

REQUEST FOR COUNCIL ACTION



CITY COUNCIL MEETING DATE:

MAY 6, 2014

TITLE:

ESTABLISH GREENHOUSE GAS EMISSIONS REDUCTION TARGETS FOR INCLUSION IN THE SANTA ANA CLIMATE ACTION PLAN

CLERK OF COUNCIL USE ONLY:

APPROVED

- As Recommended
- As Amended
- Ordinance on 1st Reading
- Ordinance on 2nd Reading
- Implementing Resolution
- Set Public Hearing For _____

CONTINUED TO _____

FILE NUMBER _____



CITY MANAGER

RECOMMENDED ACTION

Authorize the City Manager to approve the following greenhouse gas emissions reduction targets for inclusion in the City's Climate Action Plan: 15% reduction of 2008 levels by 2020, and 30% reduction of 2008 levels by 2035.

DISCUSSION

Santa Ana has been proactively developing a Climate Action Plan (CAP) to demonstrate leadership in sustainability and to respond to potential legislative action. By completing the CAP, the City will be prepared for any new legislation that may be enacted.

Approval of this recommended action will allow the City to accomplish Goal 5 of the Santa Ana Strategic Plan, which includes completion of the City's CAP with measures to address water conservation, energy efficient buildings (City and community), and greenhouse gas (GHG) emissions. The recommended CAP emissions reduction targets meet the State of California objective of reducing statewide GHG emissions to 1990 levels by 2020, and are on track to achieve the statewide goal of 80% below 1990 levels by 2050.

As a first step in preparing the CAP, a GHG emissions inventory was completed to determine the baseline for future achievement. This 2008 baseline inventory showed that Santa Ana is already demonstrating leadership in reducing energy use and GHG emissions. At 5.5 metric tons of CO₂ (MTCO₂e) per capita, Santa Ana baseline emissions are lower than the statewide average of 13 MTCO₂e, and significantly lower than the nationwide average of 23 MTCO₂e.


The reduction targets of 15% of 2008 levels by 2020, and 30% of 2008 levels by 2035 were developed with input from community and City stakeholders (Exhibit 2), as well as consultants with expertise in CAP preparation and scientific calculation of emissions reductions. The result is a proposed set of actions (measures) to achieve the recommended reduction targets. Some of the measures take into consideration existing State regulations, utility incentive programs, and the City's Draft Circulation Element.

After receiving approval of the GHG reduction targets, an additional round of community and stakeholder workshops will be held for input on the draft CAP, followed by an Environmental Impact Report. The final draft CAP will be presented to the City Council for adoption.

The majority of the funding for the CAP is being provided by Southern California Edison through the California Public Utilities Commission. This funding expires in December 2014. Establishing the recommended targets will enable staff to meet the requirements of this funding deadline.

FISCAL IMPACT

There is no fiscal impact associated with approving emissions reduction targets for developing the CAP.



Edwin "William" Galvez, P.E.
Interim Executive Director
Public Works Agency

EWG/ck/ml

- Exhibits:
1. Proposed CAP Measures
 2. CAP Meetings

PROPOSED CLIMATE ACTION PLAN MEASURES



Measures that are State Mandates or Utility Programs



Measures that were developed through the Climate Action Plan Process

Community Measures

Sector	Name	Description
Energy	CA Renewable Portfolio Standard	State mandate. Electric providers must procure 33% renewable energy by 2020.
Energy	Title 24 2013 – Commercial	State mandate. Amended building standards went into effect January 1, 2014.
Energy	Title 24 2013 – Residential	State mandate. Amended building standards went into effect January 1, 2014.
Energy	SCE Direct Install for Business Programs	Incentivized measure. SCE program provides free energy efficient lighting, signage, sensors, refrigeration, sun-block window film and programmable thermostats. No cost to City or customer.
Energy	SCE and SCG Residential Programs	Incentivized measure. SCE and So Cal Gas Co offer rebates for appliances and home/pool upgrades.
Energy	Solar Energy Systems – New Private Installs	Incentivized measure. Rebates offered through SCE.
Energy	Solar Hot Water for Laundromats	Incentivized measure. Rebates offered through the So Cal Gas Co targeted toward local Laundromats.
Energy	Weatherization	Incentivized measure. Community Action Partnership installs free energy savings measures to low income residents.

