

#	Measure Title	Measure	Option 1 - 10% Target	Option 2 - 15% Target	Option 3 - 15% Target	Option 4 - 15% Target	Option 5 - 20%+ Target
CCA	Community Choice Aggregation	Increase the amount of renewable energy used to a minimum of 50% by 2020 through community choice aggregation program or other renewable energy procurement programs.	N/A ¹	● ²	●	N/A	●
SCS	Sustainable Communities Strategy	Support SBCAG's Implementation of the 2040 Regional Transportation Plan and Sustainable Communities Strategy to reduce per capita GHG emissions from transportation.	N/A	●	N/A	●	●
LUD 1	Infill development.	Promote infill development.	<p>1) Support strategies for sustainable new development by adopting principles and policies which encourage and expedite the permitting of mixed-use, infill, and transit-oriented development, with jobs and housing co-located together where feasible or in close proximity (walking/biking distance) to transit facilities.</p> <p>2) Review the Comprehensive Plan to determine the extent to which it promotes GHG emissions reductions. Recommend amendments to improve policies and implementation measures to promote GHG emissions reductions.</p> <p>3) Integrate complete streets policies and projects into updates of the Land Use Element and Circulation Element and into new and existing Community Plans.</p> <p>4) Promote the use of ground-floor or street-oriented space in commercial and mixed-use centers for retail, food service, financial institutions, and other high-volume commercial uses.</p> <p>5) Encourage new residential development to be within walking distance (1/2 mile or less) of public activity centers such as schools, libraries, parks, and community centers.</p> <p>6) Retrofit existing, older neighborhoods to improve connectivity, redesign circulation, and create walkable streets.</p> <p>7) Establish a program where energy efficient mixed-use, infill, and transit-oriented development projects can trade GHG credits.</p>	●	●	●	●

¹ N/A – Where an N/A is placed indicates that the measure is not applied in that particular option.

² ● – This symbol indicates that the reduction value is the same as that presented for the Measure column for CCA & SCS and same as Option 1 for all other measures.

#	Measure Title	Measure	Option 1 - 10% Target	Option 2 - 15% Target	Option 3 - 15% Target	Option 4 - 15% Target	Option 5 - 20%+ Target
LUD 2	Transit-Oriented Development	Coordinate office, commercial, industrial, and high-density residential developments with mass transit service and existing or proposed bikeways.	<p>1) Encourage employers to provide funding for reliable mass transit.</p> <p>2) Coordinate new, proposed, and existing commuter rail, mass transit service and bikeways so that alternative transportation modes complement one another.</p> <p>3) Expand existing bike network around existing development as proposed in the Bicycle Master Plan.</p>	●	●	●	●
LUD 3	Affordable Housing	Work to increase workforce and affordable housing in Santa Barbara County.	1) Continue to provide programs, incentives, and regulations for affordable housing through the County's affordable housing requirements and inclusionary housing program.	●	●	●	●
T 1	Car Sharing and Ride Sharing	Create new, additional, or improve existing, car-sharing and ride-sharing programs.	<p>1) Work with Traffic Solutions to expand North County Santa Barbara car pool/van pool programs and increase bus line options.</p> <p>2) Explore expanding car-share options in Santa Barbara County with Traffic Solutions and the Community Environmental Council.</p> <p>3) Work to effectively implement the CalVans program in Santa Barbara County.</p> <p>4) Support SBCAG's Park and Ride Program.</p>	●	●	●	●
T 2	Commuter Incentives	Work cooperatively with major local employers to offer incentives and services which decrease single occupancy automobile commuting.	<p>1) Encourage and support employers, especially small and middle-sized employers to voluntarily prepare and implement a Transportation Demand Management program for their employees.</p> <p>2) Provide TDM program education and community briefings annually and/or semi-annually.</p>	●	●	●	●
T 3	Alternative-Fuel Vehicles and Incentives	Increase the use of alternative-fuel vehicles, and plan for the development of alternative fuel infrastructure.	<p>1) Require pre-wiring for electric vehicle charging stations in new developments.</p> <p>2) Support the efforts of Plug-in Santa Barbara to plan for and deploy electric vehicle infrastructure in Santa Barbara County.</p> <p>3) Revise parking requirements for public and new commercial developments to include designated stalls for low-emitting, fuel-efficient vehicles and carpool/vanpool vehicles for a minimum of 8% of total parking capacity and to pre-wire stalls for future electric vehicle charging stations for 2% of total parking capacity.</p> <p>4) Ensure that alternative-fuel stations and support facilities are allowed uses in land use designations which currently allow gas and service stations.</p> <p>5) Identify alternative-fuel projects to seek funding through Measure A.</p>	●	●	●	●

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T 4	Alternative Transportation	Enhance alternative transportation.	<p>1) Promote the efforts of the Santa Barbara Car Free program.</p> <p>2) Require reduced-fare or free transit passes to residents or employees as mitigation of significant traffic impacts for projects.</p> <p>3) Require projects to include mass transit improvements, such as bus stops, pull-outs, and shelters, or funding to assist in the installation of mass transit improvements as mitigation for significant</p> <p>4) Continue to identify alternative transportation projects for funding under Measure A.</p> <p>5) Expand transit opportunities in northern Santa Barbara County and in agricultural communities.</p> <p>6) Encourage bus service providers in the County to expand express services and to purchase alternatively fueled and accordion buses.</p> <p>7) Work with the Chamber of Commerce to encourage alternative transportation opportunities within the tourism industry.</p> <p>8) Work with Traffic Solutions to establish a bike-sharing program.</p>	●	●	●	●
T 5	Integrated Bikeway System	Complete an integrated bikeway system, linking residences with commercial centers, work locations, schools, parks, and mass transit facilities to be a high priority for promoting the use of the bicycle as a primary mode of transportation.	<p>1) Fully implement the Santa Barbara County Bike Plan.</p> <p>2) Support educational programs for safe and lawful biking.</p> <p>3) Install signage to promote safe biking and discourage actions such as biking on sidewalks.</p> <p>4) Expand the existing bicycle network, especially in North County.</p> <p>4) Add more Class I and II bike lanes.</p>	●	●	●	●

