

Climate Resilience Comprehensive Action Plan

December 11, 2023



Workshop Agenda

Agenda

- **Background** - Carbon Neutral, Zero Waste, & Resilient by 2030
- **Part 1** - Comprehensive Action Plan – Municipal Actions
- **Part 2** - Comprehensive Action Plan – Community Support
- **Part 3** - Costs, Benefits, and Next Steps

Board direction is requested related to the:

- Approach and proposed content for the Climate Resilience Comprehensive Action Plan;
- Proposed scope of municipal emission reductions and carbon sequestration actions;
- Scope and phasing of potential energy upgrades for County facilities;
- Support for community progress to carbon neutrality and resilience; and
- Approach to the cost-benefit analysis and the multi-criteria analysis of the draft Plan.



Carbon Neutral, Zero Waste, & Resilient *by 2030*



Strategic Plan: Climate Action & Resiliency



1: Continue to invest in wildfire preparedness & resiliency



2: Invest in the community to enhance resiliency and become carbon neutral by 2030



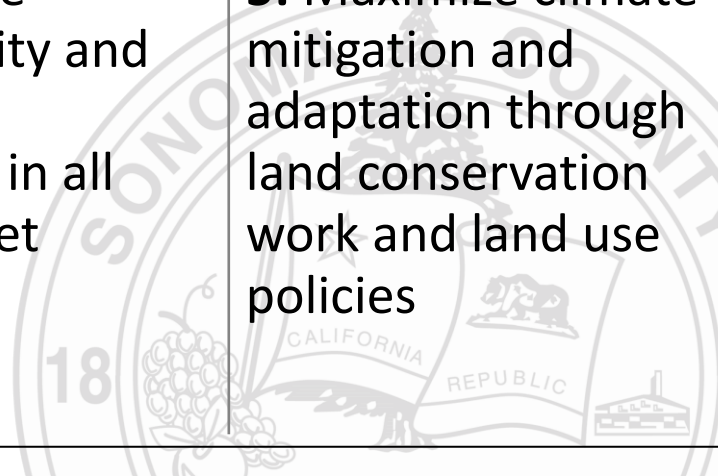
3: Make all County facilities carbon free, zero waste and resilient



4: Maximize sustainability and emissions reductions in all County Fleet vehicles

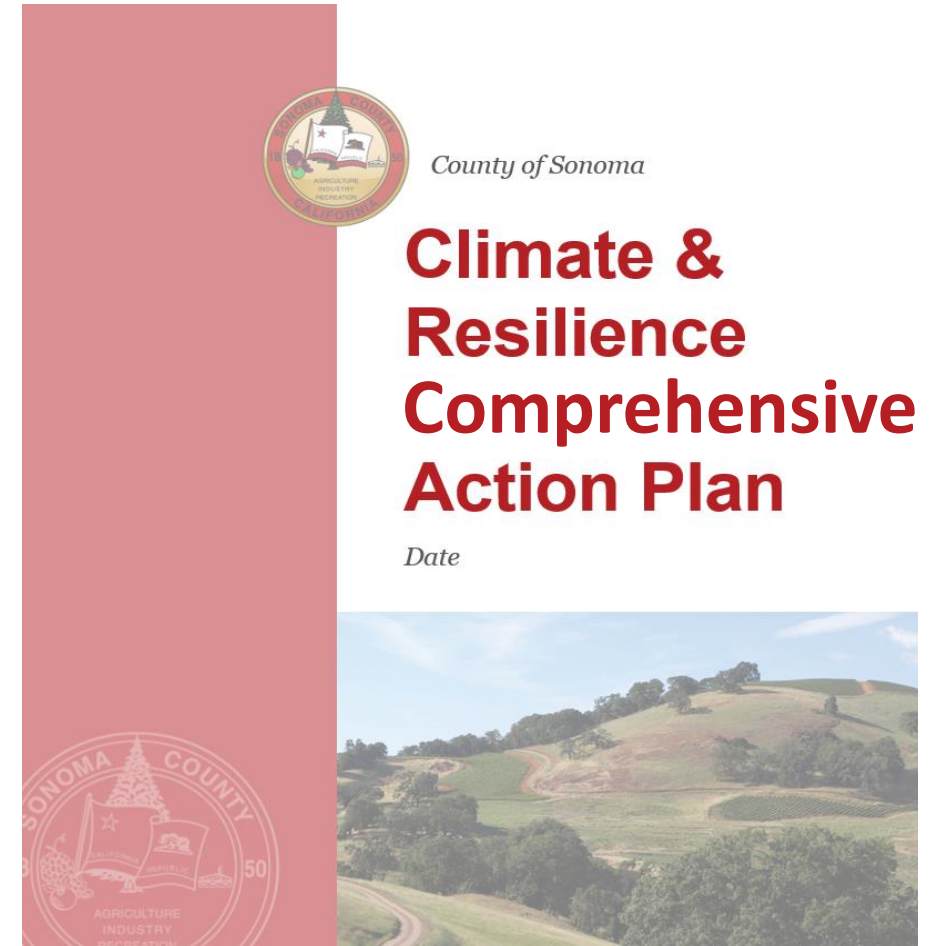


5: Maximize climate mitigation and adaptation through land conservation work and land use policies



A Climate Resilience Comprehensive Action Plan

- **Purpose & Overview**
- **Current Setting**
 - County Facilities & Operations
 - Municipal GHG Inventory
 - Municipal Waste Inventory
 - Municipal Energy Use
 - Municipal Transportation
 - Carbon Sequestration on County Lands & Countywide
 - Resilient Lands & Water
 - Community-facing Programs
 - Equity
- **Public Input**
- **Potential Action Pathways**
- **Costs, Benefits, and Potential Impacts**
- **Implementation**



Engagement & Outreach

- Staff survey (Summer 2023)
- Public Survey (Fall 2023)
- Climate Resilience Town Hall (11/1/23)
- Two Board Workshops (8/29/23 & 12/11/23)
- Interviews and focus groups (ongoing)