Exhibit 1

Sector	Name	Description
Energy	Outdoor Commercial Signage Upgrade to LED	Incentivized measure. Mostly for signs at shopping center. Upgrade signs through lamp replacement. Rebated offered through SCE.
Energy	Green Business Challenge Program	Voluntary measure. City presents competition for business owners and property managers to participate in energy savings programs. Administered by Public Works.
Energy	LED Streetlight Purchase and Retrofit	Voluntary measure. City will purchase approximately 11,400 streetlights from SCE and convert them to energy efficient LED lamps. Savings based upon results of existing LED retrofits and impacts phased in over time. Administered by Public Works.
Energy	Hot Water Heater Efficiency Upgrade	Incentivized measure. Accelerate new federal standards of 2015 by enacting a fee waiver. Administered by Planning & Building.
Energy	Benchmarking and Energy Audits	Local regulation. Building owners would report their Energy Star Portfolio Manager every 7 years. Any building that receives a score less than 75, would be required to have an energy audit. Begin with building 50,000 sq. ft. and above; 2 nd year 30,000 sq. ft. and above; 3 rd year 10,000 sq. ft. and above. Can receive free audits and rebates from SCE. Would require code amendment. Administered by Planning & Building.
Transportation & Land Use	Pavley I & II	State mandate. Increase fuel economy standards for passenger vehicles until 2025.
Transportation & Land Use	Traffic Signal Synchronization Program for Non-TLSP Corridors	Voluntary measure. OCTA has on-going funding to implement traffic signal coordination and synchronization along major corridors in OC. The City has received Measure M funding. Administered by Public Works.
Transportation & Land Use	Implement Voluntary Parking Cash Out	Voluntary measure. Employer pays an employee to forgo parking spot. Administered by Community Development Agency and Planning & Building.
Transportation & Land Use	Community Wide Bike Share System	Voluntary measure. Implement Bike Sharing Stations at several locations throughout the City including transit hubs and major development centers. Subscription fees paid by users, and offset with corporate sponsorship and advertising venues. Administered by Planning and Building.

Sector	Name	Description
Transportation & Land Use	Implement Safe Routes to Schools	Incentivized measure. Prepare additional safe routes to schools, use grant funds. Public Works has received grants for 39 schools to date. Administered by Public Works.
Transportation & Land Use	Design Guidelines for External Bike/Pedestrian/ Transit Connectivity	Local regulation. Increase connectivity for bicycles and pedestrians between new projects and neighborhood. Accomplished through an amendment to the Citywide Design Guidelines. Administered by Planning & Building.
Transportation & Land Use	Design Guidelines for Internal Bike/Pedestrian/ Transit Connectivity	Local regulation. Increase connectivity for bicycles and pedestrians within development site. Accomplished through an amendment to the Citywide Design Guidelines. Administered by Planning & Building.
Transportation & Land Use	Encourage Development of Local Retail Service Nodes	Local regulation. Provide local retail uses in primarily residential areas and in employment areas. Exists in the Transit Zoning Code. To be included in the General Plan. Administered by Planning & Building.
Transportation & Land Use	End of Trip Facilities in New Projects	Local regulation. Include bike lockers, showers, and changing rooms in new development. Would require a Zoning Code amendment. Administered by Planning & Building.
Transportation & Land Use	Local Employment Nodes Near Residential and Retail Areas	Local regulation. Incentivized to businesses. City would create incentive program to encourage employment near residential areas. To be included in the General Plan. Administered by Planning & Building.
Transportation & Land Use	Local Residential Nodes Near Retail and Employment	Local regulation. Voluntary to developers. City would encourage, through code change, new residential development near retail and employment corridors. To be included in the General Plan. Administered by Planning & Building.
Transportation & Land Use	Adjust Parking Ratios	Local regulation. Reduce the amount of parking in new developments by reducing the City's parking ratios. Would be included in new zoning initiatives including the General Plan. Administered by Planning & Building.
Solid Waste	AB 341 Commercial and Multifamily Recycling	State mandate. Increase recycling to reach 35% diversion by 2020 and 50% by 2035. Administered by Public Works.