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T 6	Pedestrian Improvements	Improve pedestrian convenience, comfort, and safety.	<p>1) Update the countywide design guidelines to create maximum connectivity between neighborhoods, streets, and projects for pedestrian and bicycle travel.</p> <p>2) Work with COAST to support the expansion of Safe Routes to School programs to all elementary and middle schools within the county, and assess potential roadway improvements for increased safety within school zones.</p> <p>3) Amend applicable ordinances to direct new development to construct paths that connect land uses and other non-motorized routes and safe road crossings at major intersections.</p> <p>4) Facilitate pedestrian needs, and provide and ensure well-lit, safe, well-connected, accessible walkways and sidewalks to commercial nodes, schools, and recreation to increase the walkability of communities in the county.</p> <p>5) Continue to complete gaps in the existing sidewalk system and improve pedestrian crossings.</p> <p>6) Support enforcement of vehicles yielding for pedestrians in crosswalks.</p>	●	●	●	●
T 7	Vehicle Idling	Reduce vehicle idling through enforcement and education targeted toward commercial vehicle operators, school parents, and government employees.	1) Support enforcement and education to reduce vehicle idling.	●	●	●	●
T 8	Traffic Signal Synchronization	Implement traffic signal synchronization technologies or traffic calming measures to reduce idling emissions.	1) Work to install video signal detection for cyclists and off-peak traffic light prompts for cyclist, pedestrians, and cars on minor connectors.	●	●	●	●
T 9	Commuter Rail Connections	Develop commuter rail connections between employment centers.	<p>1) Continue to work with Union Pacific to reach agreement on track sharing.</p> <p>2) Work with Traffic Solutions to provide jitney services from station to final destination.</p> <p>3) Provide amenities at rail connection stations.</p>	●	●	●	●

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BE 1	Energy Efficiency Education and Outreach	Increase public energy conservation and awareness. Provide information and education to the general public, businesses, and organizations on the importance of energy conservation and available programs, products, and incentives regarding energy efficiency and alternatives. Promote existing low-income energy conservation and weatherization programs, and coordinate with local utility providers and nonprofit corporations to develop additional energy efficiency programs.	<p>1) Work with public utilities, private businesses, organizations, and governmental agencies to develop guidelines on energy-efficient designs. These guidelines should be disseminated as early in the planning process as possible (e.g., include the guidelines with all initial permit applications, disseminate at the permit zoning counter and at pre-application meetings).</p> <p>2) Work with public utilities, educational facilities, County departments, City departments, and others that have existing outreach programs to disseminate materials about energy conservation and programs available to the general public.</p> <p>3) Work with public utilities, private businesses, organizations, and governmental agencies to develop outreach programs designed to inform the general public about the cost and benefits of energy efficiency, including technical options, funding, and incentive programs.</p> <p>4) Establish public outreach (elementary school component, public workshops, etc.) and employee education mechanisms to teach about energy efficiency and other climate-related initiatives.</p> <p>5) Continue to encourage and promote utility provider energy conservation programs for residential, commercial, industrial, agricultural, and governmental buildings.</p> <p>6) Encourage the development of green building and weatherization training programs.</p> <p>7) Encourage builders to make all new construction solar-ready and to inform their clients about the option to install both solar water heating and photovoltaics</p> <p>.8) Support programs like the Community Action Commission of Santa Barbara County, which provide free energy services to low-income households, including weatherization, furnace repair, and water heater replacement.</p>	●	●	●	●

