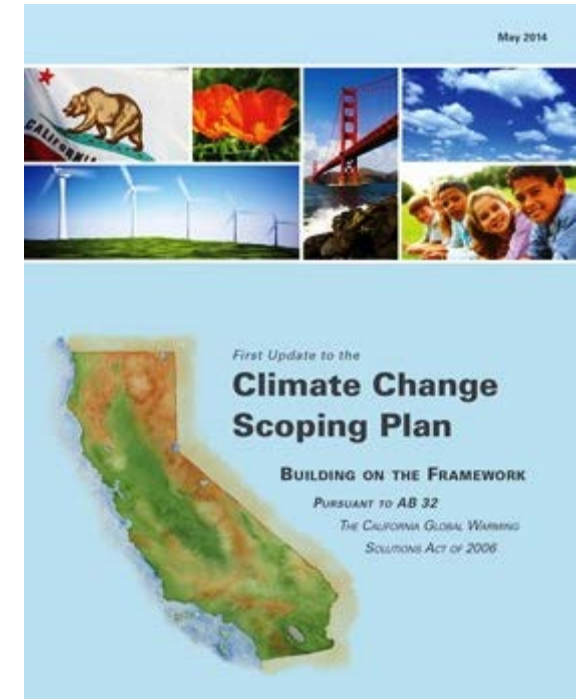


- Manages programs on behalf of all communities

# Project Objectives

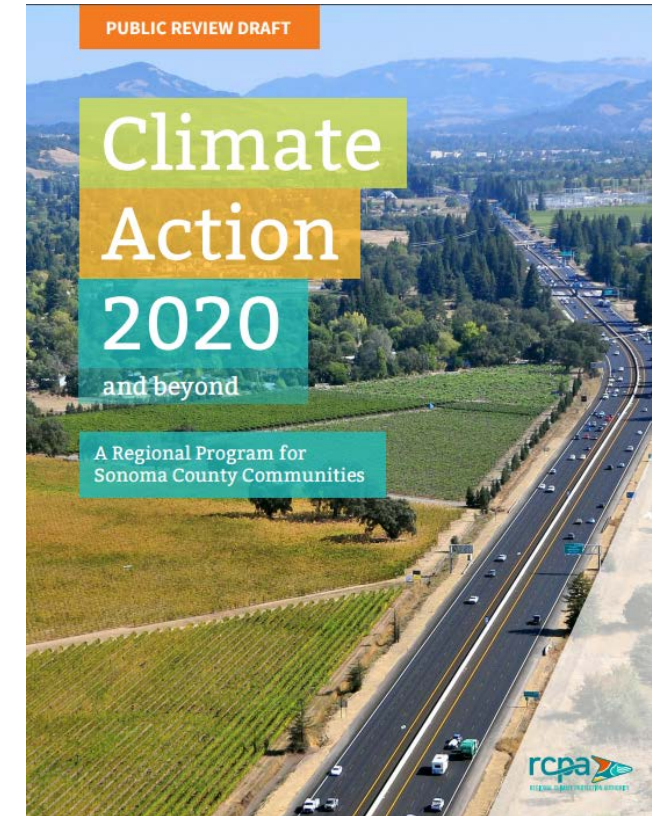
To develop a community wide, regional climate action plan for all of Sonoma County to:

- 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

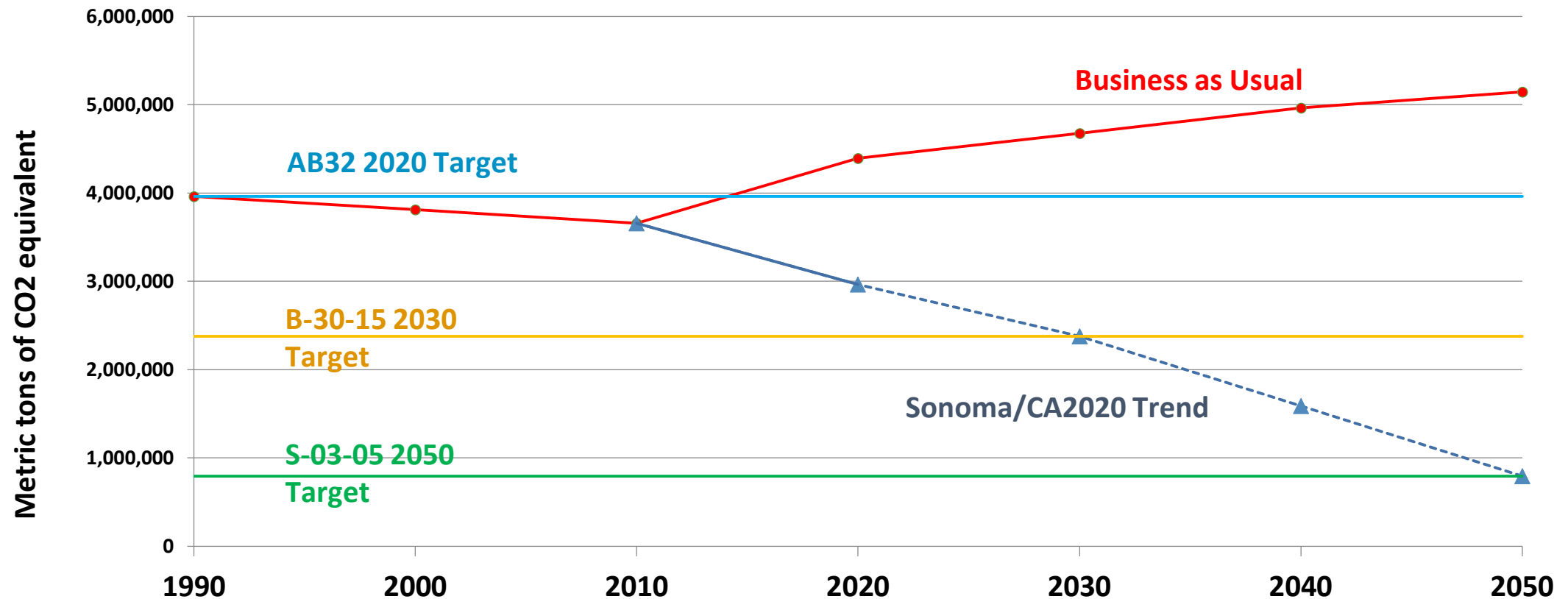
- Community Climate Action Plan adopted 2012
  - Includes measures in topical areas aimed at reducing GHGs:  
*energy efficiency, renewable energy, parking and land use, transportation, waste reduction, water and wastewater*
  - Goal is to reduce emissions to 25% below 1990 levels by 2020
- Municipal 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>