Key Input Received

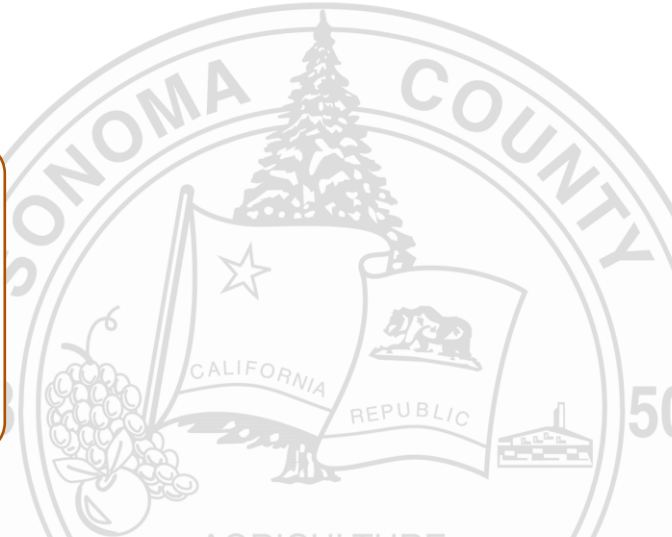
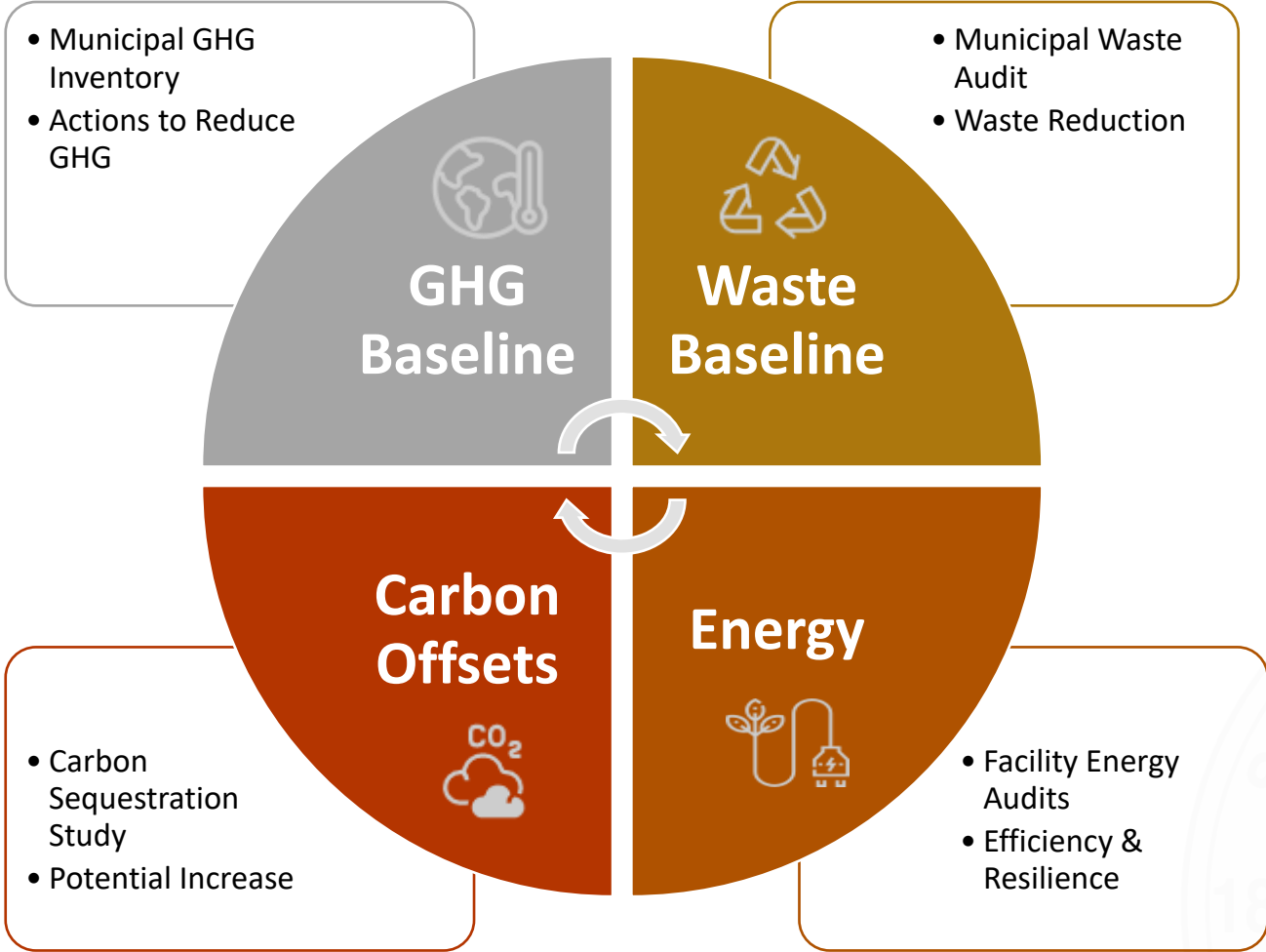
County Staff

- Identify high priority climate resilience actions and streamline processes for approval & implementation
- Assess economic impacts to inform objectives and actions
- Consider funding mechanisms other than grants, like public-private partnerships
- Foster opportunities for staff to serve in internal leadership roles on climate resilience actions

Community Members

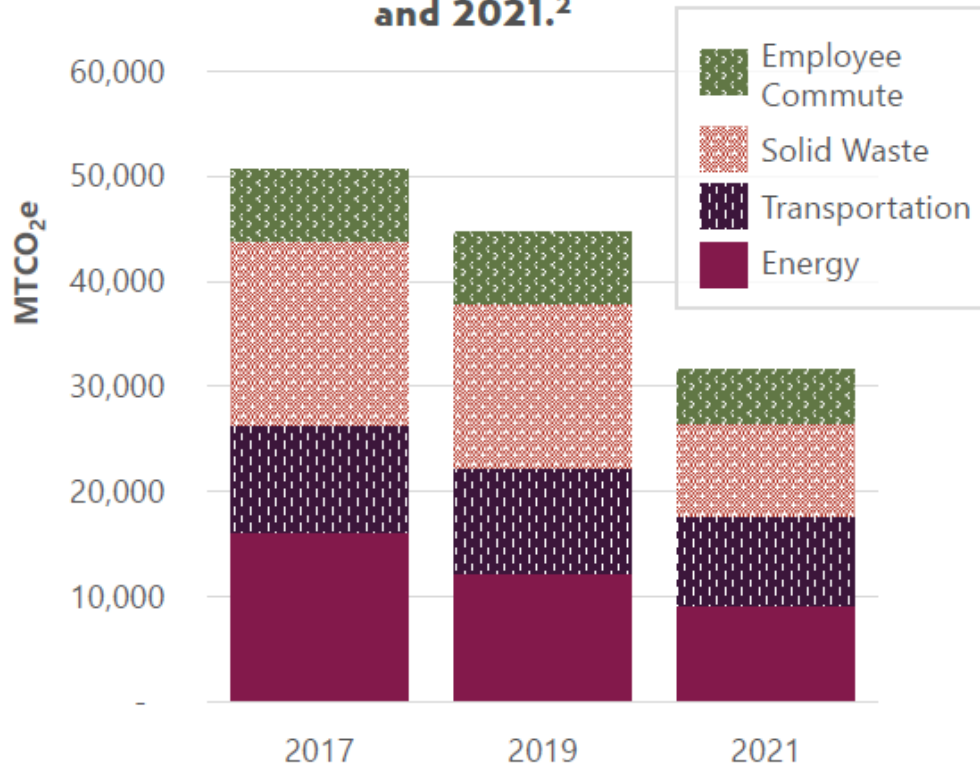
- Increase collaboration opportunities with County elected officials and department leaders
- Expand availability of online materials and resources
- Strengthen and leverage partnerships with community-based organizations
- Broaden virtual education opportunities
- Augment rebate programs, cost incentives, and cash assistance