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BE 2	Energy-Efficient Renovations	Incentivize homeowners and commercial and industrial building owners to improve the energy efficiency of existing buildings upon renovation or alteration. Support and provide resources for tax credits, grants, loans, and other incentives to assist the public, businesses, and local agencies with the purchase of energy-efficient equipment.	<p>1) Incentivize energy audits by offering expedited building permit plan check for implementing audit recommendations, and consider providing a rebate for completing the audit or a waiver of building permit fees if upgrades were completed.</p> <p>2) Provide energy audit information on different residential building types in each community. These pilot audits would provide general information about efficient retrofits in different building types without requiring each building to complete an audit.</p> <p>3) Investigate incentivizing energy-efficient retrofits through direct financial incentives such as property tax rebates or subsidies.</p> <p>4) Encourage participation in the County's emPowerSBC Program and Energy Upgrade California.</p> <p>5) Maintain a website with resources for tax credits, grants, loans, and other incentives for the purchase of energy-efficient equipment.</p>	●	<p>1) Incentivize energy audits by offering expedited building permit plan check for implementing audit recommendations, and consider providing a rebate for completing the audit or a waiver of building permit fees if upgrades were completed through 2015. After 2015, an energy audit or assessment would be required at the time a building permit is requested.</p> <p>2) Provide energy audit information on different residential building types in each community. These pilot audits would provide general information about efficient retrofits in different building types without requiring each building to complete an audit.</p> <p>3) Investigate incentivizing energy-efficient retrofits through direct financial incentives such as property tax rebates or subsidies.</p> <p>4) Encourage participation in the County's emPowerSBC Program and Energy Upgrade California.</p> <p>5) Maintain a website with resources for tax credits, grants, loans, and other incentives for the purchase of energy-efficient equipment.</p> <p>6) Pursue the participation in an established program or development of a County program, such as commercial PACE, to incentivize energy efficiency upgrades in commercial and multifamily buildings.</p>	<p>1) Require all alterations or additions comply with current minimum CalGreen standards as they apply to new construction.</p> <p>2) Require energy audits for all building permits valued greater than \$10,000, and offer expedited building permit plan check for implementing audit recommendations, and consider providing a rebate for completing the audit or a waiver of building permit fees if upgrades were completed.</p> <p>3) Provide energy audit information on different residential building types in each community. These pilot audits would provide general information about efficient retrofits in different building types without requiring each building to complete an audit.</p> <p>4) Investigate incentivizing energy-efficient retrofits through direct financial incentives such as property tax rebates or subsidies.</p> <p>5) Encourage participation in the County's emPowerSBC Program and Energy Upgrade California.</p> <p>6) Maintain a website with resources for tax credits, grants, loans, and other incentives for the purchase of energy-efficient equipment.</p> <p>7) Pursue the participation in an established program or development of a County program, such as commercial PACE, to incentivize energy efficiency upgrades in commercial and multifamily buildings.</p> <p>8) Implement an energy conservation ordinance requiring all residential and non-residential properties to complete an energy audit and retrofit to reduce energy use by 30% or verify their participation and savings in other energy conservation programs by 2020.</p>	

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BE 3	Green Business Participation	Increase Encourage participation in the Santa Barbara County Green Business Program.	<p>1) Highlight the efforts of businesses participating in the Santa Barbara County Green Business Program.</p> <p>2) Provide information about the Santa Barbara County Green Business Program when new business licenses are received by the County Treasurer/Tax Collector.</p> <p>3) Support the Green Business Program through additional funding and dedicated staff time.</p>	●	●	●	●
BE 4	Energy Scoring and Audits	Improve the energy efficiency of buildings Provide information from programs like the Department of Energy's Home Energy Scores to be provided at the time of sale for all residential buildings, and encourage all disclose energy use history when nonresidential buildings are being leased or sold.	<p>1) Encourage all residential properties that are greater than 10 years old to provide an energy audit or EPA Home Energy Score to interested buyers at the time of sale.2) Encourage all nonresidential properties, even those not covered by AB 1103, to provide buyers or tenants with the previous year's energy use by documenting use through the EPA's EnergyStar Portfolio Manager.3) Encourage the implementation of recommended energy efficiency measures provided by the energy audit, home energy score, or similar program.4) Provide resources for individuals to self auditing their homes or businesses energy efficiency.</p>	●	<p>1) Require residential property owners to complete or comply with a specified set of energy efficiency upgrades to their home at the time of building sale or within one year from the close of escrow including:</p> <ul style="list-style-type: none"> •Toilets -- 1.6 gal/flush, or flow reduction devices •Showerheads -- 2.0 gal./minute flow rate. •Faucet aerators -- 2.75 gal./minute flow rate for kitchens and bathrooms. •Water heater blankets -- Insulation wrap of R-12 value •Hot & Cold Water Piping -- Insulate the first two feet from the heater to R-3 value •Hot Water Piping in Pumped, Re-circulating Heating Systems -- Insulate all pipes to R-3 value •Exterior Door Weatherstripping -- Permanently affix weather stripping, and door sweeps or door shoes; •Furnace duct work -- Seal duct joints add insulation wrap to R-3 value •Fireplace chimneys -- Must have dampers, doors or closures •Ceiling insulation -- Insulate to R-30 value or greater •Common Area Lighting (multi-unit buildings) -- Replace incandescent bulbs with compact fluorescent lamps (CFL) of at least 25 lumens. <p>2) Encourage all nonresidential properties, even those not covered by AB 1103, to provide buyers or tenants with the previous year's energy use by documenting use through the EPA's EnergyStar Portfolio Manager with a 50% participation rate goal by 2015. If a 50% participation rate is not achieved by 2020, the County will consider requiring participation of building owners by 2020.</p> <p>3) Provide resources for individuals to self auditing their homes or businesses energy efficiency.</p>	<p>1) Require residential property owners to complete or comply with a specified set of energy efficiency upgrades to their home at the time of building sale or within one year from the close of escrow including:</p> <ul style="list-style-type: none"> •Toilets -- 1.6 gal/flush, or flow reduction devices •Showerheads -- 2.0 gal./minute flow rate. •Faucet aerators -- 2.75 gal./minute flow rate for kitchens and bathrooms. •Water heater blankets -- Insulation wrap of R-12 value •Hot & Cold Water Piping -- Insulate the first two feet from the heater to R-3 value •Hot Water Piping in Pumped, Re-circulating Heating Systems -- Insulate all pipes to R-3 value •Exterior Door Weatherstripping -- Permanently affix weather stripping, and door sweeps or door shoes; •Furnace duct work -- Seal duct joints add insulation wrap to R-3 value •Fireplace chimneys -- Must have dampers, doors or closures •Ceiling insulation -- Insulate to R-30 value or greater •Common Area Lighting (multi-unit buildings) - Replace incandescent bulbs with compact fluorescent lamps (CFL) of at least 25 lumens. <p>2) Encourage all nonresidential properties, even those not covered by AB 1103, to provide buyers or tenants with the previous year's energy use by documenting use through the EPA's EnergyStar Portfolio Manager with a 50% participation rate goal by 2015. If a 50% participation rate is not achieved by 2020, the County will consider requiring participation of building owners by 2020.</p> <p>3) Provide resources for individuals to self auditing their homes or businesses energy efficiency.</p>	<p>1) Require all residential properties that are greater than 10 years old to provide an energy audit or EPA Home Energy Score to interested buyers at the time of sale.</p> <p>2) Require all nonresidential properties, even those not covered by AB 1103, to provide buyers or tenants with the previous year's energy use by documenting use through the EPA's EnergyStar Portfolio Manager.</p> <p>3) Require property owners to implement recommended energy efficiency measures provided by the energy audit, home energy score, or similar program.</p>

