

# Coconino Community College District Environmental Sustainability Plan

Lone Tree Campus



Fourth Street Campus



Page Campus



Williams Campus



Revised 11/2/10

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**President's Letter**

# Coconino Community College

## Vision and Mission Statement

### **Vision:**

\*Leading our communities in life-long learning.

### **Mission:**

\*As a learning-centered college, we enrich lives by embracing diversity and transforming the future through quality education.

### **Purposes to Achieve Mission:**

\*General Education \*Transfer Education \*Occupational Education \*Continuing Education \*Developmental Education \*Economic Development \*Technology Integration \*Student Services \*Cultural and Community Service

### **Core Values:**

We – the personnel and District Governing Board of Coconino Community College – are dedicated to providing quality educational opportunities to our community. In doing so, we commit to the following core values to guide our decisions and behaviors as we seek to meet the changing needs, aspirations, and goals of our community.

#### **\*People**

We strive to accept the uniqueness of each individual and the contribution each person makes. We strive to create a caring, accepting, and productive environment for our students, employees, and community.

#### **\*Learning and Growth**

We are dedicated to providing lifelong learning opportunities for our students, employees, and community to empower them to achieve their dreams. In this endeavor, we create learning opportunities that are accessible and relevant to our students and which place the learner first.

#### **\*Quality**

We recognize the importance of continually improving our educational offerings and services and the need to hold our students and ourselves to high expectations and standards. We employ a dynamic, strategic planning process and constantly assess our activities to be responsive and accountable to our students, employees, and community.

#### **\*Ethics**

We believe that to be effective we must demonstrate integrity. Therefore, we uphold the highest ethical standards in all of our activities resulting in a responsible and fair environment for our students, employees, and community and a responsive and open decision-making process.

**\*Community**

We exist for our community; therefore, we must be responsive to its changing needs and its diversity. To do so, we strive to provide services that are timely, accessible, and affordable. We also pursue partnerships and collaborations throughout our community to be responsive to the needs of our diverse populations.

**\*Respect**

We recognize that learning cannot occur without respect. We are committed to the acceptance of diverse cultures, differing ideas and beliefs, and the uniqueness of each individual since these are the foundations of respect.

**\*Sustainability**

We commit to innovative thinking to guide our decisions toward sustainable practices in our living, learning and working environments. In this earnest endeavor, we strive to demonstrate adaptive leadership, eco-friendly stewardship, and quality education in a mindful and economically feasible manner.

## CCC Sustainability Committee

### Mission Statement

**Mission Statement:**

\*Learning, Living, and Working Sustainably Sustainably

**Committee Goal:**

\*Develop a sustainability plan, with identified short- and long- term goals, that fits into and complements the CCC Strategic Plan.

## What is Sustainability?

Sustainability is just one word and yet there exists over 300 definitions.

The best-known definition of sustainability or sustainable development is the definition by the World Commission on Environment and Development. This suggests that sustainability is defined as "forms of progress that meet the needs of the present without compromising the ability of future generations to meet their needs."

The diagram (right) is a template for reporting on sustainability.



## Environmental Sustainability

Environmental sustainability refers to the environmental actions or impacts of what we do. In moving towards sustainability, we are attempting to reduce our ecological footprint or to tread more lightly on the Earth. This equates to reducing the amount of resources we use (and buy), the waste we produce, and the emissions we produce.

With every action impacting on the planet's ecosystems, from the local to the global, the world is changing and it is not just the climate.

[http://www.griffith.edu.au/ofm/sustainability/content\\_definition.html](http://www.griffith.edu.au/ofm/sustainability/content_definition.html)

**"Sustainability is an economic state where the demands placed upon the environment by people and commerce can be met without reducing the capacity of the environment to provide for future generations. It can also be expressed in the simple terms of an economic golden rule for the restorative economy: Leave the world better than you found it, take no more than you need, try not to harm life or the environment, make amends if you do."**

Paul Hawken, "The Ecology of Commerce", 1993

**"Development that meets the needs of the present without compromising the ability of future generations to meet their own needs."**

This definition was created in 1987 at the World Commission on Environment and Development (the Brundtland Commission). It is enshrined in the Swiss federal constitution. It is similar to the "seventh generation" philosophy of the Native American Iroquois Confederacy, mandating that chiefs always consider the effects of their actions on their descendants seven generations in the future.