Carbon Neutral, Zero Waste & Resilient by 2030



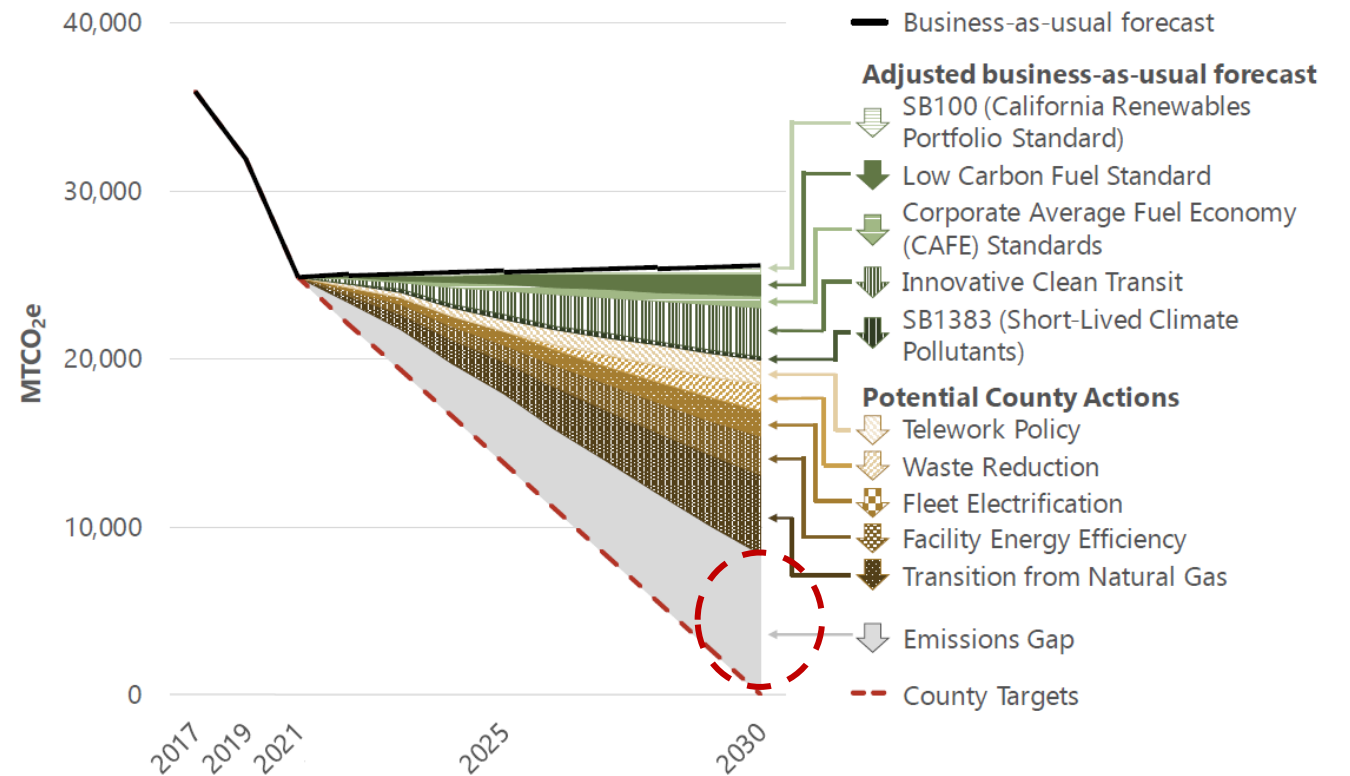
GHG Emissions Projections

Total greenhouse gas emissions for 2017, 2019 and 2021.²



31,712 MTCO₂ in 2021 - Total Emissions in 2021

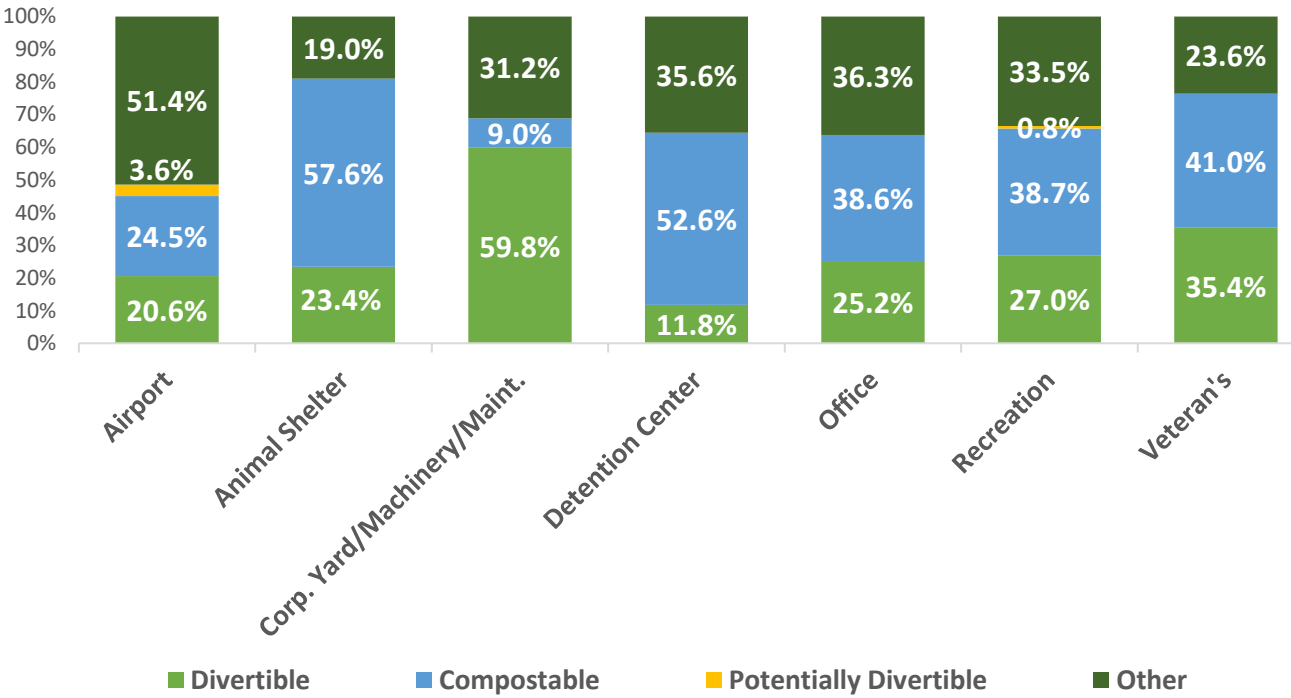
Municipal Emission Projections



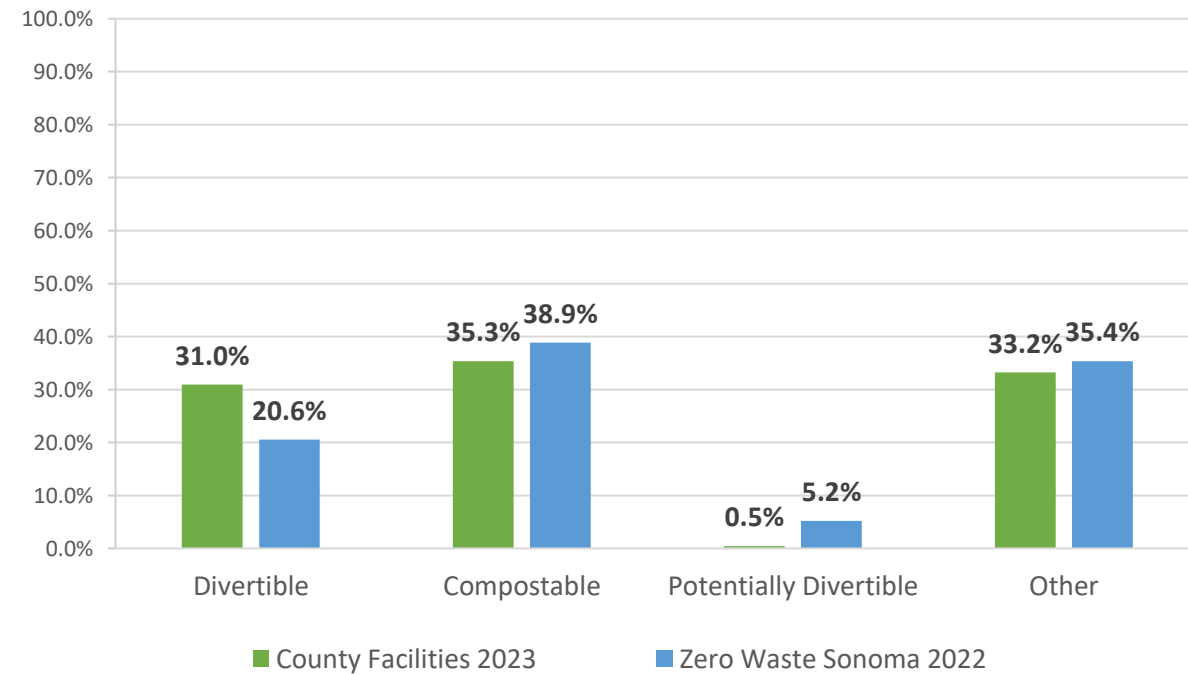
~8 tons of GHG emissions remain in 2030 after all identified actions are taken

Findings

Waste Stream Types per County Site

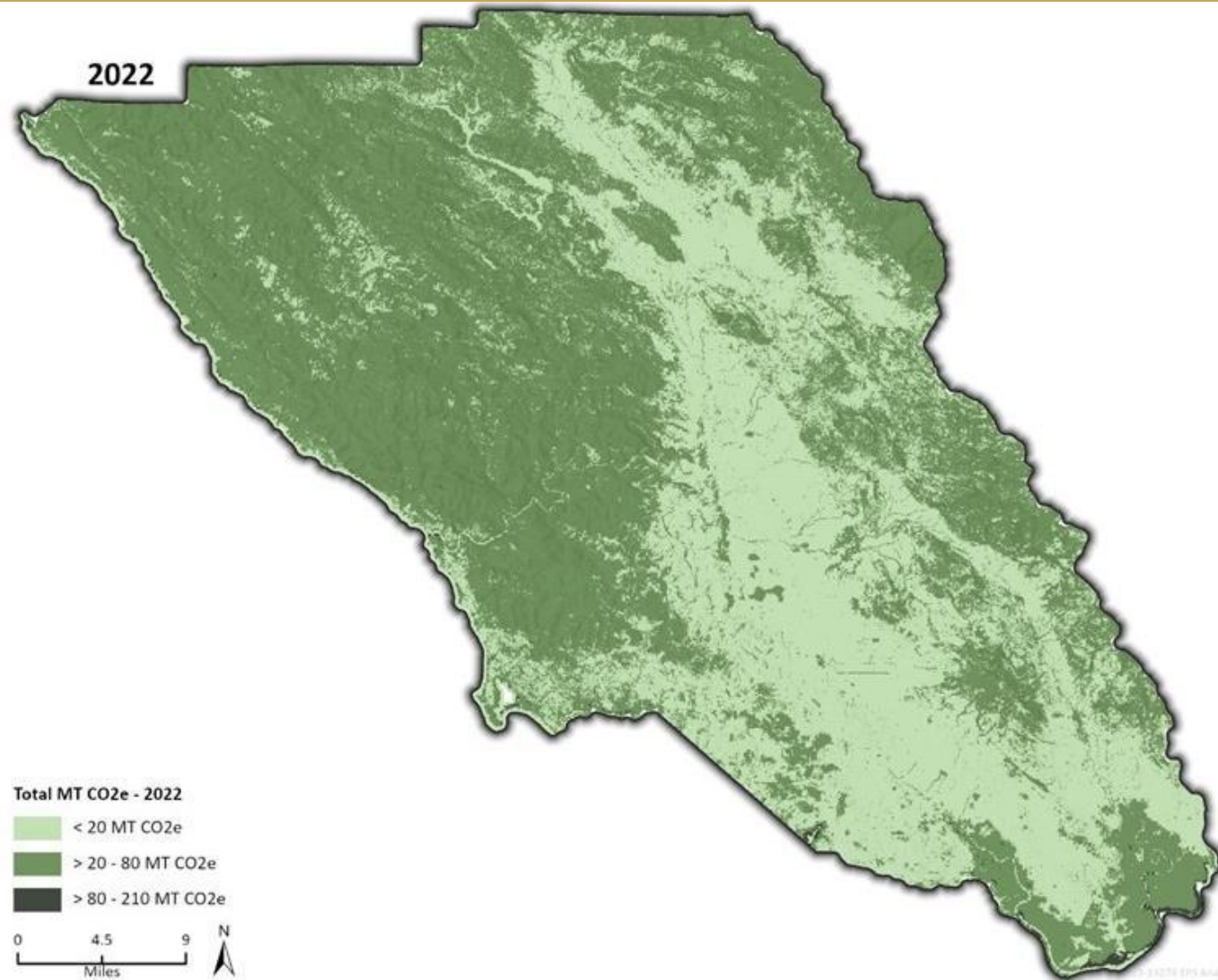


Divertibility Comparison County Facilities 2023 vs. Zero Waste Sonoma Commercial Facilities 2022



Carbon Sequestration in Sonoma County

- Sonoma County's diverse landscapes hold approximately 105,365,590 MT CO₂e in carbon stocks (2022)
- Most of the carbon stock is in
 - Forested areas in the west and east,
 - Wetlands in the south



Opportunities to Store More Carbon

Climate-Smart Practice (lifespan)	Estimated Potential Acreage in Sonoma County	Modelled Potential Annual MT CO ₂ e Sequestration
Urban Forest (50yrs)	5,266	701,121
Riparian Forest Buffer on Ag Lands (45yrs)	4,503	40,797
Rangeland Planting (10yrs)	44,420	22,210
Prescribed Grazing (10yrs)	150,571	13,633
Compost on Rangeland (20 yrs)	21,437	31,941

Practice Lifespan: Estimated # of years a practice continues to have GHG Impacts

Urban Green Spaces



Photo by Frederique Lavoipierre Pacific Horticulture

Creek/Wetland/ River Restoration



Photo by USDA NRCS

Rangeland Planting



Photo by USDA NRCS

Compost/Mulch/Soil Amendment



Photo by MRCD

Silvopasture/Prescribed Grazing



Photo by Fibershed

Energy Audits of County Facilities



IGA kick-off in
July 2022

Walked and
evaluated scope on



87 sites

66 sites



With recommended
Improvements

Comprehensive analysis of



25+ facility
improvement
measures

Identified
\$1+ Million
in annual
utility savings



\$90 Million
in infrastructure
improvements

8m lbs CO₂
reduction



Preliminary costs
and savings
presented
November 23





Comprehensive Action Plan – Municipal Actions



Reducing Municipal Energy Use - Benefits

- Improve resiliency of County building stock
- Reduce utility operating costs
- Replace end of life equipment
- Replace out-of-date building controls systems
- Improve lighting quality and indoor comfort
- Reduce site carbon emissions through electrification and onsite renewable generation