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BE 5	Community Forestry	Maintain and expand the native tree population to enhance the cooling benefits.	<p>1) Consider developing a shade tree program that provides free native trees to residents and businesses for planting adjacent to buildings to reduce building heat gain.</p> <p>2) Require landscape plans to include shade trees in parking lots and street trees, where appropriate.</p> <p>3) Assess existing trees on a proposed project site to determine compatibility with landscaping, shading, and solar access goals, and protect existing trees to the maximum extent feasible.</p> <p>4) Develop a comprehensive community tree program for planting and maintaining native trees on County-maintained roads, medians, and public parking lots.</p> <p>5) Continue tree replacement and mitigation requirements when removing trees with new development.</p> <p>6) Continue to require the protection of native trees on land with proposed development.</p> <p>7) Form partnerships with local advocacy and community groups to fund the planting and maintenance of native street trees.</p>	●	●	●	●
BE 6	Smart Grid Technology	Support the local utility providers' implementation of smart grid technology in new and existing residential and nonresidential properties.	<p>1) Encourage the installation of real-time energy monitoring (such as smart meters) for natural gas, electricity, and water meters on all residential and nonresidential buildings.</p> <p>2) Work with the utility companies to develop a web-based application to provide customers with real-time feedback on their energy consumption and related costs.</p> <p>3) Encourage building users to install smart grid integrated appliances that can be automated to run when electricity costs are lowest and controlled remotely through a web or phone application.</p> <p>4) Encourage the installation of energy monitors and smart grid appliances in new residential and nonresidential buildings as such appliances become commercially available and economically feasible.</p>	●	●	●	●
BE 7	Lawn and Garden Equipment	Increase the use of electric or alternative-fuel lawn and garden equipment through the development of an exchange or rebate program.	<p>1) Work with the local APCD to include lawn and garden equipment in the Cash for Cleaner Engines program.</p> <p>2) Discourage the use of lawn and garden equipment with 2-stroke engines.</p>	●	●	●	●

