

SUMMARY OF PROGRESS

Background: The table below shows the 11 goal areas (A-K) from the 2013-2016 Cañada College Sustainability Plan. Below each goal are the programs that were written into the original plan. The Cañada College Sustainability Committee wrote each goal statement (see goal language in the Progress Report document), however many of the program ideas were taken from a template used to create the original sustainability plan. Some of these programs were completed, some are in progress, and some have not yet been addressed. Additionally, the committee has decided not to pursue some of the original programs. Lastly, many of the specific programs are actually “ongoing” types of activities, rather than activities that will be completed (e.g. holding sustainability-themed events).

2014-2015 Highlights: The most exciting project in 2014-15 was the completion of the 1.25 megawatt photovoltaic solar system. The system went fully online in March 2015 and is expected to generate approximately half of the electricity needed by the college. The campus community can monitor and study the system’s energy production at http://live.deckmonitoring.com/?id=can_solar Several other energy programs will also have a significant impact. All roadway and parking lot lighting was retrofitted with smart LED lighting, offering us more control and significant energy savings. Further, the district-wide energy, gas, and water sub-metering projects will have a huge impact by allowing us to target (and reduce) waste and inefficiency. The sub-metering project is not yet fully completed.

In response to the drought and our sustainability plan goals, the college reduced water use by 23% compared to a 2013 baseline. Reductions were possible due to major decreases in irrigation water use through decreased frequency of watering and late evening scheduling repairs and retuning of heating and cooling systems, and repairs and replacement of leaky faucets, toilets, and urinals. Additionally, educational signage was posted to promote general awareness among the campus community.

In an effort to reduce our solid waste, a campus-wide waste audit was conducted by students, staff, faculty, and community partners. Participants sifted through two day’s worth of waste to determine the components of our waste stream, strategies for reduction, and opportunities for campus education. We used our findings to create signage for our trash and recycling bins, and we hope to create more awareness-building signage in 2015/16. Additionally, our data will also be used to better manage our solid waste contracts district-wide.

For the second year in a row, the Sustainability Committee partnered with ASCC and the STEM Center to plan and implement an Earth Day event on 4-22-15. Campus water conservation facts and solid waste audit results were displayed and many community groups/government agencies related to sustainability joined us.

Looking Forward : The Sustainability Committee will focus on two goals in 2015/16, Community Awareness/Involvement and Curriculum, though work will continue to be done on the other goal areas as well. We also foresee a significant amount of time and energy needed to update the Cañada College Sustainability plan. The current plan is for 2013-2016.

Progress Report 2014-2015 Goal/Objective	Planning/ Discussion (25%)	Implementation (50%)	Ongoing (75%)	Complete (100%)
A. Campus and Community Awareness & Involvement				
1. Create a Website Dedicated to Campus Sustainability				√
2. Hold Workshops and Presentations			√	
3. Sustainability Events			√	
4. Campus Specific Outreach and Awareness			√	
B. Curriculum Development				
1. Utilize Sustainability Committee to Coordinate Sustainability-Related Curriculum	√			
2. Utilize Different Pathways to Integrate Sustainability into Curriculum			√	
3. Training Opportunities for Students		√		
C. The Built Environment				
1. Establish a Green Building Standard				√
2. Implement Sustainable Design Practices			√	
3. Use an Integrated Systems Approach in Building Design			√	
4. Hire Sustainable Design Professionals			√	
5. Commission New Buildings			√	
6. Involve Students in Design Process	√			
D. Energy Conservation and Efficiency				
1. Set Energy Efficiency Goals		√		
2. Conduct Comprehensive Facility Energy Audits			√	
3. Implement New and Existing Audit Recommendations			√	
4. Implement Ongoing Energy Monitoring			√	
5. Participate in Demand Response Programs	√			
6. Identify and Take Advantage of Grant and Incentive Programs			√	
7. Efficient Lighting and Lighting Controls			√	
8. Install Energy Efficient HVAC Systems	√			
9. Encourage and Support Energy Efficiency Training of Staff			√	

10. Adjust Temperature Set Points and Schedule Operating Times			√	
11. Optimize HVAC Equipment Scheduling			√	
12. Activate Energy-Saving Features for Appliances and Computers			√	
13. Pursue Monitoring Based (MBCX/Regro-Commissioning (RCx)		√		
E. Water Conservation and Efficiency				
1. Establish Water Conservation Goals			√	
2. Implement Water Cons. Strategies			√	
3. Reduce Storm Water , Sewer Discharges, and Water Pollution			√	
4. Adopt Sustainable Landscaping Practices				√
5. Establish a Green Cleaning Program				√
F. Solid Waste Management				
1. Create Waste Reduction Goals			√	
2. Maximize Programs Offered by Contracted Hauler			√	
3. Waste Reduction Measures	√			
4. Improve Existing Recycling Programs			√	
5. Office Furniture and Equipment Reuse Program			√	
6. Organic Waste Composting			√	
7. Construction and Demolition Waste Recycling			√	
G. Transportation				
1. Understand Commute & Travel Patterns	√			
2. Encourage/Enhance Public Transportation and Ridesharing Options		√		
3. Encourage/Enhance Bicycling Options	√			
4. Improve Campus Fleet & Travel			√	
5. Enhance Student Distance Learning & Utilize Virtual Meeting Platforms		√		
H. Sustainable Procurement				
1. Sustainable Food Purchasing	√			
2. Sustainable Procurement Practices	√			
3. Socially Responsible Purchasing	√			

I. Renewable Energy and Onsite Generation				
1. Evaluate Clean Cogeneration and Renewable Energy Generation			√	
2. Evaluate Participation in Community Choice Aggregation	√			
3. Identify and Take Advantage of Grant and Incentive Programs			√	
J. Climate Action Plan				
Continue to reduce greenhouse gas emissions through the implementation of the Cañada College Sustainability Plan.		√		
Begin the development of the Climate Action Plan.	√			
K. Sustainability Plan Management				
1. Develop and Implement a Sustainability Plan			√	
2. Appoint a Sustainability Coordinator (and Establish an Office of Sustainability)				√
3. Appoint a Campus Sustainability Committee			√	
4. Funding and Resources to Support Sustainability Activities	√			
5. Engage Sustainability Professionals as Appropriate		√		
6. Integrate Sustainability Planning into Campus Master Plan		√		