

COMPARISON OF CONTRA COSTA COUNTY CLIMATE ACTION PLAN AND MUNICIPAL CLIMATE ACTION PLAN, CALIFORNIA DRAFT SCOPING PLAN UPDATE, AND BAAQMD DRAFT CLEAN AIR PLAN

	A	B	C	D	E
1		Contra Costa County Climate Action Plan (2015)	Contra Costa County Municipal Climate Action Plan (2008)	California Air Resources Board 2017 Draft Climate Change Scoping Plan Update	Bay Area Air Quality Management District Draft 2017 Clean Air Plan
2	Energy Efficiency				Framework: · Increase energy efficiency and the use of onsite renewable energy.
3	Energy Efficiency	Energy Efficiency Incentive Programs: · Continue and expand single-family, multi-family, and commercial customer participation in established rebate programs, including BayREN and East Bay Energy Watch. · Increase participation in low-income weatherization programs and seek additional program funding. · Work with PG&E to advertise and promote a residential appliance rebate program with a focus on properties with potential high appliance energy use.		Energy Efficiency Incentive Programs: · Create incentive programs to promote building energy efficiency projects.	

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4	Energy Efficiency	<p>Energy Efficient Operations:</p> <ul style="list-style-type: none"> · Complete LED upgrade of traffic signals, street lighting, and other public lighting located in the unincorporated areas of the County. · Support various programs to plant and maintain trees in urban and rural areas. · Site County facilities that have more than 50 personnel in close proximity to infrastructure and services that support alternative commute modes. · Continue to conduct audits of existing and recently acquired facilities, prioritize improvements, and upgrade County facilities to save energy. 	<p>Energy Efficient Operations:</p> <ul style="list-style-type: none"> · Set the default on all County copying/printing machines to duplex (double-sided) mode for all print jobs and possibly copy jobs. · Purchase energy efficient copiers, computers, and other office equipment. · Install thermally resistant window films on County buildings. · Ensure HVAC controls and re-commissioning program in County buildings. · Install LEDs in all County-owned streetlights and traffic signals. 	<p>Energy Efficient Operations:</p> <ul style="list-style-type: none"> · Replace public lighting with energy-efficient lighting. · Implement large-scale energy storage in commercial and industrial buildings to control peak loads. · Implement building energy audit and retrofit programs and residential solar programs. · Require energy conserving appliances, programmable thermostats/timers, reporting of energy use by large residential and commercial developments. · Set per capita energy use targets. 	<p>Energy Efficient Operations:</p> <ul style="list-style-type: none"> · Limit the installation of space and water heating systems and appliances powered by fossil fuels.

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5	Energy Efficiency	Energy Efficiency Policies: <ul style="list-style-type: none"> · Develop policies related to powering off lights and appliances in County buildings after hours and after dark. 		Energy Efficiency Policies: <ul style="list-style-type: none"> · Adopt local ordinances to require energy-efficiency upgrades for existing buildings at the time of a major remodel or change of ownership. · Reduce permit fees and streamline permitting requirements for energy-efficiency- and renewable energy-related building renovations. · Require all new construction to achieve third-party green building certifications. 	

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6	Energy Efficiency	<p>Energy Efficiency Outreach:</p> <ul style="list-style-type: none"> · Create a prioritized list of energy-intensive facilities to target for additional education and/or financial support; · Inform nonresidential building owners about the savings potentials from retrocommissioning, retrofits, and deep retrofits; · Inform the business community about the monetary benefits associated with energy-efficient appliances; · Engage with PG&E to provide multilingual and culturally relevant educational material to residents and businesses to increase awareness and use of real-time energy consumption data; · Work with the Bay Area Green Business Program to highlight examples of energy-efficient local businesses. 	<p>Energy Efficiency Outreach:</p> <ul style="list-style-type: none"> · Create an employee energy awareness program to promote energy conservation and efficient use of County facilities. 		<p>Energy Efficiency Outreach:</p> <ul style="list-style-type: none"> · Decrease energy use in the Bay Area by increasing consumer awareness about energy efficiency through education and outreach and tracking electricity use.