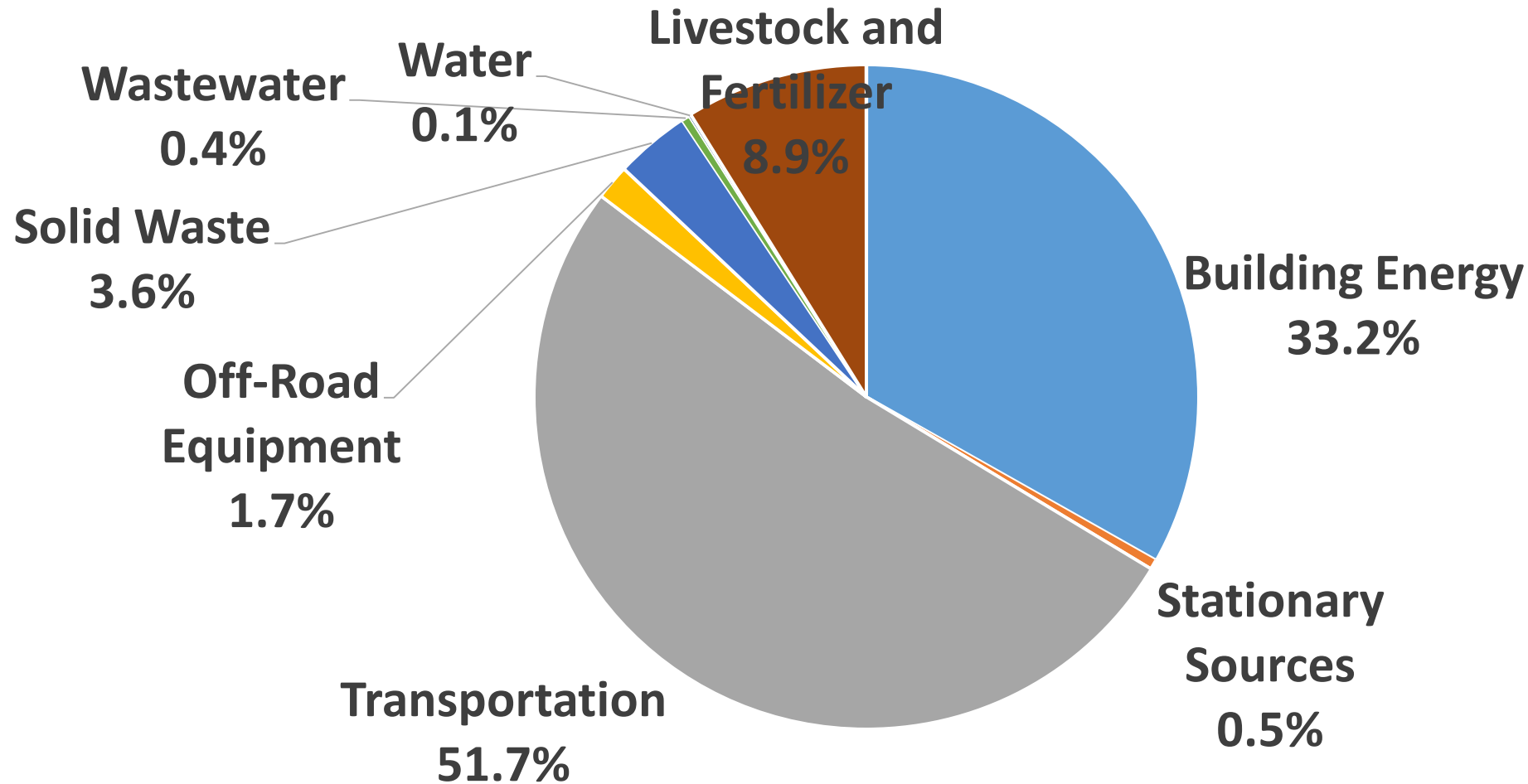
# Built Upon Collaboration

## Partners at All Levels of Government

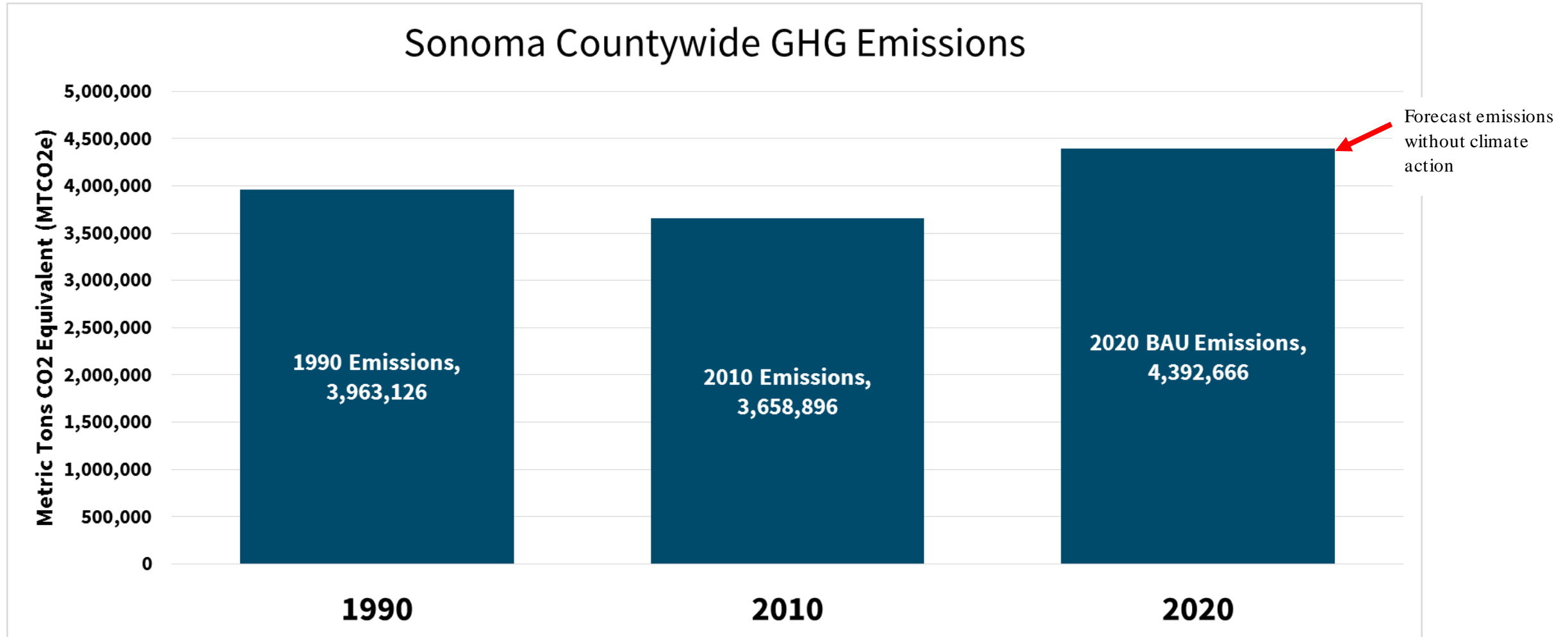
State	    
Regional	      
Local	         



# Baseline (2010) Emissions

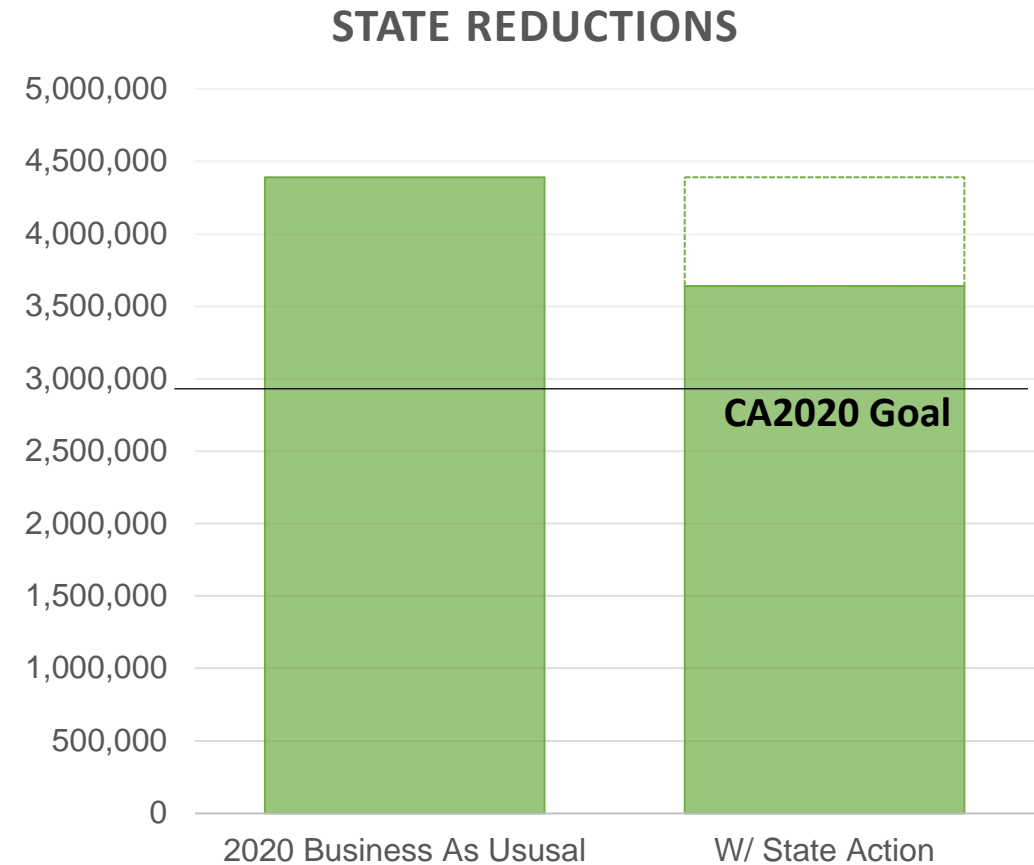


