

RESOLUTION NO. 2011-480

Adopted by the Sacramento City Council

August 16, 2011

ADOPTING GREENHOUSE GAS EMISSIONS REDUCTION TARGETS, PERFORMANCE GOALS, AND REDUCTION MEASURES FRAMEWORK, AND DIRECTING STAFF TO PREPARE A DRAFT CLIMATE ACTION PLAN FOR PUBLIC REVIEW.

BACKGROUND

- A. The California Global Warming Solutions Act of 2006 (AB 32) set a statewide goal of reducing greenhouse gas emissions to 1990 levels by the year 2020.
- B. The Sustainability Master Plan, adopted by City Council in 2007, established specific greenhouse gas reduction policies for City operations and the Sacramento region at: 1990 levels by 2020, 25% below 1990 levels by 2030, and 80% below 1990 levels by 2050.
- C. The AB 32 Scoping Plan, adopted in 2008 by the California Air Resources Board, recommended that local governments take action to reduce communitywide greenhouse gas emissions to at least 15% below current levels by the year 2020, which is assumed to be equivalent to achieving 1990 levels by 2020 at the local level.
- D. The 2030 General Plan was adopted on March 3, 2009, and a Climate Action Plan was identified by City Council as a priority General Plan implementation program and mitigation measure to be completed by July 2011.
- E. The City Council adopted Phase 1 of the Climate Action Plan on February 16, 2010, which identified strategies to reduce greenhouse gas emissions from the City's internal municipal operations 15% below 2005 levels by the year 2020.
- F. Staff worked with regional partners to complete a comprehensive greenhouse gas emissions inventory for the baseline year of 2005, and has completed forecasted future growth in emissions for the years 2020, 2030 and 2050.
- G. Staff has identified a recommended greenhouse gas reduction target of 15% below 2005 levels by 2020, in order to maintain consistency with AB 32 and the Sustainability Master Plan. Future targets were also identified for 2030 and 2050 in order to maintain consistency with the Sustainability Master Plan.
- H. Staff has prepared a gap analysis that identifies the effectiveness of specific greenhouse gas reduction measures in meeting the recommended target.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

- Section 1. The greenhouse gas emissions reduction target for communitywide emissions in the City's Climate Action Plan shall be a minimum of 15% below 2005 emission levels by the year 2020. Future greenhouse gas reduction targets beyond the 2020 target year shall be 38% below 2005 emissions levels by the year 2030, and 83% below 2005 emissions levels by the year 2050.
- Section 2. The proposed Draft Climate Action Plan performance goals and specific quantitative greenhouse gas reduction measures framework, as noted in Exhibit A, are hereby approved.
- Section 3. Staff is directed to prepare a Draft Climate Action Plan for public review to meet the target identified above, incorporating the goal framework and greenhouse gas reduction strategies identified above.
- Section 4. Exhibit A is a part of this Resolution.

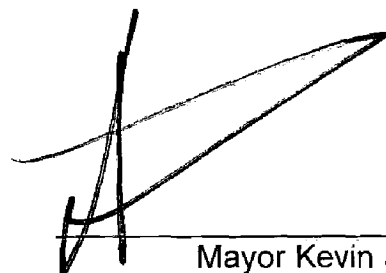
Adopted by the City of Sacramento City Council on August 16, 2011 by the following vote:

Ayes: Councilmembers Ashby, Cohn, D Fong, R Fong, McCarty, Pannell, Schenirer, Sheedy, and Mayor Johnson.

Noes: None.

Abstain: None.

Absent: None.



Mayor Kevin Johnson

Attest:



Shirley Concolino, City Clerk

Exhibit A

Climate Action Plan Performance Goals and Action Strategy Framework

The strategies in the Draft Climate Action Plan will be organized by 5 categories, which roughly correlate to the greenhouse gas emissions inventory: Energy Efficiency & Renewable Energy, Sustainable Land Use, Mobility & Connectivity, Waste Reduction & Recycling, and Water & Wastewater Efficiency.

Within the 5 categories, staff has identified several long-term performance goals, in order to help meet the overall greenhouse gas emissions reduction target as well as achieve other sustainability objectives. Staff recommends that Council approve these goals for inclusion in the Draft Climate Action Plan. The proposed goals are as follows:

- **Energy Efficiency & Renewable Energy:**
 - Achieve zero net energy in all new construction by 2030.
 - Achieve an overall 15% reduction in energy usage in all existing residential & commercial buildings by 2020.