Reducing Municipal Energy Use - Phasing Energy Upgrades

- **Phase I Upgrades | \$35.9 million & 384 MTCO₂e Reduction**
 - Self-funding through energy cost savings
 - Overall payback period of 20 years or less
 - Meet the requirements of Government Code 4217
 - Can be implemented through SST contracting and financing procedures
- **Phase II Upgrades | \$58.2 million & 3,267.3 MTCO₂e Reduction**
 - More capital-intensive
 - Do not meet the requirements of Government Code 4217
 - Result in substantial GHG emission reductions

Reducing Municipal Energy Use – Phase I

1. **Retrofit LED lighting** and controls at 55 County buildings
2. **Upgrade HVAC units** past their expected useful life at the Juvenile Justice Center, Facility Operations, Maintenance, and Animal Services
3. **Replace end-of-life HVAC controls with a Building Management System** and network-programmable thermostats in 45 buildings
4. Retro-commission, retrofit and/or replace **high flow water fixtures** across County
5. Install **high efficiency transformers** in up to 5 buildings
6. Install 5 **domestic heat pump hot water heaters**
7. Install 270 kW **Roof Mounted Solar PV** on roof area available at one building confirmed to remain in County Administration Center.
8. Install 2 MW of **Carport Solar PV** at the County Administration Center in parking areas to remain and not impacted by New County Campus plans. Sized to offset approximately 25% of current administration center site electricity usage in conjunction with rooftop solar.
9. Install up to 5000 kWh of **battery storage** at the County Admin Center and Los Guilicos Campus



Phase I Energy Upgrade Costs, Savings & Payback

SCOPE #	ENERGY CONSERVATION MEASURE	PROJECT COST (\$)	UTILITY SAVINGS (\$/YR)	O&M SAVINGS (\$/YR)	TOTAL SAVINGS (\$/YR)	GRANTS & INCENTIVES (\$)	SIMPLE PAYBACK w/ ESCALATION (YEARS)	UTILITY / CARBON REDUCTION	RESILIENCY / EMERGENCY PREPAREDNESS	MICROGRID
1	LED Lighting w/ Controls	\$5,071,200	\$403,100	\$25,400	\$428,500	\$0	10	X		
2	HVAC Upgrade	\$1,154,800	\$8,000	\$5,800	\$13,800	\$0	>20 yrs	X	X	
3	HVAC Controls Upgrade	\$7,083,600	\$123,000	\$35,400	\$158,400	\$0	>20 yrs	X		
4	Solar PV - Rooftop	\$1,334,100	\$61,600	-\$5,400	\$56,200	\$340,200	14	X	X	X
5	Solar PV - Carport	\$12,427,700	\$449,600	-\$39,400	\$410,200	\$3,169,100	16	X	X	X
6	Battery Energy Storage System (BESS)	\$6,600,000	\$75,800	-\$5,000	\$70,800	\$2,435,000	>20 yrs		X	X
7	Water Conservation	\$1,483,500	\$114,100	\$0	\$114,100	\$0	11	X		
8	High Efficiency Transformers	\$700,000	\$40,000	\$0	\$40,000	\$0	14	X	X	
9	Heat Pump DHW heaters, incentivized	\$119,900	-\$2,200	\$0	-\$2,200	\$103,800	N/A	X		
Total		\$35,974,800	\$1,273,000	\$16,800	\$1,289,800	\$6,048,100	17	X	X	X

Yearly Impact

- \$1,273,000 in utility savings; 17-year SPB
- 5,752,700 kWh saved
- 34,300 therms saved
- 846,500 lbs of CO2e reduced

Simple Payback After Contribution (years)	Contribution (\$)
17	\$0
15	\$2,656,000
12	\$9,717,000

Alternative Phase I A – No Solar or Storage

SCOPE #	ENERGY CONSERVATION MEASURE	PROJECT COST (\$)	UTILITY SAVINGS (\$/YR)	O&M SAVINGS (\$/YR)	TOTAL SAVINGS (\$/YR)	GRANTS & INCENTIVES (\$)	SIMPLE PAYBACK w/ ESCALATION (YEARS)	UTILITY / CARBON REDUCTION	RESILIENCY / EMERGENCY PREPAREDNESS	MICROGRID
1	LED Lighting w/ Controls	\$5,071,200	\$403,100	\$25,400	\$428,500	\$0	10	X		
2	HVAC Upgrade	\$1,154,800	\$8,000	\$5,800	\$13,800	\$0	>20 yrs	X	X	
3	HVAC Controls Upgrade	\$7,083,600	\$123,000	\$35,400	\$158,400	\$0	>20 yrs	X		
4	Water Conservation	\$1,483,500	\$114,100	\$0	\$114,100	\$0	11	X		
5	High Efficiency Transformers	\$700,000	\$40,000	\$0	\$40,000	\$0	14	X	X	
6	Heat Pump DHW heaters, incentivized	\$119,900	-\$2,200	\$0	-\$2,200	\$103,800	N/A	X		
Total		\$15,613,000	\$686,000	\$66,600	\$752,600	\$103,800	15	X	X	

Yearly Impact

- \$686,000 in utility savings; 15-year SPB
- 2,557,600 kWh saved
- 34,340 therms saved
- 642,100 lbs of CO2e reduced

Simple Payback After Contribution (years)	Contribution (\$)
15	\$0
12	\$3,802,000

Alternative Phase I B – No Solar, Storage, or Building Management System Upgrades

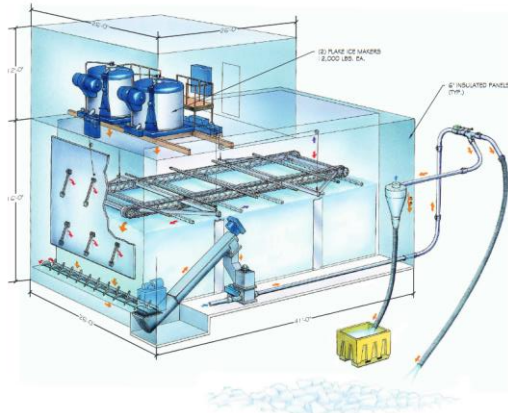
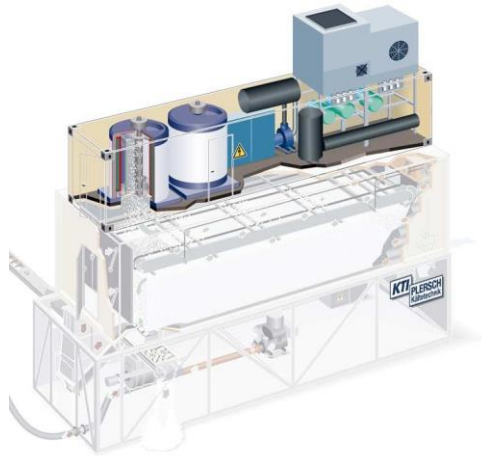
SCOPE #	ENERGY CONSERVATION MEASURE	PROJECT COST (\$)	UTILITY SAVINGS (\$/YR)	O&M SAVINGS (\$/YR)	TOTAL SAVINGS (\$/YR)	GRANTS & INCENTIVES (\$)	SIMPLE PAYBACK w/ ESCALATION (YEARS)	UTILITY / CARBON REDUCTION	RESILIENCY / EMERGENCY PREPAREDNESS	MICROGRID
1	LED Lighting w/ Controls	\$5,071,200	\$403,100	\$25,400	\$428,500	\$0	10	X		
2	HVAC Upgrade	\$1,154,800	\$8,000	\$5,800	\$13,800	\$0	>20 yrs	X	X	
3	Water Conservation	\$1,483,500	\$114,100	\$0	\$114,100	\$0	11	X		
4	High Efficiency Transformers	\$700,000	\$40,000	\$0	\$40,000	\$0	14	X	X	
5	Heat Pump DHW heaters, incentivized	\$119,900	-\$2,200	\$0	-\$2,200	\$103,800	N/A	X		
-	CMP demand shift	\$0	\$60,000	\$0	\$60,000	\$0	N/A	X		
Total		\$8,529,400	\$623,000	\$31,200	\$654,200	\$103,800	11	X	X	