# Forecast Emissions



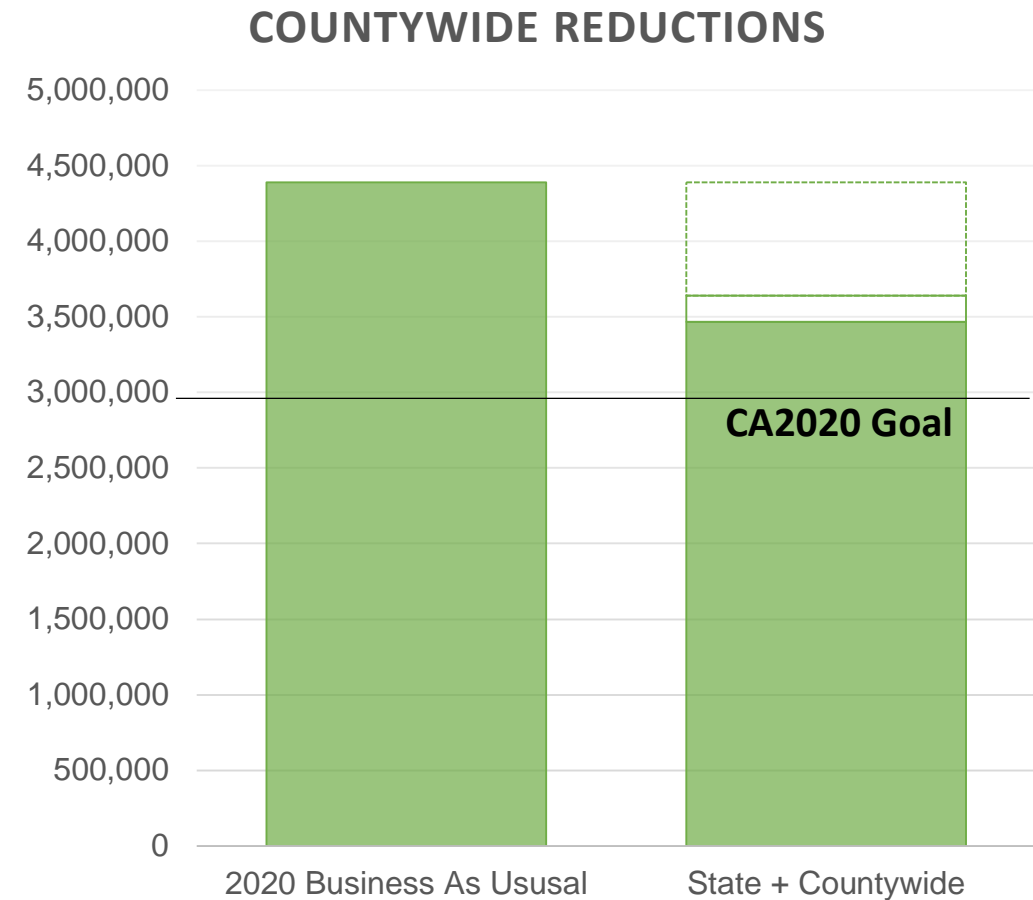
# State Actions provide >50% of the goal

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%

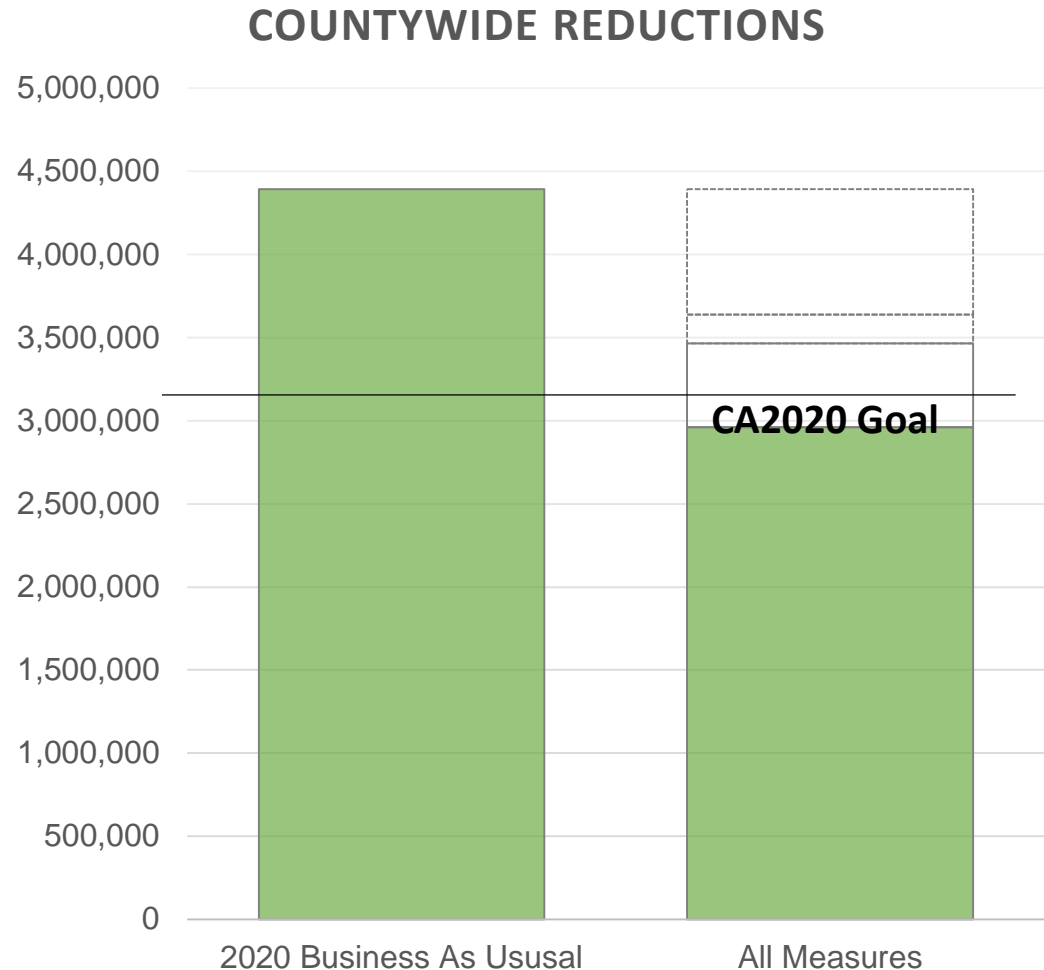
1-R1	Existing Building Retrofits
1-R2	Expand Existing Building Retrofits
2-R1	Sonoma Clean Power
3-R1	Fuel switching
9-R1	Increase waste diversion
10-R1	Landfill methane
11-R1	Water conservation incentives
12-R1	Recycled water
13-R1	Water supply system efficiency
13-R2	Wastewater treatment efficiency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