- **Sustainable Land Use and Mobility & Connectivity:**
 - Reduce total communitywide vehicle miles traveled (VMT) per capita, at minimum of 7% by 2020, and 16% by 2035.
 - Reduce vehicle miles traveled (VMT) per capita in new development by 35%, compared to statewide averages.

- **Waste Reduction & Recycling:**
 - Achieve 75% diversion of solid waste by 2020, and work towards becoming a “zero waste” community by 2040.

- **Water & Wastewater Efficiency:**
 - Reduce water consumption 20% per capita by 2020.

Preliminary draft greenhouse gas reduction measures were identified based on the 2030 General Plan, Sustainability Master Plan, and other known efforts that will reduce emissions. The table on the following page shows the effectiveness of known quantifiable measures in meeting the recommended GHG emissions target of 15% below 2005 levels by 2020 (or, 28% below 2020 business as usual emission levels).

The City Council approves these quantified measures for inclusion in the Draft Climate Action Plan and directs staff to identify and include in the Draft Plan additional measures to help close the identified gap and meet the 2020 target.

Preliminary Greenhouse Gas Reduction Strategy and Gap Analysis		
	Annual emissions reductions by 2020 (MT CO ₂ e/yr)	% of 2020 target
Energy Efficiency & Renewable Energy Strategies		
Energy Conservation Through Consumer Behavior & Education	55,937	4%
SMUD Home Performance Program	1,964	<1%
SMUD Shade Trees	112	<1%
SMUD Smart Grid	69,215	5%
Commercial PACE Program	12,979	1%
Small Commercial Energy Efficiency Pilot Program	868	<1%
Energy Efficiency of New Multi-Family Housing Construction	8,474	1%
Residential Energy Conservation Ordinance (RECO) - Option 2 (Building Permit) ¹	3,193	<1%
Commercial Energy Conservation Ordinance (CECO) - Option 2 (Building Permit) ¹	50,071	4%
Rental Housing Inspection Program (RHIP) Efficiency Requirements	32,887	2%
CALGreen Tier 1: Exceed Title 24 by 15% in all New Construction	76,339	6%
Solar Installations in New Residential Development Projects	50,657	4%
Solar Installations in New Commercial Development Projects	1,717	<1%
<i>Subtotal (Energy Efficiency Strategies)</i>	364,413	27%
Transportation and Land Use Strategies		
Compact Infill Development (35% VMT Reduction)	51,507	4%
Expand transit 5% above MTP investments by 2020	54,848	4%
Traffic Calming Measures	1,097	<1%
Traffic Signal Optimization	10,431	<1%
Pedestrian Facilities	6,582	<1%
Bicycle Facilities	32,909	2%
City Employee Furloughs	223	<1%
Dispose of exported out-of-state solid waste at Kiefer Landfill	1,804	<1%
<i>Subtotal (Transportation and Land Use Strategies)</i>	159,401	12%
Solid Waste Strategies		
Waste Reduction Target	79,404	6%
<i>Subtotal (Solid Waste Strategies)</i>	79,404	6%
Water & Wastewater Strategies		
50% Non-Potable Outdoor Water Use	28,776	2%
20% Per Capita Water Conservation Target	17,267	1%
<i>Subtotal (Water & Wastewater Strategies)</i>	46,043	3%
Phase 1 CAP: Municipal Operations ²	10,075	1%
Total (all strategies, reduction from projected)	649,261	48%
State and Federal Reductions (reduction from projected) ³	647,933	47%
Total (all strategies plus State & Federal, reduction from projected)	1,297,194	95%
GHG Emissions Reduction Target/Goal reduction from projected		
	1,364,924	100%
Gap	67,730	5%
Notes:		
¹ RECO/CECO Option 2 (Building Permit) = requiring energy audits and/or upgrades for major rehabilitations, alterations, or additions that exceed certain valuation thresholds (e.g. \$50,000 or more); detailed program requirements to be determined at a later date.		
² City of Sacramento CAP: Phase 1, Internal Operations. February 2010.		
³ State, federal, or other agencies' actions that are outside of the jurisdictional control of the City but will have an impact on GHG emissions by 2020, including CA Renewable Portfolio Standard, increases in state/federal vehicle fuel efficiency standards, etc. MT CO ₂ e/yr = metric tons carbon dioxide equivalent per year; subtotal and totals may not sum exactly due to rounding.		