Yearly Impact

- \$623,000 in utility savings; 11-year SPB
- 2,038,500 kWh saved
- 1,900 therms saved
- 173,000 lbs of CO2e reduced

Simple Payback After Contribution (years)	Contribution (\$)
11	\$0
10	\$323,000

Reducing Municipal Energy Use – Phase II



1. **Upgrade units past their expected useful life** across building stock
2. Install 120 ports of Level 2 **EV charging stations** across building stock
3. Install **heat pump hot water heaters** not included in Phase I
4. **Upgrade Central Mechanical Plant** at County Admin Campus to air and water source heat pumps
5. **Replace failing Spud Point Icehouse** with new system

Phase II – Preliminary Energy Conservation Measures for Future Consideration

SCOPE #	ENERGY CONSERVATION MEASURE	PROJECT COST (\$)	UTILITY SAVINGS (\$/YR)	O&M SAVINGS (\$/YR)	TOTAL SAVINGS (\$/YR)	GRANTS & INCENTIVES (\$)	Avoided costs	UTILITY / CARBON REDUCTION	RESILIENCY / EMERGENCY PREPAREDNESS	MICROGRID
1	HVAC Upgrade	\$29,682,100	\$69,700	\$148,400	\$218,100	\$0	\$23,464,111	X	X	
2	Heat Pump DHW heaters	\$2,713,300	-\$26,000	\$0	-\$26,000	\$869,800	\$0	X		
3	EV Chargers	\$4,893,400	\$51,200	-\$51,200	\$0	\$0	\$3,868,300		X	
4	HHW upgrade	\$17,765,400	-\$403,700	\$0	-\$403,700	\$0	\$0	X		
5	Spud Point Ice House	\$3,200,000	\$5,250	\$20,000	\$25,250	\$0	\$2,529,644	X		
Total		\$58,254,200	-\$303,550	\$117,200	-\$186,350	\$869,800	\$46,050,751	X	X	X

Yearly Impact

- \$303,500 in utility cost; No Simple Payback (SPB)
- 3,807,550 kWh increase
- 531,000 therms saved
- 7,203,000 lbs of CO2e reduced

Finalizing Scope & Cost of Upgrades

- Investment Grade Audits completed by end of 2023
- Seeking Board direction today re: initial interests
- Return with final package cost and funding recommendations in April 2024

Reducing Municipal Transportation Emissions - Vehicles

- Light Duty Fleet
 1. Develop Fleet Electrification Plan to replace all eligible LD gas vehicles
 2. Replace all eligible LD fleet vehicles by 2030
 3. Recommendations from Draft EV Investment Roadmap
- Heavy Duty Fleet
 1. Develop HD Fleet Decarbonization Strategy
- Transit Bus Fleet
 1. Replace all transit buses with electric coaches



Toyota Prius Prime
Credit: Vincent Mulligan

Reducing Municipal Transportation Emissions - Infrastructure

1. Develop Municipal EV Infrastructure Plan
2. Expand EV charging for Light Duty Fleet in sync with fleet conversion
3. Expand EV charging for Heavy Duty Fleet in sync with fleet conversion
4. Plan for maintenance facility needs to support EV & Alternative fuels
5. Plan for maintenance staff knowledge gaps & training needs
6. Implement staff development and changes to job specs



Credit: iStock Photo

Reducing Municipal Transportation Emissions

– Employee Commute

1. Optimize telework policy
 2. Provide pre-tax benefits for non-SOV commuting
 3. Expand worksite EV charging
 4. Optimize transit incentives
 5. Initiate shuttle service from SMART to Government Center
 6. Expand rideshare support and incentives
- On October 17th, Board of Supervisors approved:
 - ✓ Reciprocal bus pass pilot program with City of Santa Rosa for employees to ride free
 - ✓ Free EV charging for County employees for up to 3 hours per day
 - ✓ Free bike parking at bike lockers located on County campus
 - ✓ Increase in the Clean Commute Monthly Incentive from \$40 to \$100 per month per employee

Reducing Municipal Waste

1. Expand outreach & education to staff
2. Establish policy to audit facilities run by subcontractors
3. Develop integrated, holistic waste management at public-use facilities (Vets Halls, parks, campgrounds, marinas)
4. Incentivize vendor contracts to meet zero waste goals
5. Develop & implement seasonal programs and staffing for seasonal waste locations
6. Provide ongoing technical/compliance assistance with Zero Waste Sonoma and Recology
7. Adopt the Zero Waste Sonoma CD&D Model Ordinance for County projects

Increasing Carbon Sequestered on County Lands

1. Collaborate with partners to set achievable annual sequestration goals & identify priority practices to achieve them
2. Support the Sonoma County Agricultural Preservation and Open Space District on strategic land protection and stewardship
3. Work with Permit Sonoma to implement existing and develop new land use policies
4. Track specific landscape type conversions to understand where/how landscapes have changed over time
5. Implement Climate Smart Practices on County facilities and lands
6. Develop a Street Tree Master Plan
7. Support a carbon sequestration training for landscape professionals, and County and municipal parks and recreation staff
8. Continue to develop equity criteria to evaluate and prioritize County investments on private lands

Improving Municipal Water Resilience

1. Evaluate and prioritize water saving opportunities at existing County facilities
2. Incorporate water saving features into new construction of County facilities
3. Coordinate with and support Sonoma Water's implementation of their Climate Adaptation Plan
4. Coordinate with and support Sonoma Water's implementation of their Energy & Climate Plan

Improving Municipal Wildfire Resilience

1. Complete study of sustainable, integrated wildfire risk management program
2. Develop sustainable funding and implement integrated program
3. Evaluate and prioritize wildfire risk reduction opportunities on County-owned lands, including parks, public rights of way and other vegetated spaces, and partner with Ag+OS and Sonoma Water to evaluate their lands
4. Evaluate and prioritize wildfire structure hardening opportunities for County facilities
5. Develop a wildfire risk reduction action plan for County lands and facilities, integrated into other emergency planning efforts

Board Input Requested

At this stage of the Workshop staff seeks direction from your Board on:

1. The general approach and proposed content for the Climate Resilience Comprehensive Action Plan
2. The proposed scope of municipal emission reduction and carbon sequestration actions, specifically:
 1. if there are any identified that your Board decides should not be included
 2. if there are any categories of actions, or specific actions, that should be added
3. The specific scope and phasing of energy upgrades proposed for County facilities



Comprehensive Action Plan – Community Support



Climate Action and Resiliency Through the Years

2006 - 2008

Internal County Services
 General Services comprehensive energy project support
 Employee commute survey
 Utility management