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7	Energy Efficiency	<p>Energy Financing:</p> <ul style="list-style-type: none"> · Develop outreach materials that explain the opportunities for financing energy efficiency retrofits such as a PACE program, low-interest energy efficiency loans through the CEC, integration of energy efficiency retrofit projects into capital lease structures, and mortgage refinancing; · Identify staffing and a revenue stream to develop a shared landlord-tenant program to support the financing of energy efficiency retrofits to renter-occupied buildings; · Collaborate with local organizations to develop and implement the outreach approaches outlined in this measure. 		<p>Energy Financing:</p> <ul style="list-style-type: none"> · Promote property-assessed clean energy financing districts or other financing mechanisms to fund permanent energy-efficiency, water-efficiency, and renewable energy improvements in the residential and commercial sectors. 	<p>Energy Financing:</p> <ul style="list-style-type: none"> · Facilitate market-based solutions to reduce greenhouse gas emissions.

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8	Energy Efficiency	<p>Building Design and Construction:</p> <ul style="list-style-type: none"> · Encourage increased use of higher-albedo materials for surfaces including roofs, parking areas, driveways, roads, and sidewalks; · Encourage developments with parking lot areas to shade these areas with vegetation or solar panels when appropriate; · Continue to promote the use of low-impact development (LID) strategies and reduction in impervious surface area of new development; · Encourage increased use of cool roof materials on new and existing buildings to reduce the urban heat island effect and corresponding cooling energy consumption. 		<p>Building Design and Construction:</p> <ul style="list-style-type: none"> · Adopt guidelines for incentivizing new buildings to maximize energy conservation designs. Develop strategies and goals to reduce urban heat islands through cool roofs, shade trees, and cool non-roof surfaces, including covered parking areas with PV systems to provide shade. · Require cool roofs and/or green roofs on new construction. · Require cool paving and/or light reflective permeable surfaces in sidewalks, patios, driveways, parking lots, or other paved areas. · Adopt green building standards that exceed minimum State building standards. · Require residential unites to be "solar ready." 	<p>Building Design and Construction:</p> <ul style="list-style-type: none"> · Reduce the "urban heat island" (UHI) by increasing application of "cool roofing" and "cool paving" technologies.

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9	Energy Efficiency	<p>Funding:</p> <ul style="list-style-type: none"> · Monitor grants from cap-and-trade revenue and other funding sources, and inform applicable County agencies; · Create a framework for revenues from cap-and-trade offsets or allocations to fund energy efficiency and resource conservation programs, such as those proposed in this CAP, to be used locally, particularly within recognized impacted communities or areas. 			
10	Energy Efficiency	<p>Workforce Development:</p> <ul style="list-style-type: none"> · Work with the Contra Costa Community College District and the Contra Costa Workforce Development Board to encourage and develop workforce training programs for green jobs, including energy efficiency audits, energy retrofits, and renewable energy installation. 			

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11	Energy Efficiency	<p>Zero Net Energy (ZNE):</p> <ul style="list-style-type: none"> · Identify and remove barriers to ZNE construction in the County’s regulatory framework. · Work with developers, property owners, and financial donors to construct and publicize example ZNE homes prior to the adoption of ZNE building codes by the CA Energy Commission. · Provide information about ZNE buildings at public events, on the County website, and in the development review process. · Include information about ZNE buildings in other energy efficiency education efforts. · Explore making new and significantly retrofitted County buildings zero net energy. 		<p>Zero Net Energy (ZNE):</p> <ul style="list-style-type: none"> · Adopt residential and commercial energy conservation, renewable energy, and/or zero net energy ordinances. 	

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12	Renewable Energy	<p>Zoning and Permitting:</p> <ul style="list-style-type: none"> · Amend the County Zoning Code to designate areas and development standards that are appropriate for and supportive of small- and medium-sized alternative energy and energy storage installations not covered by AB 2188. · Create development standards allowing for the ministerial approval of rooftop energy systems on commercial buildings, with a focus on warehouses and other structures with large surface area roofs. · Train planning staff to provide guidance and information on the streamlined process and available incentives. 		<p>Zoning and Permitting:</p> <ul style="list-style-type: none"> · Streamline permitting and environmental review and reduce fees for small-scale renewable energy systems. · Permit renewable energy generation facilities as of right in zones with compatible uses. · Require new residential and commercial construction to install solar or be solar ready. · Require on-site renewable energy generation by large-scale residential and commercial projects. · Encourage the development of brightfields – brownfields that are used to develop solar energy – through tax incentives, streamlining, and use of locally-owned land. 	

