

Note: this is a work in progress.

	Goal	Tools	Potential Measure(s) of Effectiveness	Lead County Department(s)	Potential Partners	Co-Benefits	Estimated Costs	Estimated Savings
<p>Note: the Climate Action Plan pertains to County Operations and County facilities, and the unincorporated communities in the County. Cities develop their own Climate Action Plans, at their discretion. □</p> <p>Frontline communities are the communities that have been and will continue to be hit first and worst by the impacts of the changing climate, and are the least able to adapt, resist, or recover from those impacts.</p>								
1	Clean and Efficient Built Environment	<i>Homes, workplaces, and businesses in Contra Costa County run on clean energy</i>						
1.1	Increase the number of carbon neutral (or resilient?) buildings in Contra Costa County	· Building electrification	· Adopted electrification reach code	Conservation and Development		Health		
		· Energy Efficiency and weatherization programs	· Participation in energy efficiency and weatherization programs by residential and commercial buildings (including County facilities), with attention to participation in frontline communities · Establish Green and Healthy Homes Initiative	Conservation and Development Health	MCE	Health Bill Savings		
		· Energy storage	· # of buildings with energy storage systems, including County facilities	Conservation and Development Public Works				
		· Carbon Neutral County Buildings	· Energy efficient lighting and other appliances and mechanical systems · Green building certifications	Public Works				
		· Solar water heating	· Reach code requiring solar water heating (?)	Conservation and Development				
1.2	Replace fossil fuel electricity with renewable electricity	· Increase participation in MCE Deep Green program by County facilities and residents and businesses	· # and percent of County and community accounts enrolled in MCE Deep Green	Public Works (for County facilities)	MCE	Health Bill Savings		
		· Install more renewable electricity in Contra Costa County	· MW rooftop and parking lot solar installed in unincorporated County, including County facilities and frontline communities · MW wind installed in unincorporated County	Public Works (for County facilities)	Solar Developers and installers MCE Renewable energy developers	Health		

We welcome your comments on these draft goals and strategies. Please submit any comments to Jody London, Contra Costa County Sustainability Coordinator, at Jody.London@dcd.cccounty.us or (925) 674-7871.

Note: this is a work in progress.

	Goal	Tools	Potential Measure(s) of Effectiveness	Lead County Department(s)	Potential Partners	Co-Benefits	Estimated Costs	Estimated Savings
<p>Note: the Climate Action Plan pertains to County Operations and County facilities, and the unincorporated communities in the County. Cities develop their own Climate Action Plans, at their discretion.☐</p> <p>Frontline communities are the communities that have been and will continue to be hit first and worst by the impacts of the changing climate, and are the least able to adapt, resist, or recover from those impacts.</p>								
2	Resilient Communities and Natural Infrastructure	<i>Contra Costa County will increase resilience to climate hazards and foster community health</i>						
2.1	Establish and maintain community resilience hubs with microgrids, education, and training opportunities	· Develop feasibility analysis and implementation plan for siting community resilience hubs across the County, with attention to frontline communities	· Adopted plan for community resilience hubs · # community resilience hubs · # permits issued for battery storage projects	Conservation and Development Public Works Office of Emergency Services				
		· Identify opportunities for battery storage projects at County facilities.	· # battery storage projects at County facilities	Public Works	County Fire Department Health Dept. Office of Emergency Services			
		· Emergency response plans include climate-induced disasters such as wildfires, sea level rise/flooding and drought, focusing on equitable recovery, especially for undocumented residents.	· Updated emergency response plans	Conservation and Development Public Works Office of Emergency Services	Bay Conservation and Development Cmsn. County Office of Justice and Re-entry			
2.2	Sequester carbon in natural lands in Contra Costa County	· Carbon farming on public and private lands	· Feasibility study for carbon farming in Contra Costa County · Pilot carbon farming project(s)	Conservation and Development	Rescape			
		· Track number of native trees planted by County and public and private partners	· # trees planted on County property · # tree permits issued for projects in unincorporated County	Conservation and Development				
		· Install green infrastructure	· Progress report on implementation of County's green infrastructure plan for County facilities · [how to measure for green infrastructure on private property?]	Public Works				
		· Increase use of pervious paving	· Miles or square feet pervious paving installed in County projects	Public Works				
2.3	Address impacts of heat islands	· Increase number of cool roofs	· # permits for cool roofs, both private and County	Conservation and Development Public Works	Health Dept.			