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BE 8	Energy Efficiency and Green Building Standards	Establish mechanisms and incentives to encourage builders, architects, developers, consultants, and property owners to Implement energy efficiency and green building practices in new and existing developments to exceed the California Green and Building Code (Title 24) standards. Consider adoption and implementation of a green building program, with a voluntary component, for all new and existing development with a voluntary reach code.	<p>1) Continue to use the Innovative Buildings Review Committee, designated by the County Building Official, to incentivize green building practices. The committee shall function on a voluntary basis and comprise professionals with specific expertise in energy-efficient building, including the gas and electric utilities, architects, and energy specialists. Its membership shall be approved by the County Building Official.</p> <p>2) Develop and apply permit streamlining for solar energy systems.</p> <p>3) Develop a voluntary green building program that encourages applicants to develop projects to achieve CALGreen's Tier 1 and Tier 2 and utilizes the existing Innovative Buildings Review Committee.</p> <p>4) Encourage the installation of energy-efficient materials and equipment which substantially exceed the requirements of Title 24 for all new and existing development.</p> <p>5) Provide incentives like expedited building permit plan check and energy plan check fee reductions to development projects that achieve CALGreen's Tier 1 and Tier 2 or beyond. Investigate providing additional incentives for implementing environmental efficiency and green building practices.</p> <p>6) Provide homeowners and commercial building owners with information on cost/benefit analysis for energy-efficient measures and available audit and rebate programs. The information would be disseminated early in the planning process.</p> <p>7) Encourage energy-efficient upgrades on all development projects.</p> <p>8) Encourage the use of post-consumer recycled content and/or certified sustainable production in building materials.</p> <p>9) Encourage building design, materials production, and construction practices that minimize waste.</p> <p>10) Provide resources and incentives to residents and businesses on carbon-reduction actions in existing buildings, including energy efficiency, renewable energy, choice of materials, and building reuse.</p>		<p>1) Continue to use the Innovative Buildings Review Committee, designated by the County Building Official, to incentivize green building practices. The committee shall function on a voluntary basis and comprise professionals with specific expertise in energy-efficient building, including the gas and electric utilities, architects, and energy specialists. Its membership shall be approved by the County Building Official.</p> <p>2) Develop and apply permit streamlining for solar energy systems.</p> <p>3) Develop a voluntary green building program that encourages applicants to develop projects to achieve CALGreen's Tier 1 and Tier 2 and utilizes the existing Innovative Buildings Review Committee through 2015, at which time participation in the program should be evaluated. If voluntary participation falls below 25%, consider a mandatory program for new development projects.</p> <p>4) Encourage the installation of energy-efficient materials and equipment which substantially exceed the requirements of Title 24 for all new and existing development.</p> <p>5) Provide incentives like expedited building permit plan check and energy plan check fee reductions to development projects that achieve CALGreen's Tier 1 and Tier 2 or beyond through 2015. Evaluate participation in incentive programs through 2015, and consider revising incentives to increase participation to exceed 25% of all new projects after 2015. Investigate providing additional incentives for implementing environmental efficiency and green building practices.</p> <p>6) Provide homeowners and commercial building owners with information on cost/benefit analysis for energy-efficient measures and available audit and rebate programs. The information would be disseminated early in the planning process.</p> <p>7) Encourage energy-efficient upgrades on all development projects.</p> <p>8) Encourage the use of post-consumer recycled content and/or certified sustainable production in building materials.</p> <p>9) Encourage building design, materials production, and construction practices that minimize waste.</p> <p>10) Provide resources and incentives to residents and businesses on carbon-reduction actions in existing buildings, including energy efficiency, renewable energy, choice of materials, and building reuse.</p>	<p>1) Continue to use the Innovative Buildings Review Committee, designated by the County Building Official, to incentivize green building practices. The committee shall function on a voluntary basis and comprise professionals with specific expertise in energy-efficient building, including the gas and electric utilities, architects, and energy specialists. Its membership shall be approved by the County Building Official.</p> <p>2) Develop and apply permit streamlining for solar energy systems.</p> <p>3) Develop a green building program that requires applicants to develop projects to achieve CALGreen's Tier 1 standard and encourages achievement of Tier 2 standards and utilizes the existing Innovative Buildings Review Committee.</p> <p>4) Encourage the installation of energy-efficient materials and equipment which substantially exceed the requirements of Title 24 for all new and existing development.</p> <p>5) Provide incentives like expedited building permit plan check and energy plan check fee reductions to development projects that achieve CALGreen's Tier 2 standard or beyond. Investigate providing additional incentives for implementing environmental efficiency and green building practices.</p> <p>6) Provide homeowners and commercial building owners with information on cost/benefit analysis for energy-efficient measures and available audit and rebate programs. The information would be disseminated early in the planning process.</p> <p>7) Encourage energy-efficient upgrades on all development projects.</p> <p>8) Encourage the use of post-consumer recycled content and/or certified sustainable production in building materials.</p> <p>9) Encourage building design, materials production, and construction practices that minimize waste.</p> <p>10) Provide resources and incentives to residents and businesses on carbon-reduction actions in existing buildings, including energy efficiency, renewable energy, choice of materials, and building reuse.</p>	<p>1) Continue to use the Innovative Buildings Review Committee, designated by the County Building Official, to incentivize green building practices. The committee shall function on a voluntary basis and comprise professionals with specific expertise in energy-efficient building, including the gas and electric utilities, architects, and energy specialists. Its membership shall be approved by the County Building Official.</p> <p>2) Develop and apply permit streamlining for solar energy systems.</p> <p>3) Develop a green building program that requires applicants to develop projects to achieve CALGreen's Tier 1 standard and encourages achievement of Tier 2 standards and utilizes the existing Innovative Buildings Review Committee.</p> <p>4) Encourage the installation of energy-efficient materials and equipment which substantially exceed the requirements of Title 24 for all new and existing development.</p> <p>5) Provide incentives like expedited building permit plan check and energy plan check fee reductions to development projects that achieve CALGreen's Tier 2 standard or beyond. Investigate providing additional incentives for implementing environmental efficiency and green building practices.</p> <p>6) Provide homeowners and commercial building owners with information on cost/benefit analysis for energy-efficient measures and available audit and rebate programs. The information would be disseminated early in the planning process.</p> <p>7) Encourage energy-efficient upgrades on all development projects.</p> <p>8) Encourage the use of post-consumer recycled content and/or certified sustainable production in building materials.</p> <p>9) Encourage building design, materials production, and construction practices that minimize waste.</p> <p>10) Provide resources and incentives to residents and businesses on carbon-reduction actions in existing buildings, including energy efficiency, renewable energy, choice of materials, and building reuse.</p>

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BE 9	Efficient Building Design	Assist architects, builders, and others in using state-of-the art energy technology, design, and spatial orientation for more efficient buildings. Encourage Increase the use of passive, solar design and day lighting in existing and new structures.	<p>1) Encourage the use of energy-efficient equipment, including but not limited to EnergyStar appliances, high-energy efficiency equipment, heat recovery equipment, and building energy management systems in all new and existing development.</p> <p>2) Encourage new development projects to utilize cool pavement materials, provide shade from structures covered by solar panels, or use an open-grid pavement system to reduce the heat island effect.</p> <p>3) Encourage the use of alternative, energy-efficient construction types (straw bale, insulated block, rammed earth, pumice-crete, etc.), especially using locally available materials.</p> <p>4) Encourage projects to install solar energy systems for heating swimming pools.</p> <p>5) Encourage the installation of green roofs or cool roofs or minimizing the use of dark materials on roofs to achieve a minimum solar reflectivity.</p> <p>6) Encourage the replacement of inefficient appliances, such as natural gas and propane space and water heating, with more efficient and/or alternative-fuel appliances.</p> <p>7) Promote the following design techniques to maximize solar resources: – Passive solar design, thermal mass, and insulation to reduce space heating and cooling needs. – Shading on east, west, and south windows with overhangs, awnings, or deciduous trees. – Sustainable site design and landscaping to create comfortable microclimates. – Use of lighting shelves, exterior fins, skylights, atriums, courtyards, or other features to enhance natural light penetration.</p> <p>8) Develop an informational sheet that describes passive solar designs (orientation of buildings, vegetative shading, light-colored roofs, daylighting, etc.) and other energy-efficiency features. This sheet would be disseminated early in the planning process and should refer applicants to the Innovative Buildings Review Program for further information and guidance.</p>	●	●	●	●
BE 10	Construction Equipment Operations	Require the use of Implement best management practices for construction equipment operation. Examples of BMPs include reduced equipment idling, use of alternative fuels or electrification of equipment, or proper maintenance and labeling of equipment.	<p>1) Develop resources for best practices for construction equipment operation.</p>	●	●	●	●