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13	Renewable Energy	<p>Operations:</p> <ul style="list-style-type: none"> · Increase solar electricity use for County and agency operations. · Continue to install alternative energy facilities (e.g., photovoltaic panels and electric vehicle charging stations) on public buildings and lands in the unincorporated County. 	<p>Operations:</p> <ul style="list-style-type: none"> · Install additional solar systems at the West County Detention Facility, the Buchanan Airport Field, the Pleasant Hill Library, and the Elections Office. 	<p>Operations:</p> <ul style="list-style-type: none"> · Encourage the use of renewable energy and storage. · Pursue renewable energy development on municipal buildings or purchase renewable energy to power municipal operations. · Require on-site renewable energy generation 	<p>Operations:</p> <ul style="list-style-type: none"> · Promote and expedite a transition away from fossil fuels used in electricity generation to greater reliance on renewable energy sources
14	Renewable Energy	<p>Procurement:</p> <ul style="list-style-type: none"> · Continue to participate in the Regional Renewable Energy Procurement Project or similar bulk purchasing programs to purchase solar photovoltaic systems for on-site generation at public facilities. · Encourage participation in PG&E's green tariff program. 			<p>Procurement:</p> <ul style="list-style-type: none"> · Adopt a community solar program to help realize economies of scale and help residents w/out appropriate rooftop space to participate in clean energy generation.
15	Renewable Energy	<p>Cogeneration:</p> <ul style="list-style-type: none"> · Work with East Bay Municipal Utility District and other wastewater processors to install cogeneration infrastructure on wastewater treatment facilities. 	<p>Cogeneration:</p> <ul style="list-style-type: none"> · Cogeneration plants for buildings that operate 24 hours per day. 		<p>Cogeneration:</p> <ul style="list-style-type: none"> · Support expansion of dairy digesters.

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16	Renewable Energy	<p>Financing:</p> <ul style="list-style-type: none"> · Improve participation in existing and planned financing mechanisms for renewable energy and energy storage systems, such as PACE and BayREN. · Connect businesses and low-income homeowners with renewable energy rebate and financing programs. 			
17	Renewable Energy	<p>Infrastructure Preparedness:</p> <ul style="list-style-type: none"> · Work with PG&E to identify areas where grid capacity may be insufficient to accommodate an increase in renewable energy capacity, and encourage PG&E to upgrade such areas to reduce barriers. 			
18	Renewable Energy	<p>Community Choice Energy:</p> <ul style="list-style-type: none"> · Continue exploring options for implementing Community Choice Aggregation within the unincorporated area of the County. 			

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19	Land Use and Transportation	<p>Active Transportation:</p> <ul style="list-style-type: none"> · Collaborate with local transportation, land use agencies, nonprofits, and other stakeholders to expand bicycle and pedestrian facilities and existing public transportation. · Through updates to the Contra Costa Transportation Authority's (CCTA) Countywide Bicycle and Pedestrian Plan, identify opportunities to improve access to community-wide bicycle and pedestrian networks. · Cooperate with CCTA and adjoining jurisdictions in updating and implementing the Countywide Bicycle and Pedestrian Plan and local plan, including 2020 mode share goals, and integrating the goals into future General Plan updates. 		<p>Active Transportation:</p> <ul style="list-style-type: none"> · Adopt and implement a bicycle and pedestrian master plan which includes targets for trips taken by bicycle and on foot. · Require the design of bike lanes to connect to the regional bicycle network. · Provide on-site bicycle parking and storage in multi-family residential and non-residential projects. · Provide on- and off-site safety improvements for bike, pedestrian, and transit connections. 	<p>Active Transportation:</p> <ul style="list-style-type: none"> · Improve and expand bicycle and pedestrian facilities.