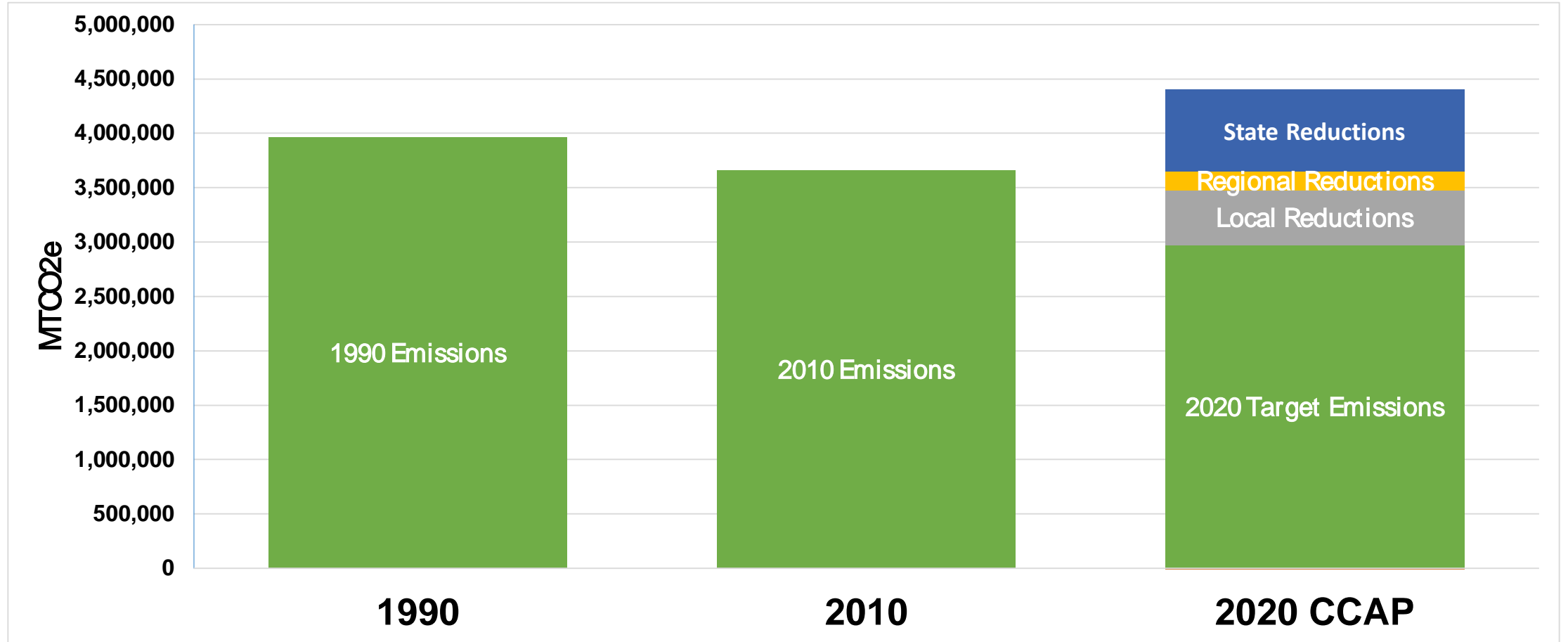
Additional regional measures are included in CA2020

# 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!

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