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BE 11	Energy Code Training	Maintain and strengthen the existing training of Planning and Development, Building & Safety Division personnel to remain proficient and consistent in reviewing plans for compliance with the energy code.	1) Continue to educate staff and the public about green building through partnerships with local nonprofit organizations and professional planning and building organizations.	●	●	●	●
RE 1	Alternative Energy Development	Increase the use of alternative energy technology in appropriate new and existing development.	<p>1) Support the establishment of federal and state funds to provide low-interest loans for alternative energy technology.</p> <p>2) Expand emPowerSBC to allow for funding of multi-family housing and alternative energy packages.</p> <p>3) Where appropriate and feasible, remove impediments (e.g., prolonged review due to a proposal including a new or different technology) to the utilization of alternative energy technologies that are cost-effective and contribute to improved environmental conditions.</p> <p>4) Reconsider Commercial PACE programs to finance energy efficiency and renewable energy improvements.</p> <p>5) Encourage the use of anaerobic digesters in agriculture.</p> <p>6) Identify policies and practices to attract businesses that develop or market alternative energy technologies.</p>	●	●	<p>1) Support the establishment of federal and state funds to provide low-interest loans for alternative energy technology.</p> <p>2) Expand emPowerSBC to allow for funding of multi-family housing and alternative energy packages.</p> <p>3) Where appropriate and feasible, remove impediments (e.g., prolonged review due to a proposal including a new or different technology) to the utilization of alternative energy technologies that are cost-effective and contribute to improved environmental conditions.</p> <p>4) Reconsider Commercial PACE programs to finance energy efficiency and renewable energy improvements.</p> <p>5) Encourage the use of anaerobic digesters in agriculture.</p> <p>6) Identify policies and practices to attract businesses that develop or market alternative energy technologies.</p> <p>7) Require new buildings to install renewable energy systems or be built "renewable energy ready" as follows: - Single family residential projects, multi family projects under 4 units, and commercial projects less than 10,000 square feet must be built in a manner that future photovoltaic installation could be installed. - Multifamily residential projects greater than 4 units, and commercial projects larger than 10,000 square feet must provide at least 1 kW of renewable energy per 1,000 square feet.</p>	<p>1) Support the establishment of federal and state funds to provide low-interest loans for alternative energy technology.</p> <p>2) Expand emPowerSBC to allow for funding of multi-family housing and alternative energy packages.</p> <p>3) Where appropriate and feasible, remove impediments (e.g., prolonged review due to a proposal including a new or different technology) to the utilization of alternative energy technologies that are cost-effective and contribute to improved environmental conditions.</p> <p>4) Reconsider Commercial PACE programs to finance energy efficiency and renewable energy improvements.</p> <p>5) Encourage the use of anaerobic digesters in agriculture.</p> <p>6) Identify policies and practices to attract businesses that develop or market alternative energy technologies.</p> <p>7) Require new buildings to install renewable energy systems or be built "renewable energy ready" as follows: - Single family residential projects, multi family projects under 4 units, and commercial projects less than 10,000 square feet must be built in a manner that future photovoltaic installation could be installed. - Multifamily residential projects greater than 4 units, and commercial projects larger than 10,000 square feet must provide at least 1 kW of renewable energy per 1,000 square feet.</p>
RE 2	Solar Water Heaters	Encourage Increase the replacement of existing water heaters with solar water heaters.	1) Promote the State's CSI-Thermal program which provides rebates to utility customers who install solar thermal systems to replace water-heating systems powered by electricity or natural gas.	●	●	1) Require new residential development and encourage existing development to participate in Promote the State's CSI-Thermal program which provides rebates to utility customers who install solar thermal systems to replace water-heating systems powered by electricity or natural gas.	1) Require new residential development and encourage existing development to participate in Promote the State's CSI-Thermal program which provides rebates to utility customers who install solar thermal systems to replace water-heating systems powered by electricity or natural gas.