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20	Land Use and Transportation	<p>Alternatives to Single Occupant Trips:</p> <ul style="list-style-type: none"> · Continue to promote voluntary trip reduction programs such as school buses, Rideshare, Spare-the-Air Days, Bike to Work Day, employer shuttles, and alternative work schedules. · Support and increase the use of carpooling services such as rideshare or casual carpool. 	<p>Alternatives to Single Occupant Trips:</p> <ul style="list-style-type: none"> · Flexible employee work schedules. · Institute compressed work weeks in all County departments. · Expand the telecommuting program by identifying opportunities to increase employee participation to 30%. · Purchase of 86 hybrid vehicles for fleet. · Employee carpool and vanpool programs. · Allow County employees to use pre-tax dollars to pay for mass transit or carpool expenses. 	<p>Alternatives to Single Occupant Trips:</p> <ul style="list-style-type: none"> · Require employer-based trip reduction programs and provide funding to support them if feasible. · Promote ridesharing and last-mile connections. · Develop a rideshare program targeting commuters to major employment centers. 	<p>Alternatives to Single Occupant Trips:</p> <ul style="list-style-type: none"> · Mandatory (e.g., pre-tax) and voluntary trip reduction program. · Increase the number of employees who telework. · Promote ridesharing services.

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21	Land Use and Transportation	<p>Safe Routes:</p> <ul style="list-style-type: none"> · Assist with Safe Routes to School program implementation. · Work with the Contra Costa Transportation Authority, local school districts, and advocacy organizations such as the East Bay Bicycle Coalition to encourage bicycle safety classes in all schools. 		<p>Safe Routes:</p> <ul style="list-style-type: none"> · Promote safe routes to school program that encourages youth to walk or ride bicycles to school. · Promote safe routes to transit programs for pedestrians and bicyclists. 	<p>Safe Routes:</p> <ul style="list-style-type: none"> · Facilitate safe routes to schools and transit.
22	Land Use and Transportation	<p>Complete Streets:</p> <ul style="list-style-type: none"> · Update County road standards, as opportunities arise, to accommodate all modes of transportation in local street designs (i.e., complete streets). Implement standards as part of routine maintenance and striping. 		<p>Complete Streets:</p> <ul style="list-style-type: none"> · Adopt complete streets policies and active design guidelines. · Require the landscaping design for parking lots to utilize tree cover and incorporate water retention. 	<p>Complete Streets:</p> <ul style="list-style-type: none"> Plant trees in urban settings.

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23	Land Use and Transportation	<p>Development Policies:</p> <ul style="list-style-type: none"> · Work to increase densities within half a mile of BART and Amtrak stations, and within a quarter of a mile of stops for express bus routes. · Continue the County's policy of encouraging the establishment of Priority Economic Development Areas in residential communities. · Work to increase densities within half a mile of BART and Amtrak stations, and within a quarter of a mile of stops for express bus routes. · Continue to discourage schools being sited in agricultural areas. 		<p>Development Policies:</p> <ul style="list-style-type: none"> · Streamline permitting and environmental review and reduce fees for construction of secondary units to promote infill in targeted areas. · In appropriate locations, adopt: 1) as-of-right zoning, and 2) design standards and guidelines, to enable mixed use, walkable, compact, infill development that includes a range of housing types and affordability levels. · Provide incentives for certifying development plans and projects using LEED for Neighborhood Development or similar third-party certification system. · Require local specific plans for rideshare-designated parking spaces, new bus stops, employment centers, and commercial areas. · Adopt an urban growth boundary. 	<p>Development Policies:</p> <ul style="list-style-type: none"> · Support land use patterns that reduce vehicle miles traveled (VMT).

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24	Land Use and Transportation			Circulation: <ul style="list-style-type: none"> Promote intelligent traffic management systems to improve traffic flow. 	Circulation: <ul style="list-style-type: none"> Improve the performance and efficiency of freeway and arterial systems
25	Land Use and Transportation	Senate Bill 743: <ul style="list-style-type: none"> Revise the County CEQA guidelines to reflect implementation of Senate Bill 743 		Senate Bill 743: <ul style="list-style-type: none"> Update Lead Agency's transportation impact analysis guidelines and congestion management plans to comply with SB 743. Adopt a jurisdiction-wide transportation demand management plan which sets numeric targets or caps for the proportion of non-single occupancy vehicle (SOV) trips associated with new development, and/or an overall vehicle miles traveled (VMT) target. 	
26	Land Use and Transportation				Rail: <ul style="list-style-type: none"> Improve rail service.

