

SUMMARY OF PROGRESS

Background: The 2013-2016 Cañada College Sustainability Plan was the college's inaugural sustainability plan. It has 11 goal areas (see accompanying checklist), and each goal area has several programs. Notably, the Sustainability Committees on all three SMCCD campuses are currently revising and updating their sustainability plans. At Cañada, we will retain all 11 goal areas in our updated plan, but the goal statements will undergo significant changes to accommodate developing needs and to facilitate easier tracking and reporting. Additionally, the college and district Sustainability Committees are currently working together to determine which of the unmet objectives will be brought forward to the next plan, amended in the next plan, or discontinued in the next plan.

2015-2016 Highlights:

Awareness and Involvement: This goal area is very important. San Mateo Community College District is a state leader in sustainability, yet much of this work is unseen or not understood by the campus community. We have made progress, but more work is needed. Improvements in this area will stimulate our students and accelerate our overall progress toward sustainability on campus and in our greater community.

- Associated Students of Cañada College (ASCC) chose Sustainability as one of their three focus areas for Spring 2016 and worked with District Facilities to create and implement a "Green Event Sustainability Checklist" for all club and ASCC-related campus events.
- Farmigo continued to operate on campus, giving the campus community access to an online farmers' market with fresh, local produce, meats, and prepared foods
- Cañada Staff presented a poster showcasing sustainability efforts at Cañada at the Classified Leadership Institute in Summer 2015.
- We continued to offer tours and public speakers, including (but not limited to) campus tours of the Solar Farm and the Facilities Maintenance Center (a LEED Gold building) and a presentation by Mikhail Davis and Brandon Maddox of Interface Carpets.

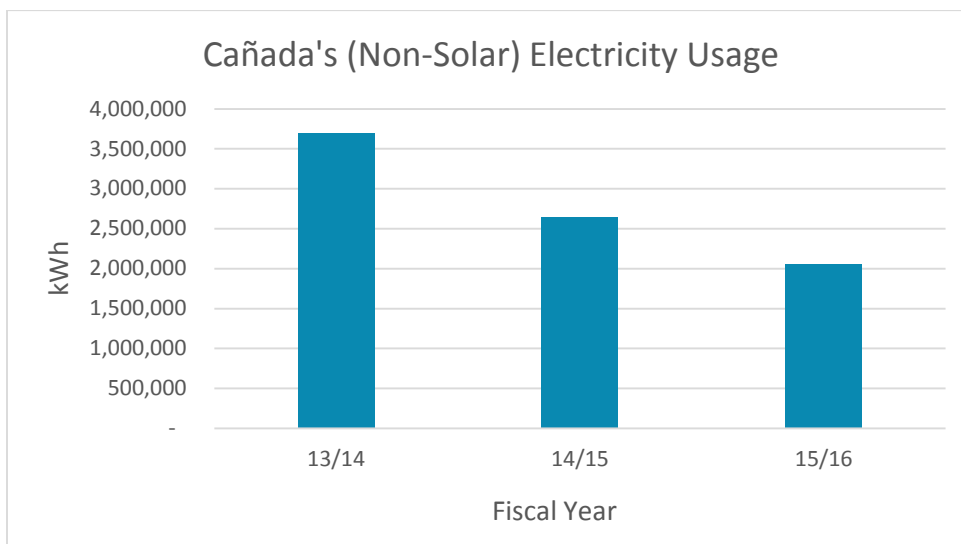
Curriculum: Most of this year's progress was on General Education. There is a degree program in the works, but not yet implemented.

- The GE Pathways program geared-up for its Fall 2016 launch. The pathways program helps students contextualize their GE pattern and offers them a chance to dig deeper into an issue of interest by studying it through the lens of several different disciplines. Additionally, the pathways builds community among students, give students another tool to market themselves, and encourages faculty interaction and collaboration across divisions. The two inaugural pathways, Sustainability and Social Justice, both broadly relate to sustainability. We anticipate pathway-related events will also provide opportunities for campus awareness-building.