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RE 3	Alternative Energy Incentives	Adopt a policy or program that offers incentives (such as streamlined permitting, permit waivers, or fee waivers) to encourage a switch in electricity generation from fossil fuels to renewable sources through small-scale renewable electricity generation.	<ul style="list-style-type: none"> 1) Expedite review of solar projects by Building & Safety, County Fire, and Montecito Fire. 2) Develop an ordinance for the development of small commercial solar projects. 3) Update the small wind ordinance 4) Encourage the use of group purchasing programs of solar equipment to encourage renewable energy installations.. 5) Implement a group purchasing program in partnership with local solar installers, green builders, or a non-profit to implement solar electricity on single family residential, multi-family residential, and commercial properties. 	●	●	●	●
RE 4	Utility-Scale Renewable Energy Projects	Promote the use of clean alternative energy production by encouraging development of utility-scale renewable electrical generation facilities.	<ul style="list-style-type: none"> 1) Support use of renewable energy sources such as sun, wind, and wave, methane recovery at landfills, and waste-to-energy production. 2) Develop an ordinance to allow for installation of photovoltaic solar systems on agricultural land. 	●	●	●	●
IEE 1	Efficient Equipment Incentives	Support legislation for tax credits, grants, loans, and other incentives to assist the public, businesses, and local agencies with the purchase of energy-efficient equipment.	<ul style="list-style-type: none"> 1) Support the development of state and federal resources such as tax credits, loans, and other incentives for the purchase of energy-efficient equipment. 2) Provide outreach and education to large industrial energy users to increase awareness of utility-sponsored incentive and rebate programs specific to large equipment and operations. 	●	●	●	●
IEE 2	Energy Management Programs	Encourage Increase industrial energy users to participation in energy management programs such as the EnergyStar Benchmarking Program to ensure the efficient use of energy resources and proper operation of equipment and facilities.	<ul style="list-style-type: none"> 1) Provide resources, educational programs, and incentives for energy management programs to ensure efficient use of energy resources and proper operation of equipment and facilities. 	●	●	●	●
IEE 3	Efficient Upgrade Incentives	Incentivize the completion of Implement energy efficiency upgrades at industrial facilities through streamlining permit review, providing rebates for audits, and highlighting best practices among similar energy users.	<ul style="list-style-type: none"> 1) Establish a streamlined permit review process for completion of energy efficiency upgrades at industrial facilities. 2) Develop resources for best practices among industrial facilities. 	●	<ul style="list-style-type: none"> 1) Establish a streamlined permit review process for completion of energy efficiency upgrades at industrial facilities through 2015. After 2015, evaluate program participation in audits and consider a mandatory program if participation falls below 10% of total industrial facilities. 2) Develop resources for best practices among industrial facilities. 	<ul style="list-style-type: none"> 1) Establish a streamlined permit review process for completion of energy efficiency upgrades at industrial facilities through 2015. After 2015, evaluate program participation in audits and consider a mandatory program if participation falls below 10% of total industrial facilities. 2) Develop resources for best practices among industrial facilities. 	<ul style="list-style-type: none"> 1) Establish a streamlined permit review process for completion of energy efficiency upgrades at industrial facilities through 2015. After 2015, evaluate program participation in audits and consider a mandatory program if participation falls below 10% of total industrial facilities. 2) Develop resources for best practices among industrial facilities.

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IEE 4	Efficient Equipment Incentives 2	Increase the use of energy efficiency or EnergyStar rated equipment at new or renovated industrial facilities.	<p>1) Provide education, resources and assistance for the installation of energy-efficient equipment at new or renovated industrial facilities.</p> <p>2) Support or partner with state agencies or non-profit groups to implement an energy efficiency retrofit program to increase energy efficiency in existing industrial facilities.</p>	●	●	●	●
WR 1	Waste Reduction	Continue to support the programs associated with efficient waste collection and recycling, public school education, and composting.	<p>1) Enhance community understanding of resource recovery and waste management programs.</p> <p>2) Continue the home composting education campaign and the discounted sale of composting bins.</p> <p>3) Establish a program that removes food waste from landfills.</p> <p>4) Continue to implement recycling programs for schools and businesses.</p> <p>5) Support environmentally preferable purchasing programs.</p> <p>6) Support waste reduction regulations such as a plastic bag ban.</p> <p>7) Develop an evaluation mechanism to measure waste prevented by preservation, reuse, and thoughtful consumption.</p>	●	●	●	Same as 10% Target but with net zero waste goal.
WR 2	Increased Recycling Opportunities	Seek additional opportunities for county residents to recycle cardboard, glass, paper, and plastic products.	<p>1) All public and private events requiring a discretionary permit must implement a waste management plan that meets County approval for providing recycling and composting opportunities at such events.</p> <p>2) Implement a centralized processing facility for all waste.</p> <p>3) Consider addition of new materials to comingled recyclable materials as markets develop.</p>	●	●	●	Same as 10% Target but with net zero waste goal.

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WR 3	Construction and Demolition Waste Recycling	Increase the recycling and reuse of construction waste to reduce energy consumption associated with extracting and manufacturing virgin materials.	<p>1) All demolition projects requiring a discretionary permit must implement a viable recycling plan that meets County approval and includes provisions to maximize recycling of asphalt, concrete, and equipment and to minimize disposal of wastes into hazardous waste and solid waste management facilities to the maximum extent feasible.</p> <p>2) Promote the reuse of construction waste by educating the public about material reuse facilities and programs.</p> <p>3) Develop guidelines for managing construction-generated wastes.</p> <p>4) Require asphalt removed from roads and paved structures to be recycled to the maximum extent feasible.</p> <p>5) Require the use of recycled materials in roadway and paved surface construction.</p>	●	●	●	Same as 10% Target but with net zero waste goal.
WR 4	Landfill Disposal Reductions	Reduce or minimize GHG emissions from waste materials deposited into landfills.	<p>1) Develop best management practices and utilize new technologies for reducing GHG emissions from active landfills.</p> <p>2) Conduct a waste characterization study.</p>	●	●	●	●
WR 5	Clean Waste Collection Vehicles	Require waste haulers on contract with the County to use clean, Reduce GHG emissions from waste collection vehicles through the use of alternative fuels. for waste collection vehicles.	<p>1) Require the installation of particulate filters on pre-2007 waste collection vehicles to reduce particulate emissions. Older trucks that are not good candidates for retrofit should be phased out of operation.</p> <p>2) Require alternative fuel vehicles in all new contracts with waste haulers.</p>	●	●	●	●
AG 1	Local Food Programs	Increase local food production and distribution.	<p>1) Support the development of edible landscapes, neighborhood gardens, and backyard gardening through educational programs.</p> <p>2) Provide education and outreach for implementing local food programs.</p> <p>3) Reduce emissions from the transport of County agriculture-related products by encouraging grocers to purchase local food.</p> <p>4) Encourage reduced consumption of resource intensive products.</p>	●	●	●	●