## Executive Summary

The contents within this plan incorporate the intent of Coconino Community College's Vision and Mission statements, the Sustainability Committee Mission, and the Core Values of CCC. The Committee is composed of members representing a cross section of the College. The Sustainability Task Force was commissioned and charged with the duties of developing a district-wide plan for sustainability with identified short- and long- term goals. The Task Force is now recognized as the CCC Sustainability Committee.

Based on our mission statement of "Living, Learning, and Working Sustainably," the Sustainability Committee puts forth this plan to demonstrate its leadership role in reducing greenhouse gas emissions and encouraging conservation of resources while educating our communities.

We strive to achieve our mission and our goals while working within our economic feasibility as set forth by this Committee and CCC's fiscal resources.

**\*Living** – We strive to live in a manner that compliments and appreciates our surroundings and our resources. Living encompasses our own lives as well as the lives of other living beings.

**\*Learning** – We strive to learn every day, personally, professionally and from everyone we meet or have contact with. Learning encompasses educating ourselves, our students, and our communities, as well as how we pass knowledge on.

**\*Working** – We strive to work not only for a better life for ourselves, but also a better life for our communities as a whole. Working encompasses doing our best every day to improve lives and educate ourselves, and others, in new processes for sustainably making things better individually, within families, our work environment, and our communities.

**The CCC Sustainability Committee is proud of its accomplishments and goals listed in the appendices of this document.**

## Work Plan

1. Use of the District-wide site plan (Master Plan) to ensure sustainable and appropriate uses of land, water, and resources managed by CCC.
  - A. The long-term goal of the Master Plan is to establish a College task force of faculty, staff, and students to recommend, develop, and implement sustainable practices district-wide.
  - B. Regular reviews and modifications create a continuous quality improvement system resulting in refined goals, increased sustainability practices, and cost savings.
  - C. Ensure that the plan dovetails with the Coconino County Comprehensive Plan (<http://www.coconino.az.gov/comdev.aspx?id=142>) and other agencies.
2. Maximize the College's mission as a learning-centered college to educate faculty, staff, and students about the physical, biological, cultural, socio-economic, and ethical dimensions of sustainability.
  - A. Maintain all campuses as working models of sustainability which enables faculty, staff, and students to live, learn, and work within a growing sustainable world.
  - B. Support faculty, staff, and student educational experiences beyond the classroom using the "campus as ecosystem" concept. Provide support for student organizations and activities that relate to campus, community, and regional sustainability initiatives and projects.
  - C. Ensure that CCC faculty and staff have the opportunity to receive professional development in sustainability issues and support faculty in their efforts to introduce sustainability into the curriculum.
  - D. Promote and educate faculty, staff, and students on the Dark Skies Coalition in Flagstaff. To learn more about the Dark Skies Coalition go to <http://flagstaffdarkskies.org/>.
3. Employ the diverse talents and skills of faculty, staff, and students in efforts that positively reflect the progress of the College's sustainability initiatives and showcase accomplishments.
  - A. Promote communication about CCC's sustainability efforts and successes district-wide.
  - B. Attract and recruit faculty, staff, and students to participate in on-going activities that reduce waste and conserve water, energy, and materials. Promote student interest in sustainability issues in CCC's signature programs that incorporate sustainability education. Martial students' voices to promote on-campus sustainability initiatives.
  - C. Recognize professional faculty, staff, and students who advance campus and community sustainability so that they may serve as inspirations to others.
4. Promote sustainable business practices and renewable resources to the benefit of individuals, Coconino Community College, the communities we serve, and beyond.