2009 - 2011

Sonoma County Energy Watch
 Sonoma County Energy Independence Program
 Tool Lending Library
 Whole house energy audit rebate program
 Education and Outreach

2012 - 2014

Greentivities Fair Exhibit
 Healdsburg Green Contract
 Windsor Pay-As-You-Save (PAYS) Administration
 One Day Clean Commute Campaign
 Better Building Consultations

2015 - 2019

Lunch with ESD
 PACE Marketplace
 Rebuild consultations
 Green Business program
 BayREN Marketing and Outreach
 Sonoma Public Energy (PG&E partnership)
 DIY Toolkit

2020 – current

Climate Action & Resiliency/Energy & Sustainability
 Quarterly online webinar series
 Home Resilience Guide
 In-person workshops
 Induction cooking expos
 Video library



Community Support – A Model That Works



Community

Single-family

Commercial

Agricultural

Multi-family

Industrial

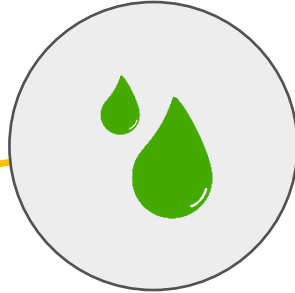
Public Buildings

Impacts



'Local Multiplier' Effect
Financing: **\$ 103.4 Million**
Incentives: **\$10.8 Million**

Water Saved:
890 Million Gallons



Electricity Saved: 27,150,562 kWh
Natural Gas Saved: 136,724 therms
Enough energy to power over 2,500 homes



**GHG emissions reduced by
144,336 metric ton
equivalents of CO₂. Like
taking 32,119 gasoline
powered cars off the road
each year!**



Outreach and Education

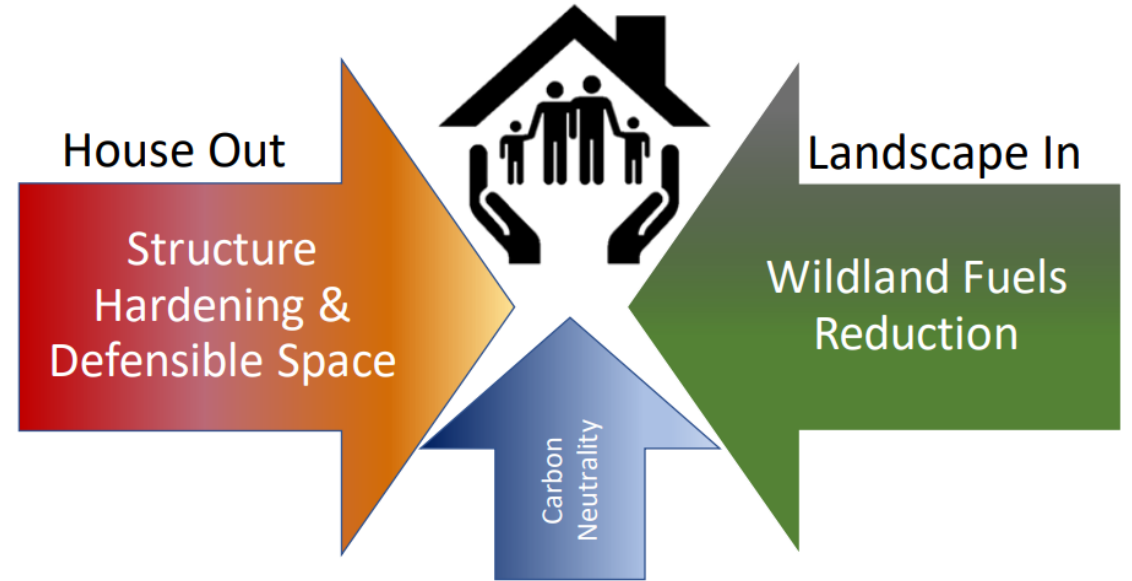
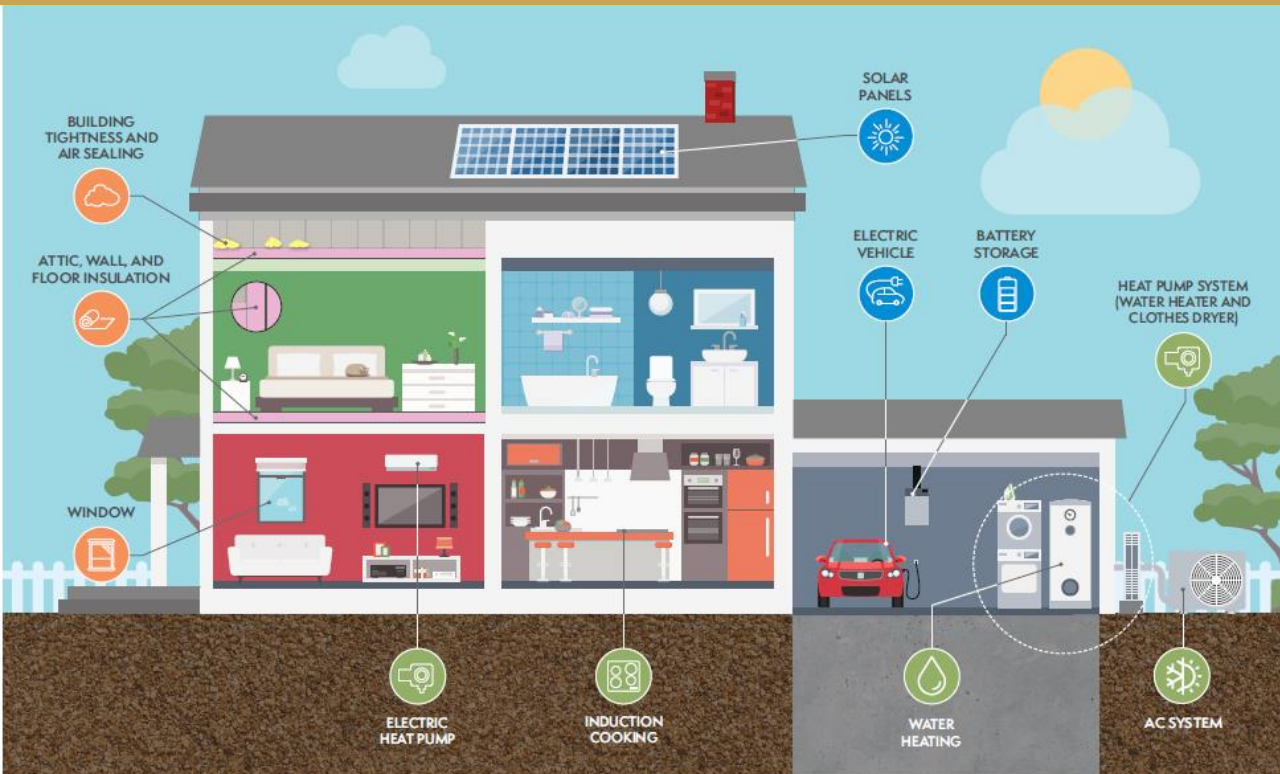
Events: 423
Inquiries: 41.5k
Presentations: 112
Workshop Attendees: 3,786



Work Force

Jobs Created/Retained: 2,260
Energy Tools Loaned: 2,001
Contractor Trainings: 53

Resilient Homes



The Path to Decarbonization



Determine Resilience Barriers

Process to Identify Barriers

Engage Partnership Organizations



Identify Barriers to Creating Resilience in Communities



Determine Priorities for Communities



Streamline Diverse Resilience Implementation Processes

Figure 5. U.S. EPA California ecoregions in Sonoma County.

