

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 2013Climate 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 CO2/ 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 CO2/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 CO2/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.
- a) Establish two priority Climate Taskforces (Sustainable Transportation and Landuse, Community Technical Working Group).

Double bike ridership by 2020

b) 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.