- A. Seek the involvement of, and partner with, private for-profit corporations and businesses, nonprofit entities, and local and federal government in implementing sustainability initiatives.
  - B. Obtain private or public support to facilitate community events highlighting green and sustainable solutions.
  - C. Support Arizona’s statewide initiatives to capitalize on business opportunities that encourage sustainable development, including opportunities for new and existing businesses.
  - D. Sponsor credit, and/or non-credit, workshops and training opportunities each year indentifying the sustainable or “green” business communities.
  - E. Establish and maintain a community garden, greenhouse, water harvesting and composting system, as a working model for faculty, staff, and students to gain hands-on experience with sustainable horticulture.
5. Integrate sustainable practices through the exploration and use of recycling and renewable energy sources.
- A. Support Leadership in Energy and Environmental Design (LEED) Silver standard or equivalent and other green building practices in the development of facilities and new construction.
  - B. Ensure that all new college buildings and major renovations meet the Coconino County Sustainable Building Resolution’s standards in achieving energy and water conservation goals, while addressing indoor air quality and providing higher levels of natural lighting.
  - C. Promote district-wide awareness through sharing information, ideas, incentives, and materials to advance energy fuel conservation and reduce greenhouse gas emissions on campus and in the surrounding community.
  - D. Deliver alternative energy sources to the CCC campuses as soon as they become available. Assist in analyses or pilot projects which advance the co-generation of energy from renewable resources such as wind, solar, or biomass.
  - E. Continue to support the campus-wide recycling programs through stronger public awareness campaigns and expanded operations.
6. Develop diversified strategies for reducing fossil fuel use and carbon emissions associated with motorized vehicles on campus.
- A. Maintain strong motor and vehicle purchase standards that reduce fossil fuel use and carbon emissions while still meeting mandated competitive solicitation processes.
  - B. Set goals to incrementally increase the pollution-reducing performance of both light- and heavy-duty vehicles.
  - C. Foster the use of mass transit, car-pooling, bicycles, and high efficiency and hybrid/alternate fuel vehicles by faculty, staff, and students.
  - D. Develop a program to phase out the use of two-cycle engines.

7. Create and maintain sustainable materials purchasing and disposal practices.
  - A. Maintain sustainability-sensitive purchasing and disposal policies for office products, CPUs, monitors, florescent light bulbs, and other items.
  - B. Periodically revise the campus-wide bid specifications for electronic office equipment to emphasize an “Energy Star” or other third-party certification standard relative to energy savings.
  
8. Control the use, storage, and disposal of hazardous chemicals and materials.
  - A. Comprehensively manage hazardous materials on campus to minimize/optimize usage, waste produced and to reduce the number and severity of safety-related issues such as exposure or accidents.
  - B. Hazardous materials used and stored on campus, including pesticides, fertilizers, cleaning/maintenance products, and research/student laboratory chemicals, will be inventoried. The inventory will include information such as location, hazard index, safety information, usage rate, disposal rate, purchase and disposal costs, permit information and costs, noncompliance, and enforcement action costs.
  
9. Maintain attractive outdoor landscapes on campus through environmentally friendly means such as xeriscape, natural features, and water collection and reuse.
  - A. Use local and native materials for landscaping purposes.
  - B. Continue current emphasis on native plants in xeriscape designs and the use of rock, bark/wood chip mulch and compost from nearby sources, especially those materials that are derived from forest restoration and thinning projects.

## Appendices

1. CCC Sustainability Accomplishments
2. CCC Sustainability Goals Worksheets
  - a. The “A” List – Short-term, up to 6 months
  - b. The “B” List – Up to 1 year
  - c. The “C” List – Up to 3 years
  - d. The “G” List – Ongoing Projects
3. CCC Sustainability Pictures
4. Quarterly Report to City Alliance on Sustainability at CCC
  - a. January – March 2008
  - b. April – June 2008
  - c. July – September 2008
  - d. October – December 2008

# CCC Accomplishments

## June 30, 2008 – December 31, 2008

### Lone Tree Campus

- Computerized facilities automation system
- Computerized lighting control system
- High efficiency lighting T-8 lights with electronic ballast
- LED exit lights
- Day lighting throughout the building
- Compact florescent lighting
- Low pressure sodium parking lot lighting
- High efficiency chillers for cooling
- High efficiency boilers for heating
- Flat plate economizer system
- Double pane thermal windows
- Motion detectors in office areas and classrooms for lighting
- CCC Foundation Sustainability Fund established November 2007
- CCC garden
- Rainwater collection set up at CCC garden for education and sustainability
- Rainwater collection barrels set up on north side of campus to collect water for live plants in Commons
- Wind turbine/data monitor installed April 2008
- CCC website link to STF: <http://www.coconino.edu/sustainability/>