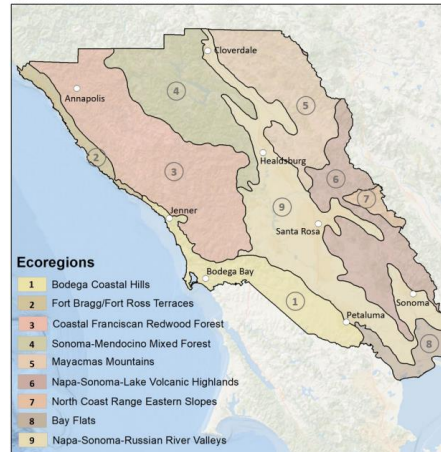


Figure 3. Wildfire Risk Index across Sonoma County.

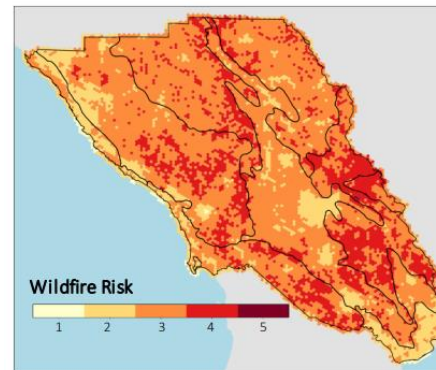


Table 9. Percent of ecoregion affected by each hazard. Colors mark a range from most affected (red) to least affected (green).

Ecoregion	High Fire Risk (%) ¹	Flood Awareness + FEMA 100 Year flood (%) ²	High Landslide Risk (%) ³	75 cm Sea Level Rise (%) ⁴	75 cm Sea Level Rise + 100-Year Storm (%) ⁵	200 cm Sea Level Rise (%) ⁶
Bodega Coastal Hills	29.0	4.0	44.7	1.0	1.4	1.4
Coastal Franciscan Redwood Forest	20.5	3.3	82.9	0.2	0.3	0.2
Bay Flats	0.7	89.0	2.2	44.3	66.0	89.5
Fort Bragg/Fort Ross Terraces	0.0	4.8	22.0	1.1	1.4	1.4
Napa-Sonoma-Russian River Valleys	11.6	14.4	12.1	0.1	0.1	0.5
Mayacamas Mountains	16.2	2.5	73.4	0.0	0.0	0.0
Napa-Sonoma-Lake Volcanic Highlands	51.3	1.7	66.4	0.0	0.0	0.0
North Coast Range Eastern Slopes	58.2	0.9	87.0	0.0	0.0	0.0
Sonoma-Mendocino Mixed Forest	22.5	1.2	74.9	0.0	0.0	0.0

Build Out Resilient Communities

▶ Determine Partner Organizations Aligned with Community Members

▶ Engage with Community Members via Partner Organizations to Determine Priorities

▶ Develop Strategic Steps for Removing Barriers to Promote Climate Resilience





Costs, Benefits, and Next Steps



Next Steps: Cost-benefit Analysis of Municipal Actions

- Quantifies cost and benefits of actions and their consequences to the County – and, as applicable, to businesses, individual residents, communities, the environment, and the economy at large
- Compares costs and benefits of different actions to inform decision-making
- Releasing RFP for contractor support

Multi-criteria Analysis of Municipal Actions & Community Support

- Qualitative analysis of emission reduction actions
- Based on the County's Climate Action Resilience & Equity (CARE) framework
- Prioritizes actions based on potential for multiple benefits
- Is not a cost-benefit analysis

Action ID	Action Short Name	Current MCA Score
WNS2-C	Support climate-smart agriculture	67.33
WNS2-G	Protect existing rural and urban forest cover and green spaces	65.67
CRA2-C	Support clean community energy	54.67
WNS1-C	Align with Resilient Lands Strategy	52.17
T3-G	Reduce County staff commuting	47.50
T1-C	Improve transit access and options	47.33
WNS3-G	Implement green stormwater infrastructure (GSI) projects	41.33
BE3-G	Electrify County buildings	40.67
BE2-G	Perform energy efficiency upgrades and retrofits	40.67
CRA3-C	Support community wildfire resilience	40.67
CRA6-C	Support community flooding resilience	39.67
CRA1-C	Create climate resilience hubs	38.67
WNS1-G	Conserve water	38.17
T2-C	Expand pedestrian and bicycle facilities	38.00
BE4-G	Implement on-site solar and backup energy storage	36.17
T2-G	Install EV chargers at County facilities	33.83
BE6-G	Develop a County construction policy	33.00
CRA5-C	Support community extreme weather resilience	32.67
CRA4-C	Support community drought resilience	31.17
T1-G	Electrify County fleet	30.50
T3-C	Promote cleaner air travel	29.00
BE5-G	Reduce refrigerant emissions	26.00
WMM3-G	Increase diversion of waste from landfills	22.33
WMM1-G	Reduce landfill impact	21.33
T4-G	Reduce County business travel	19.50
BE1-G	Transition to Sonoma Clean Power's Evergreen program	17.50
WMM2-G	Update Green Purchasing Policy	13.00

Potential Funding Sources

- Discretionary budget funds
- Financing
- Use surcharges & mitigation fees
- Public-private partnerships
- County-wide funding initiative
- Grants



Grants Status

Awarded Grants

- USDA SMACC Climate-smart practices - \$10M
- Mobile Solar EV Chargers Expansion - \$791K Appropriation
- EVITC Certification Program (included in above)
- CAL EPA Russian River Pathogen Reduction Project - \$250K
- DOE EECBG Award for Fleet Electrification Plan - \$233K

Submitted Grants

- Resilient Sonoma Microgrid Strategy/RCPA – Awaiting decision
- Strategic Growth Council/Sonoma Ecology Center - \$1,750,000 – Application submitted 12.6.23
- DOT/Caltrans Climate Action Planning Grant – 1.18.24
- DOT/Caltrans Community Fueling Infrastructure Grant – NOFA winter release
- NEVI/CEC – NOFA release early 2024
- CEC California Equitable Decarbonization Program – Energy Efficiency for MFH
- Air Quality District Climate Reduction Grant Program – Energy Efficiency & Transportation
- Community Economic Resilience Fund – Green Jobs Workforce

Next Steps to a Climate Resilience Comprehensive Action Plan

- **Ongoing:** Interviews & Focus Groups
- **January – April 2024:** Cost-benefit Analysis of Municipal Actions
- **April 2024:** Final report to Board on Investment Grade Energy Audits & recommendations for upgrades to County facilities
- **May 2024:** Draft Climate Resilience Comprehensive Action Plan for Board consideration

Board Input Requested

Staff seeks direction from your Board on:

1. Approach and proposed content for the Climate Resilience Comprehensive Action Plan;
2. Proposed scope of municipal emission reductions and carbon sequestration actions;
3. Scope and phasing of potential energy upgrades for County facilities;
4. Support for community progress to carbon neutrality and resilience; and
5. Approach to the cost-benefit analysis and the multi-criteria analysis of the draft Plan.