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- Two Cañada faculty (Chemistry and Early Childhood Education) participated in Skyline College's Sustainability Blitz program. The Blitz pairs Climate Corps Bay Area fellows with local community college instructors. With guidance from the instructor, the fellow develops and implements sustainability-related curricula. One of the goals is that the curricula will be able to be used by the instructor in future semesters. We plan to continue and expand our participation in this program.

Renewable Energy: The college's 1.25 megawatt photovoltaic solar system continued to perform well. Since it went online in December 2014, the system has generated over 4.16 million kwh, and it generates nearly 50% of the electricity needed by the college. From FY13/14 to FY 15/16, the college has reduced its (non-solar) electricity usage by over 45%. The campus community can monitor and study the system's energy production at http://live.deckmonitoring.com/?id=can_solar

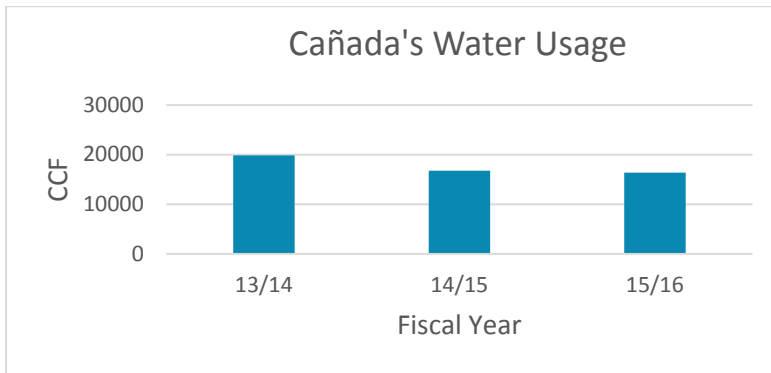


Energy and Built Environment: Several other energy-related programs have had a significant impact.

- Campus roadway, parking lot, and pathway lighting was retrofitted with smart LED lighting, offering us more control (e.g. dimming when no traffic present), better quality light, increased safety (e.g. fewer shadows), and significant energy savings.
- The existing Energy Information System has been replaced by a new Building Management System that will provide energy usage information for the different buildings across campus. This will allow for a much higher level of monitoring, which will allow the Facilities Department to optimize performance gaps and address equipment problems to prevent issues in the future. The project is expected to be fully completed and in use by Spring 2017.
- Planning is underway for two new buildings (Math, Science, and Technology; Kinesiology and Wellness). Both buildings will adhere to SMCCCD Facilities Design Standards and will be at a minimum, certified LEED Gold.

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Water: In response to the drought and sustainability plan goals, the college continues to reduce water use. Huge reductions were made last year (over 18% from FY13/14 to FY 14/15). Even so, we managed to further reduce water use 3% from FY 14/15 to FY 15/16. Outside, facilities staff continue to fine-tune irrigation frequency and duration and non-potable water is being recirculated in our fountain systems. Inside, facilities staff continue to fine-tune our heating and cooling systems and to find, repair, and replace leaky faucets, toilets, and urinals. In Fall 2016 the Student Environmental Club will partner with the Sustainability Committee and District Facilities to perform a campus-wide water audit.



Solid Waste: In response to last year's college-wide waste audit, new image-based signs were designed and installed on outdoor trash and recycling bins. The signs help educate the campus community about what goes in each bin. Current work (not yet completed) includes additional waste reduction education and a new campus composting program (Spring 2017).

Checklist: 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. Some of the programs were completed, some are in progress, some have not yet been addressed, and a few we have decided not to pursue. Additionally, many of the specific programs are actually "ongoing" types of activities, rather than activities that will be completed (e.g. holding sustainability-themed events). As noted previously, the Sustainability Committee is currently working on a comprehensive plan update.

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Progress Report 2015-2016 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		√		