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27	Land Use and Transportation	Funding: <ul style="list-style-type: none"> · Identify funding sources to support increased walking and bicycling activity. · Continue to explore funding transit with development applications and other alternative transportation finance methods. 		Funding: <ul style="list-style-type: none"> · Develop a transportation impact fee program to fund low-carbon transportation. 	

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28	Land Use and Transportation	<p>Vehicle Fleets:</p> <ul style="list-style-type: none"> · As opportunities arise, include alternative-fuel use goals in franchise agreements for waste hauling and contracts with other vehicle fleets. · Partner with waste haulers and other fleets with regular routes to reduce the frequency of routes where possible. 		<p>Vehicle Fleets:</p> <ul style="list-style-type: none"> · Adopt ordinances requiring hauling routes and fuels that minimize vehicle emissions compared to current practices (e.g., through use of renewable fuels, route optimization plan, etc.). · Require local public agencies to contract with fleets that set targets and policies for lowering the average GHG emissions of their fleet vehicles. · Promote use of alternative fuel or high-fuel efficient vehicles by public agencies and private businesses. · Require clean vehicles be purchased as part of municipal vehicle fleet procurement. · Adopt regional joint-purchase agreements to facilitate local fleets to purchase EVs, hybrids, telematics, and other technology that can reduce GHG emissions. 	<p>Vehicle Fleets:</p> <ul style="list-style-type: none"> · Regional programs to reduce emissions associated with goods movement. · Provide and encourage other organizations to provide incentives for purchase of medium and heavy-duty trucks.

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29	Land Use and Transportation	<p>Alternative Fuel Vehicles:</p> <ul style="list-style-type: none"> · Support development of alternative-fuel vehicle infrastructure such as biofuel and electric vehicle (EV) charging stations and designated parking spots with chargers, including amending parking design and layout section of the County Zoning Code to locate alternative fuel vehicle infrastructure in areas of high visibility and easy access. · Pursue grant funding opportunities to install public EV chargers or other alternative fuel charging stations. 	<p>Alternative Fuel Vehicles:</p> <ul style="list-style-type: none"> · Purchase 100 more hybrid vehicles for the fleet. · Purchase 50 more CNG vehicles for the fleet. · Install an above-ground 5,000-gallon E85 ethanol fuel tank for the County's 70 FlexFuel vehicles as well as other users (CHP and CALTRANS). · Change to B20 biodiesel fuel for diesel fleet. 	<p>Alternative Fuel Vehicles:</p> <ul style="list-style-type: none"> · Streamline local permitting and siting for hydrogen fueling and electric vehicle (EV) charging infrastructure. · Adopt and implement EV and hydrogen readiness plans. +D8 · Replace public fleet vehicles and trips with electric or alternative fueled vehicles as much as feasible and provide EV chargers in public spaces. · Replace public fleet vehicles and trips with electric or alternative fueled vehicles as much as feasible and provide EV chargers in public spaces. · Support biogas use in the transportation sector. · Require all buildings to have EV charging. 	<p>Alternative Fuel Vehicles:</p> <ul style="list-style-type: none"> · Expand the use of Zero Emission Vehicles.
30	Land Use and Transportation			<p>Smart Driving:</p> <ul style="list-style-type: none"> · Promote smart driving strategies through public education and outreach. 	<p>Smart Driving:</p> <ul style="list-style-type: none"> · Implement a smart driving pilot program.

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31	Land Use and Transportation		Parking Policies: <ul style="list-style-type: none"> · Institute a user fee for parking spaces owned or leased by the County and allocate the surplus revenue to incentives for use of commute alternatives. 	Parking Policies: <ul style="list-style-type: none"> · Update code of ordinances to reduce parking requirements and eliminate parking minimums; impose parking maximums. · Adopt a Transportation Management Ordinance to require carpool, electric vehicle, and/or vanpool preferential parking spaces close to the major employment areas. · Require preferential parking spaces for park and ride or carpools, vanpools, bus, electric vehicles, and rail use. · Allow for new construction to install fewer on-site parking spaces than required by municipal code. 	Parking Policies: <ul style="list-style-type: none"> · Regional and local policies that charge for parking.
32	Land Use and Transportation				Education and Outreach: <ul style="list-style-type: none"> · Include various public outreach campaigns to educate the public about the health effects of air pollution.