Sector	Name	Description
Solid Waste	Food Waste Digestion	State mandate for diversion. Voluntary measure as to approach. By 2020, 75% of food waste captured through diversion is to be sent to co-digestion facility. Administered by Public Works.
Water & Wastewater	Turf Removal	Incentivized measure. \$1.00 per sq. ft. of turf removal offered through MWDOC. Administered by Public Works.

Municipal Measures

Sector	Name	Description
Energy	Retro-commissioning	Voluntary measure. Reduce energy use through tuning and optimization of equipment. Rebates offered through SCE. Administered by Building Maintenance.
Energy	Street Lighting LED Retrofits	Voluntary measure. Identify City-owned projects with certain utility rate codes. Retrofits through SCE's On Bill Financing. Administered by Public Works.
Energy	Energy Efficiency Retrofits	Voluntary measure. Major retrofits to municipal buildings. May cover HVAC systems, lighting, controls, building, domestic hot water, envelope retrofits. Could use SCE and So Cal Gas Co On Bill Financing or through funding as a result of the City Energy Leader Partnership. Administered by Building Maintenance.
Energy	Energy Star Vending Machines	Voluntary measure. Energy Star vending machines have a sleep mode when no one is present for purchases. Requires modification of existing contract with vendor. Administered by Park & Recreation.
Energy	Solar Energy System Installations	Voluntary measure. Encourage installation of solar systems on City facilities. (Based on 160kW system) Administered by Building Maintenance.

<p>Transportation & Land Use</p>	<p>Alternative Fuel Vehicle Fleet</p>	<p>Voluntary measure. Replace City vehicles with alternative fuel vehicles– electric, hybrid, CNG. Received grant funds (\$262,500) from the Mobile Source Air Pollution Reduction Review Committee. Administered by Fleet & Store Services</p>
<p>Water & Wastewater</p>	<p>Water Distribution Retrofits</p>	<p>Voluntary measure. Retrofit pumps to new variable frequency drive. Administered by Public Works.</p>

CLIMATE ACTION PLAN MEETINGS

City Council Meetings:

- September 6, 2011, agreement with Mariann Long and Associates for energy and sustainability consulting services. (approved)
- November 7, 2011, agreement with ICLEI for the Baseline Greenhouse Gas (GHG) Emissions Inventory and Climate Action Plan (CAP). (approved)
- March 5, 2012, amendment to ICLEI agreement for preparation of an Environmental Impact Report for the CAP. (approved)
- March 5, 2012, a report on the GHG Emissions Inventory and the CAP process. (received and filed)
- March 19, 2012, ICLEI made a presentation on the CAP: 2008 GHG Inventory and Forecasts. (presentation)
- March 18, 2013, extended funding agreements with SCE. (approved)
- December 16, 2013, extended ICLEI's contract to June 30, 2015 and increased the funding by \$25,000. (approved)

Multiboard Meeting:

- March 29, 2012, joint meeting with Environmental and Transportation Advisory Committee, Community Redevelopment and Housing Commission, Planning Commission, and Board of Recreation and Parks.

Stakeholder Meetings:

- March 27, 2012, Local Businesses and Organizations
- March 27, 2012, Architects and Builders
- March 29, 2012, Community Groups
- May 8, 2012, USGBC Advocacy Committee Meeting
- July 10, 2012, USGBC Advocacy Committee Meeting

Steering Committee Meetings:

- A Climate Action Plan Steering Committee provided input during the CAP process. The Committee is made up of executive managers and key staff members from appropriate City agencies.