Note: this is a work in progress.

	Goal	Tools	Potential Measure(s) of Effectiveness	Lead County Department(s)	Potential Partners	Co-Benefits	Estimated Costs	Estimated Savings
<p>Note: the Climate Action Plan pertains to County Operations and County facilities, and the unincorporated communities in the County. Cities develop their own Climate Action Plans, at their discretion. □</p> <p>Frontline communities are the communities that have been and will continue to be hit first and worst by the impacts of the changing climate, and are the least able to adapt, resist, or recover from those impacts.</p>								
3	No-Waste Contra Costa	<i>Contra Costa County generates no more solid waste than 2.25 pounds per person per day (PPD)</i>						
3.1	Increase amount of organic waste generated by County residents and businesses and at County facilities that gets composted or converted into energy	· Implement source separated organics collection service for residential and commercial customers in County controlled franchise areas.	· % of County controlled Franchise areas with source separated organics collection for residential customers · Number and percentage of County (owned/maintained or controlled?) buildings with organics collection	Conservation and Development Public Works	Solid Waste Haulers			
		· Encourage and support wastewater agencies potential acceptance of food waste or other acceptable organic materials for processing in on-site anaerobic digesters (to maximize existing capacity or potential expansion).		Conservation and Development				
		· Implement 3-stream recycling at all County (owned, maintained, controlled, occupied?) facilities.	· # County facilities with 3-stream recycling · Tonnage, by type, of recycled materials, by facility	Public Works				
		· Implement source separated organics collection service at offices/facilities occupied by County departments.		Public Works				
		· Increase amount of organic waste generated composted material created by County occupied (owned & leased?) facilities that gets composted or converted into energy		Public Works				
3.2	Reduce waste from County operations, including contracts for services and products.	· Update and implement County environmentally preferable purchasing policy	· Recycled content of County purchases · Requirements for County vendors and contractors to adopt and implement environmentally preferable purchasing policies	Public Works				
		· Ensure all County facilities have and use composting and recycling options	· Food waste, recycling, composting at County facilities	Public Works				
		· Use low-carbon content building and paving materials	· Conduct feasibility study of low-carbon content building and paving materials · Bay-friendly landscaping practices	Conservation and Development Public Works				

Note: this is a work in progress.

	Goal	Tools	Potential Measure(s) of Effectiveness	Lead County Department(s)	Potential Partners	Co-Benefits	Estimated Costs	Estimated Savings
<p>Note: the Climate Action Plan pertains to County Operations and County facilities, and the unincorporated communities in the County. Cities develop their own Climate Action Plans, at their discretion.</p> <p>Frontline communities are the communities that have been and will continue to be hit first and worst by the impacts of the changing climate, and are the least able to adapt, resist, or recover from those impacts.</p>								
4	Reduce Water Use and Increase Drought Resilience	<i>Contra Costa County uses less water and communities are prepared for drought</i>						
4.1	Reduce water use in unincorporated County and in County facilities	· Promote water conservation	· Reduction in overall water use as reported by water companies · Reduction in water use at County facilities		East Bay Municipal Utility District Contra Costa Water District Other water suppliers Central Sanitation District?	Water is important because pumping water uses electricity, which contributes to climate change unless it is clean electricity		
		· Increase acreage of drought tolerant landscaping, including at County facilities	· square footage of drought tolerant projects at County facilities · # drought tolerant permits issued by County · # participants in Contra Costa Water District Lawn to Garden program					
		· Offer BayREN water bill savings program through Contra Costa water purveyors	· # water districts participating in BayREN water savings program · # customers participating in program	Conservation and Development (?) Public Works				
		· Encourage greywater/rainwater catchment systems, including at County facilities	· # gray water systems installed at County facilities					

Note: this is a work in progress.