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33	Land Use and Transportation				Indirect Source Review: · Indirect source review (ISR) measure addresses potential increases in air pollutant emissions related to economic and population growth.
34	Land Use and Transportation				Aircraft: Cleaner aircraft engines and renewable jet fuel.
35	Land Use and Transportation	Transit: · Collaborate with BART and other transit providers to increase ridership in the County.		Transit: · Partner with local/regional transit agencies to enhance transit ridership. · Expand transit and rail services and clean-fueled transit vehicles.	Transit: · Improve existing transit service. · Improve transit efficiency through 511 transit, Clipper fare payment system and Transit Hub Signage Program.
36	Land Use and Transportation				Ships and Harbors: · Support control technologies that could be deployed on commercial harbor craft to reduce emissions. Replicate the Green Ship Program.

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37				Carbon Sequestration and Offsets: <ul style="list-style-type: none"> · Require projects to purchase carbon credits. · Encourage applicants to consider generating or purchasing local and California-only carbon credits for mitigation. 	Carbon Sequestration and Offsets: <ul style="list-style-type: none"> · Increase carbon sequestration in rangelands and wetlands by providing technical and research assistance to local governments, regional agencies, and property owners.

COMPARISON OF CONTRA COSTA COUNTY CLIMATE ACTION PLAN AND MUNICIPAL CLIMATE ACTION PLAN, CALIFORNIA DRAFT SCOPING PLAN UPDATE, AND BAAQMD DRAFT CLEAN AIR PLAN

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					Refineries and other Stationary Sources: <ul style="list-style-type: none"> · Reduce particulate matter emissions from fluid catalytic cracking units. · Reduce odors and emissions of total organic gases, sulfur dioxide, particulate matter, nitrogen oxide, carbon dioxide, methane from a range of industrial operations, including refineries, oil and gas facilities, commercial cooking equipment, backup generators, wood smoke, construction sites, asphalt, acid plants. · Reduce frequency and magnitude of flaring events. · Enhance New Source Review permit requirements. · Lower the threshold for Best Available Control Technology. · Reduce emissions of voluntary organic compounds from coatings, solvents, lubricants, and adhesives, digital printing.
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1		Contra Costa County Climate Action Plan (2015)	Contra Costa County Municipal Climate Action Plan (2008)	California Air Resources Board 2017 Draft Climate Change Scoping Plan Update	Bay Area Air Quality Management District Draft 2017 Clean Air Plan
39	Land Use and Transportation	<p>Off-Road Equipment:</p> <ul style="list-style-type: none"> · Work with BAAQMD to: increase the use of alternatively fueled equipment in agricultural operations through education, incentives, or revisions to existing regulations. · Incentivize the use of battery-powered lawn and garden equipment. · Provide support for BAAQMD’s voluntary exchange program for residential lawn mowers. 		<p>Off-Road Equipment:</p> <ul style="list-style-type: none"> · Create incentives for electric landscaping power tools and off-road equipment. · Provide electric outlets to promote use of electric landscape maintenance equipment to extent feasible on parks and public lands. 	<p>Off-Road Equipment:</p> <ul style="list-style-type: none"> · Reduce emissions from off-road equipment used in construction, freight and farming industries by offering financial incentives between 2015 and 2025 to retrofit engines or upgrade to electric or Tier IV; develop more fuel-efficient engines and; work with local communitites, contractors, freight handlers, farmers and developers to encourage use of renewable electricity and fuels. · Voluntary exchange program for commercial all lawn and garden equipment with older engines.