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AG 2	Agricultural Conservation Practices	Promote the use of science based agricultural conservation practices, such as those established by various Good Agricultural Practice programs, and seek to expand those programs to include soil, fertilizer, water, crop rotation, and fuel management practices.	1) Work with the University of California Cooperative Extension to develop and disseminate appropriate voluntary management practices for the application of pesticides and fertilizers, tillage practices, cover crops, crop rotation, and other techniques to reduce nitrous oxide emissions, maximize carbon sequestration, and reduce fuel use.	●	●	●	●
AG 3	Agriculture Equipment	Work with the APCD to increase the use of alternatively fueled equipment in agricultural operations through education, incentives, or revisions to existing regulations.	1) Continue to support the APCD's participation in the Carl Moyer program to provide rebates for retrofitting or replacing off-road equipment. 2) Encourage the use of non-fuel equipment such as goats for vegetation management.	●	●	●	●
AG 4	Energy Efficient Agriculture Operations	Increase agriculture-related energy conservation through appropriate and practical efficient energy, water, and resource management practices.	1) Support the voluntary installation of energy-efficient irrigation systems and other energy conservation system devices. 2) Encourage landowners to participate in voluntary energy conservation programs through the provision of incentives. 3) Evaluate potential efficiency improvements in agriculture-related groundwater delivery. 4) Encourage the State to enact legislation that promotes environmentally sustainable farming practices. 5) Encourage participation in self-assessments and certification programs.	●	●	●	●
AG 5	Agriculture Irrigation Improvements	Continue to support the programs of the Soil Conservation Service, Resource Conservation Districts, UC Cooperative Extension/Farm Advisor, utility companies, and others that address efficient irrigation because of their associated energy benefits.	1) Continue the smart irrigation technology education campaign for smart irrigation controllers and rotating sprinkler nozzles. 2) Encourage the use of irrigation only between 3 a.m. and two hours after sunrise. 3) Encourage the use of irrigation controllers with rain sensors, gravity fed systems, and drip irrigation. 4) Investigate setting up a mitigation fee program to offset costs of installing efficient irrigation.	●	●	●	●
AG 6	Agriculture and Open Space Easements	Facilitate the increased use of agriculture and open space easements through zoning, dedication of public funds, and mitigation fees to protect carbon-sequestering environments and to support local-resource-based industries.	1) Review the County Land Use Development Code and Comprehensive Plan for opportunities to strengthen zoning. 2) Identify opportunities to support research of carbon sequestration in open spaces and agricultural operations .3) Encourage property owners to participate in carbon sequestration programs developed by the State or other entities. 4) Establish a mitigation fund for open space easements.	●	●	●	●

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WE 1	Water Conservation Programs	Encourage water purveyors and water customers to continue their efforts to install more efficient options to Decrease energy use associated with reduced pumping, distribution, heating, and treating of water and wastewater.	1) Provide resources for water-efficient plumbing fixture retrofit programs. 2) Encourage and assist in the use of water-efficient technologies in residential, commercial, and industrial sectors. 3) Increase coordination and streamline standards or regulations with local water districts that serve unincorporated areas of the county to improve water efficiency. 4) Identify per capita water use baselines from water purveyors to determine the need for more indoor and outdoor conservation and rebate programs .5) Encourage water conservation before development of new water resources.	●	●	●	●
WE 2	Water-Efficient Building and Landscape Standards	Maximize end-user water efficiency by encouraging the implementation of prescriptive or performance measures included in the California Green Building Code in all new and existing development.	1) Require the installation of water-efficient fixtures and equipment in all new residential, commercial, and industrial development. 2) Encourage replacement of inefficient plumbing fixtures with more efficient models and require as a condition for issuance of a certificate of final completion and occupancy or final permit approval for building additions and/or alterations. 3) Encourage the installation of dual plumbing for greywater systems in new and existing buildings. 4) Encourage the installation of greywater and rainwater harvesting systems to reduce outdoor potable water use.	●	●	●	●
WE 3	Water-Efficient Landscaping	Increase the use of (per Government Code, Section 65590, Article 10.8) native, drought-tolerant landscaping and smart irrigation technologies in new and renovated developments and at public parks and facilities.	1) Encourage native, drought-tolerant landscaping and smart irrigation technologies while discouraging hardscape in all new and existing developments. 2) Provide resources for the water purveyors' incentives for installing native, drought-tolerant landscaping and smart irrigation technologies. 3) Require reduction in outdoor water use in new landscapes through compliance with the California Water Conservation in Landscaping Act for Properties Having Landscaped Areas Between 2,500 SF and 5,000 SF. 4) Increase the availability and use of recycled water for use in outdoor landscaping areas. 5) Encourage the installation of turf on no more than 20% of the total site area on parcels 1 acre or less and 20% of landscaped areas on parcels greater than 1 acre. 6) Promote the treatment of stormwater runoff on site through the installation of rain gardens, green roofs, and rain barrels.	●	●	●	●