	Goal	Tools	Potential Measure(s) of Effectiveness	Lead County Department(s)	Potential Partners	Co-Benefits	Estimated Costs	Estimated Savings
<p>Note: the Climate Action Plan pertains to County Operations and County facilities, and the unincorporated communities in the County. Cities develop their own Climate Action Plans, at their discretion. □</p> <p>Frontline communities are the communities that have been and will continue to be hit first and worst by the impacts of the changing climate, and are the least able to adapt, resist, or recover from those impacts.</p>								
5	Clean Transportation System and Infrastructure	<i>Contra Costa County's transportation system provides safe and accessible options for walking, biking, and transit.</i>	<i>If residents and workers are driving, they are in electric vehicles.</i>					
5.1	Reduce vehicle miles traveled in Contra Costa County by increasing number of people who bike, walk, and take public transit.	<ul style="list-style-type: none"> · Implement Complete Streets and Vision Zero policies 	<ul style="list-style-type: none"> · Miles bike lane installed annually in unincorporated County, for all Classes and by Class (Class 1 = shared use bike path, Class 2 = marked bike lane, Class 3 = wider, marked bike lane, Class 4 = protected bike lane) · % of unincorporated County in which low-stress bikeway network is completed (CCTA 2018 plan) · Miles bike lane installed annually in frontline communities in unincorporated County, for all Classes and by Class · Miles sidewalk and trail installed annually in unincorporated County · # multi-modal transportation corridors <p><u>For County operations:</u></p> <ul style="list-style-type: none"> · [need way to measure whether employees carpool to in-person meetings] · # online meetings or conference calls held in lieu of in person meetings, where appropriate · Administrative Bulletin supporting videoconferencing and conference calls, where appropriate 	Conservation and Development Public Works	Contra Costa Transportation Authority Transit providers	Health Quality of life		
		<ul style="list-style-type: none"> · Increase transit service and ensure transit is safe and affordable 	<ul style="list-style-type: none"> · Ridership on shuttles, other forms of public transit from BART to County offices and other large employment centers · Transit ridership in County service areas 					
		<ul style="list-style-type: none"> · Identify strategies and funding to implement recommendations in 2019 Employee Commute Survey for County employees 	<ul style="list-style-type: none"> · Update and implement County telecommuting policy · # and percentage of County employees using pretax commute benefit 					

Note: this is a work in progress.

	Goal	Tools	Potential Measure(s) of Effectiveness	Lead County Department(s)	Potential Partners	Co-Benefits	Estimated Costs	Estimated Savings
<p>Note: the Climate Action Plan pertains to County Operations and County facilities, and the unincorporated communities in the County. Cities develop their own Climate Action Plans, at their discretion.☐</p> <p>Frontline communities are the communities that have been and will continue to be hit first and worst by the impacts of the changing climate, and are the least able to adapt, resist, or recover from those impacts.</p>								
5.2	Increase percentage of electric vehicles in Contra Costa County; County fleet is 100% electric by 2030, community fleet is 10% electric by 2030	· Encourage electric vehicle adoption by County residents and businesses	· # of EVs registered in unincorporated County	Conservation and Development	Contra Costa Transportation Authority DMV records CA rebate data (where available)			
		· Enforce County vehicle purchasing policy	· # EVs purchased annually for County fleet · Percentage of County fleet that is all-electric	Public Works CAO				
		· Ensure adequate EV charging infrastructure	· # of electric vehicle chargers installed at County facilities, both for County fleet and public use	Conservation and Development Public Works County Administrator	Contra Costa Transportation Authority MCE (# customers on EV time of use rate)			
6	Climate Equity	<i>The CAP will mitigate environmental factors leading to health disparities, promote safe and livable communities,</i>	<i>and promote investments that improve neighborhood accessibility.</i>					
6.1	All residents live in clean, healthy homes and neighborhoods, have access to parks, open space, and fresh food, and can easily move through the County.	· Evaluate CAP strategies for equitable benefits for frontline communities.	· Include environmental justice and climate issues in County Racial Equity Action Plan · Funds spent by County departments on weatherization and other services in disadvantaged communities compared to non-disadvantaged communities	County Administrator Conservation and Development Health				
		· Ensure every County department is including climate solutions in services to residents	???	All departments				
		· Engage communities most impacted by climate change in developing and implementing the solutions	???					
6.2	County investments support climate equity.	Implement best practices in Environmental, Social, and Governance considerations as CAP is implemented	· Adopted guidance on best practices · Advocate for Contra Costa Employees Retirement Association to use ESG in its investment priorities	County Administrator Conservation and Development				Click here for CalPERS Sustainable Investments Program

Note: this is a work in progress.