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40	Land Use and Transportation	<p>Agriculture:</p> <ul style="list-style-type: none"> · Continue to support local farmers markets, community gardens, school gardens, and other urban agricultural practices, including in areas with poor food access. · Amend the Zoning Code to allow urban agriculture in appropriate areas. · Amend the General Plan to add a policy that encourages community gardens in new residential developments. · Encourage partnerships between local food growers and local food retailers, local food growers and local institutions such as schools, hospitals, colleges, and correctional facilities. · Encourage retention of agricultural land to maintain the County's agricultural base and enable long-term carbon sequestration. 		<p>Agriculture:</p> <ul style="list-style-type: none"> · Adopt zoning to allow empty lots and other underutilized space to be converted into community gardens. · Provide incentives for carbon sequestration and carbon based conservation farming techniques. · Promote value-added alternatives, such as composting, energy, biochar, and wood products, and prohibit open burning of biomass wastes. · Support development of farmers markets and provide guidance and support, especially in disadvantaged communities. · Develop programs to encourage use of composting to enhance soil for carbon sequestration. · Promote low carbon diets. · Promote grazing management and animal dietary strategies to reduce methane emissions from enteric fermentation. 	<p>Agriculture:</p> <ul style="list-style-type: none"> · Reduce emissions from agricultural practices and preserve and enhance agricultural lands. · Promote opportunities for greenhouse gas capture through carbon sequestration and biogas recovery, and associated economic and environmental benefits. · Reduce emissions from enteric fermentation (livestock digestive processes). · Reduce emissions of particulate matter, ammonia, and organic emissions from livestock facilities.

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41	Land Use and Transportation	<p>Idling:</p> <ul style="list-style-type: none"> Consider an amendment to the County Building Code that would prohibit unnecessary idling of off-road and heavy equipment. 		<p>Idling:</p> <ul style="list-style-type: none"> Restrict idling for all vehicles, especially in sensitive areas such as near schools. 	
42	Solid Waste	<p>Diversion:</p> <ul style="list-style-type: none"> Achieve a local 75% waste diversion rate, in support of the 2020 state target diversion rate of 75% (AB 341): Establish new and enhanced programs to collect organic material from businesses and residents in order to recover their material, energy, and nutrient values. Develop interim waste diversion/reduction goals for County. Develop a recycling and composting program for County facilities. 	<p>Diversion:</p> <ul style="list-style-type: none"> Divert organic waste from parks and landscaping to on-site compost. Paper recycling program. 	<p>Diversion:</p> <ul style="list-style-type: none"> Require implementation of residential and commercial recycling, organics collection, and edible food recovery programs. Require new construction to include bin space for organics recycling. 	

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43	Solid Waste			Green Waste: <ul style="list-style-type: none"> · Implement a green-waste and/or food waste collection program. · Require generators of edible food to have contracts/ agreements with food rescue organizations and prohibit edible food from being disposed or destroyed. · Require food waste reduction at commercial facilities such as restaurants, hotels, hospitals, etc., including food donations. 	Green Waste: <ul style="list-style-type: none"> · Reduce total amount of green waste by diverting it to other uses.
44	Solid Waste	Outreach and Education: <ul style="list-style-type: none"> · Increase public outreach to promote participation in existing waste diversion and prevention programs. · Educate and train County staff to recycle and compost appropriately. 			

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45	Solid Waste	<p>Anaerobic Digestion:</p> <ul style="list-style-type: none"> Work with private owners and operators of solid waste transfer stations and landfills, as well as with publicly owned wastewater treatment plants, to establish anaerobic digesters to treat and recover energy from food waste and other organic waste. 		<p>Anaerobic Digestion:</p> <ul style="list-style-type: none"> Expand anaerobic digestion capacity at existing wastewater treatment plants to allow them to accept food waste. 	<p>Anaerobic Digestion:</p> <ul style="list-style-type: none"> Require best management practices from South Coast and San Joaquin Valley air districts. Reduce flares from landfills and anaerobic digesters.
46	Solid Waste	<p>Compliance:</p> <ul style="list-style-type: none"> Update the County’s Source Reduction and Recycling Element, Household Hazardous Waste Element, and other relevant components of the Countywide Integrated Waste Management Plan to include an updated list of measures, actions, and programs supportive of this CAP. Annually verify compliance with the California Air Resource Board’s landfill methane control measures. 			<p>Compliance:</p> <ul style="list-style-type: none"> Reduce emissions of methane and non-methane organic compounds from landfills by increasing standards for landfill gas collection control equipment.

