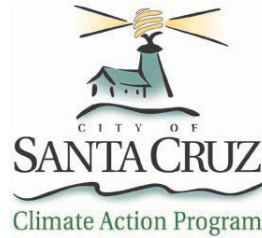


## **City of Santa Cruz**

### **Climate Action Milestones**

- 1. Reduce Energy Use in Municipal Buildings by another 40%.**
- 2. Expand energy efficiency programs to 50% of all homes by 2020.**
- 3. Increase solar to 5000 residents and 500 businesses by 2020.**
- 4. Partner with UCSC on 25 sustainability and alternative energy research projects.**
- 5. Encourage 20% of City residents to pledge and take action to reduce emissions 30% by 2020.**
- 6. Ensure the rail corridor provides transit and trail service by 2020.**
- 7. Maximize water conservation efforts and organic waste diversion by 2020.**
- 8. Double bike ridership by 2020.**
- 9. Switch 20% of cars to low-carbon fuels by 2020.**
- 10. Certify another 250 Santa Cruz Green Businesses by 2020.**
- 11. Double Tree Planting and expand Shop Local programs by 2020.**
- 12. Reduce within-town car trips and single occupancy vehicle commutes 10% by 2020.**

**“Carbon Neutral Municipality” by 2016 challenge = 10,261 tons**  
**C AP 2012-2020 Estimate of Total Reductions = 52,300 tons**



## **City of Santa Cruz**

# **2013 Climate Action Program Status Update**

*Below is a subset of actions taken by City staff and partners to implement the Climate Action Plan*

### **Reduce Energy Use in Municipal Buildings by another 40%.**

- a) Facilities Maintenance and Energy Projects Coordinator (budgeted FY 2013) to be hired soon.
- b) A 2010 Municipal Greenhouse Gas inventory has been completed.
- c) The City completed a Municipal Facility benchmarking study of 20 City facilities and implemented energy reduction strategies to reduce energy use in them by an additional 10% over the baseline.
- d) Phase three streetlight LED conversion is completed, converting 1,198 street lights to LED (over half way to our 100% goal!) reducing our energy use by 502,469 kilowatts annually and emissions by 81 tons CO<sub>2</sub>/ year.
- e) Wastewater Treatment Facility averages 58% on-site energy generation from digester gas. Outdoor plant lighting was replaced with low energy LEDs, saving 79 tons CO<sub>2</sub>/year and \$600,000 over the ten year life span.

### **Increase solar to 2000 residences and 200 businesses by 2016.**

- a) Solar parking arrays are complete and powering City Hall Complex & Police Station, saving 150 tons CO<sub>2</sub>/year.
- b) In 2012, Santa Cruz residents installed 44 additional solar systems for a total of **577** solar homes.
- c) The California FIRST PACE solar financing program is now up and running.
- d) Regional development of a Community Choice Aggregation is moving forward.

- e) The Planning Commission recommended that City Council adopt the Green Building Program Ordinance Amendments and Program Updates that support energy efficiency and solar upgrades.

**Partner with UCSC on 25 sustainability and alternative energy research projects.**

- a) The Green Wharf Project continues to grow and will be integrated into the new Wharf Master Plan.
- b) The coastal permit for wharf windmill was extended through 2014.
- c) A plug-in electric vehicle charging station has been installed on the Wharf.
- d) The Eco-Tour of the City coastline and Wharf has been in place for six months.
- e) UCSC just received a \$4.5 million sustainable energy education grant in partnership with universities in Denmark.
- f) City Resource Recovery staff is collaborating with UCSC staff to offer UCSC Zero Waste Move-Out events in June to off-campus students to reduce illegal dumping.

**Switch 20% of cars to low-carbon fuels by 2020.**

- a) Staff received grant funding for 11 electric vehicle charging stations within the City and the systems are scheduled to be installed by summer.
- b) A vehicle charging station has been installed on the City wharf as part of the UC/City Green Wharf Program.
- c) Of the City's 433 vehicle fleet, 174 (40%) are low-carbon fuel vehicles (B-20 diesel, CNG, LPG, all electric and Hybrid combination). Departments are investigating opportunities to purchase additional electric vehicles.
- d) Resource Recovery collections purchased one CNG and one hybrid refuse/recycling collection truck to evaluate operation, maintenance and fuel performance.

## **Certify another 250 Santa Cruz Green Businesses by 2020**

- a) The total number of Green Business certifications increased substantially in 2012:

2011/12 Certified Green Businesses **47**

Currently In-Process: **49**

Total Certified Businesses in Santa Cruz: **111**

**Total GHG reductions = 500 tons annually**

- b) The City Wastewater Treatment Facility, Parks and Recreation Department Administrative building and Wharf Headquarters are the first three Municipal Facilities to be Green Business Certified.

## **Reduce within-town car trips and single occupancy vehicle commutes 10% by 2020.**

- a) City Staff completed an employee commute survey that reported 17% of staff carpooled, 9% used public transportation, 31% biked, and 16% walked at least once a week during the 2010 calendar year. More than 35 employees presently drive vehicles that get 35 miles per gallon or better.

## **New actions for 2013-2014**

### **Support public private partnerships and encourage community participation**

- a) Rehire 0.50 FTE Climate Action support staff to support climate related public/private partnerships and support better reporting of environmental program success through the City website.
- b) Complete the Climate Action Plan Funding Strategy.
- c) Establish two priority Climate Taskforces (Sustainable Transportation and Landuse, Community Technical Working Group).
- d) Hire a Transportation Planner position to support implementation of General Plan and CAP goals

### **Double bike ridership by 2020**

- e) Support City Bike Plan update, integrate Climate Action Plan actions with development of future Capital Improvement Project plans, and support University Student Bike Survey project.