	Goal	Tools	Potential Measure(s) of Effectiveness	Lead County Department(s)	Potential Partners	Co-Benefits	Estimated Costs	Estimated Savings
<p>Note: the Climate Action Plan pertains to County Operations and County facilities, and the unincorporated communities in the County. Cities develop their own Climate Action Plans, at their discretion. □</p> <p>Frontline communities are the communities that have been and will continue to be hit first and worst by the impacts of the changing climate, and are the least able to adapt, resist, or recover from those impacts.</p>								
6.3	Increase access of County residents to parks and open space	· Adopt 10 Minute Walk goal (to a park or open space) for all residents of unincorporated County	· # residents in unincorporated County, including those in frontline communities, located within a ten-minute walk of a park or other green space	??	East Bay Regional Parks District? Save Mt. Diablo?	Health		
6.4	Increase access of County residents to local, fresh food	· Facilitate creation of more farmer's markets	· # regular farmers markets in all communities and in frontline communities	???				
		· Adopt and implement policy designating parcels for urban gardens	· # permits issued for urban gardens in all communities and in frontline communities (if permits are required by policy)	Conservation and Development Health Department	Chambers of Commerce Contra Costa Resource Conservation District (?)	Health		
6.5	Large industrial facilities will be good neighbors. [placeholder]	· Provide recommendations to responsible permitting agencies regarding permits for fossil-fuel based industries/point sources	· # comment letters submitted	County Administrator? County Counsel? Conservation and Development?				
		· Track data on fossil fuel products produced and/or transported in and through Contra Costa County	· Establish a method by which the quantity and type of fossil and bio-fuels produced, refined, stored in, and distributed through the County can be determined, and periodically reported. Further establish a method to gather information on specific fossil fuel facilities in Contra Costa County, including changes of ownership, mergers and acquisitions, investor presentations and reports, or any other public information that may indicate a facility's interest or intent to expand in the future, taking into account broader market trends in oil and gas refining and export in the Bay Area. (example City of Tacoma)	County Counsel Conservation and Development Health Department				

Note: this is a work in progress.

	Goal	Tools	Potential Measure(s) of Effectiveness	Lead County Department(s)	Potential Partners	Co-Benefits	Estimated Costs	Estimated Savings
Note: the Climate Action Plan pertains to County Operations and County facilities, and the unincorporated communities in the County. Cities develop their own Climate Action Plans, at their discretion.☐								
Frontline communities are the communities that have been and will continue to be hit first and worst by the impacts of the changing climate, and are the least able to adapt, resist, or recover from those impacts.								
7	Leadership	<i>Contra Costa County is a model for how local government can take action on climate issues.</i>						
7.1	Contra Costa County is a leader among local governments on how it addresses climate issues	· Establish a cross-departmental task force that collaborates on equity and climate issues	· Establishment of task force. · Ongoing work products from task force.	Conservation and Development County Administrator	All County Departments			
		· Incorporate Climate Action Plan goals in to ongoing work	· Reports to Board of Supervisors include sustainability impact statement · Annual report on conditions placed on discretionary projects to ensure support of Climate Action Plan goals	Conservation and Development County Administrator	All County Departments			
		· All County departments participate in County's Green Business Program	· Number of County departments certified by Green Business Program	Health Department				
		· All County departments participate in EBMUD Water Smart Business program	· Number of County departments certified through Water Smart Business program		EBMUD			
7.2	Contra Costa County takes action to address the climate emergency	Adopt a climate emergency resolution that includes actions the County will take.	· Adopted climate emergency resolution · Actions taken to implement climate emergency resolution	Board of Supervisors All departments				