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47	Solid Waste	<p>Zero Waste:</p> <ul style="list-style-type: none"> · Achieve zero-waste County operations by 2035. 		<p>Zero Waste:</p> <ul style="list-style-type: none"> · Adopt ordinances to meet zero waste goals by 2020. · Adopt an ordinance for zero waste from construction and demolition waste. · Require zero waste public events. 	<p>Zero Waste:</p> <ul style="list-style-type: none"> · Strengthen recycling programs and develop additional waste reduction strategies.
48	Solid Waste	<p>Landfill Requirements:</p> <ul style="list-style-type: none"> · Request that landfill operators consider implementing additional reduction actions, including but not limited to: · Reducing landfilled materials with high methane-generation potential. · Reducing idling time for diesel equipment; Encouraging adequate maintenance of rolling stock. · Establishing standards beyond those required by regulation for landfill gas collection system leak detection and prevention. · Excluding the use of green waste as a material for alternative daily cover, consistent with AB 1594. 		<p>Landfill Requirements:</p> <ul style="list-style-type: none"> · Prohibit disposal of organic materials at landfills and/or prohibit the jurisdictions' hauler(s) and self-haulers from taking organic material to landfills. · Create an effective solid waste management plan to reduce source generation and to divert waste from landfills to achieve emission reductions. 	

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49	Solid Waste	<p>Planning and Zoning:</p> <ul style="list-style-type: none"> Amend the General Plan and Zoning Code to allow renewable energy generation, such as solar and wind, on closed landfill areas. Market renewable energy on closed landfill areas to potential stakeholders (energy providers and landfill owners). 		<p>Planning and Zoning:</p> <ul style="list-style-type: none"> Require that collected organic materials be used in edible food recovery programs or as feedstock for composting and anaerobic digestion Include assessment of 15 years organics recycling capacity needs in the General Plan Provide appropriate zoning in compatible areas for large and community-scale composting and digestion operations 	
50	Solid Waste			<p>Construction Practices:</p> <ul style="list-style-type: none"> Adopt a construction and demolition waste recycling ordinance. 	
51	Solid Waste			<p>Carbon Sequestration:</p> <ul style="list-style-type: none"> Ensure compost materials meet standards to be used in rural lands application for carbon sequestration. 	

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52	Solid Waste			Landscapers: <ul style="list-style-type: none"> · Require large commercial landscapers to use compost-based nutrients and soil amendments on landscaping and plants instead of artificial fertilizers and soil amendments. 	
53	Water	Conservation: <ul style="list-style-type: none"> · Continue to reduce potable water use by at least 20% by 2020 through conservation efforts in new and existing development. 		Conservation: <ul style="list-style-type: none"> · Develop a plan requiring water recycling, and greywater and rain water reuse and provide funding for incentives and other program delivery mechanisms if feasible. · Develop a residential water efficiency auditing program. · Create an incentive program to promote efficient water use projects. · Require residential and commercial buildings to use low flow water fixtures. 	Conservation: <ul style="list-style-type: none"> · Promote water conservation.

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54	Water	<p>Landscaping:</p> <ul style="list-style-type: none"> · Continue to enforce water conservation requirements in new developments per the State Model Water Efficient Landscape Ordinance. · Where possible, remove turf from County-owned facilities. · Continue to install water-efficient landscaping on County properties. 		<p>Landscaping:</p> <ul style="list-style-type: none"> · Adopt water-efficient landscaping ordinances, including the use of compost and mulch, to reduce water use and encourage use of greywater for landscaping, when available. · Eliminate Homeowner Association requirements for lawns and landscaping. 	
55	Water	<p>Rainwater Collection:</p> <ul style="list-style-type: none"> · Promote rainwater collection for irrigation purposes. 			
56	Water			<p>Publicly Owned Treatment Works:</p> <ul style="list-style-type: none"> · Develop a plan to quantify and reduce GHG emissions at publicly operated treatment works (POTWs). 	<p>Publicly Owned Treatment Works:</p> <ul style="list-style-type: none"> · Explore regulatory action to reduce GHG emissions from publicly owned treatment works (POTWs).
57	Water	<p>Recycled Water:</p> <ul style="list-style-type: none"> · Update the Dual Water Systems Ordinance to allow the use of recycled water for irrigation in residential and nonresidential areas. 			

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58	Water			Long-term Planning: · Work with local water agencies to evaluate the impact of proposed new developments and land use plans on groundwater and long-term water supply.	