### Buildings

- Low maintenance exterior buildings
- Use of recycled wood products
- Native landscaping/xeriscaping
- Greenhouse donated by CCC/NAU students
- Garden tool shed donated by CCC/NAU students

### Transportation

- Carpooling
- Biking
- Pedestrian /bike trails to the campus (City of Flagstaff FUTS system)
- Mountain Line transit system with hybrid and alternative fuel buses

### Water

- Low flow water faucets in restrooms and break rooms
- Waterless urinals

- Low flush toilets
- Computerized drip irrigation system
- Native plants that require low water or no watering
- Water retention areas to control storm water flow
- Metal roof water harvesting system with 2500 gallon collection tank
- Storm water returns to natural water ways

**Waste Management**

- Recycle 90% of all trash (partnership with the City of Flagstaff Recycle Program)

# CCC Accomplishments (continued)

## 4<sup>th</sup> Street Campus

- Computerized facilities automation system
- Computerized lighting control system
- High efficiency lighting T-8 lights with electronic ballast
- LED exit lights
- Day lighting in parts of the building
- Compact florescent lighting
- Low pressure sodium parking lot lighting
- High efficiency package heating and cooling units with economizers

## Buildings

- Low maintenance exterior buildings
- Native landscaping/xeriscaping

## Transportation

- Carpooling
- Biking
- Pedestrian /bike trails to the campus (City of Flagstaff FUTS system)
- Mountain Line transit system with hybrid and alternative fuel buses

## Water

- Low flow water faucets in restrooms and break rooms
- Low flush toilets/urinals
- Native plants that require only natural watering (no exterior landscape watering system)

## Waste Management

- Recycle 90% of all trash (partnership with the City of Flagstaff Recycle Program)
- Community glass recycling container

# CCC Accomplishments (continued)

## Page Campus

- Computerized facilities automation system
- Computerized lighting control system
- High efficiency lighting T-8 lights with electronic ballast
- LED exit lights
- Day lighting throughout the building
- Compact florescent lighting
- Low pressure sodium parking lot lighting
- High efficiency package heating and cooling units with economizers
- Double pane thermal windows
- Motion detectors in office areas for lighting

## Buildings

- Low maintenance exterior buildings
- Native landscaping/xeriscaping

## Transportation

- Carpooling
- Biking
- Pedestrian /bike trails to the campus
- City of Page bus system to the campus

## Water

- Low flow water faucets in restrooms and break rooms
- Low flush toilets and urinals
- Computerized drip irrigation system
- Native plants that require low water or no watering

# CCC Accomplishments (continued)

## Williams Campus

- Computerized facilities automation system
- Computerized lighting control system in parking lot
- High efficiency lighting T-8 lights with electronic ballast
- LED exit lights
- Day lighting throughout the building
- Compact florescent lighting
- High efficiency heating and cooling units
- Double pane thermal windows

## Buildings

- Low maintenance exterior buildings
- Native landscaping/xeriscaping

## Transportation

- Carpooling
- Biking

## Water

- Low flow water faucets in restrooms
- Low flush toilets and urinals
- Computerized drip irrigation system
- Native plants that require low water or no watering

## Waste Management

- Recycle 90% of all trash (partnership with local recycling program)

# CCC Sustainability Goals Worksheets

FY - 09

## SUSTAINABILITY WORKPLAN WORKSHEET - The "A" List

Short-term: Up to 6 months

Sustainable Goal	Benefits	Specific Tasks	Responsible Staff	Timeline	COST
National Teach-In on Global Warming Solutions	Educating CCC and public, collaborate with NAU	Brown bag presentations	Robin Rickli, Joe Costion, Bryan Bates, Debbie Holbrook, Phi Theta Kappa	Week of February 5, 2009	
Earth Day	Educating CCC and public	Table at City of Flagstaff event	Bryan Bates, Tess Wymore, Larry Meyer	Saturday, April 18, 2009	
Computers - Power/Heat Control	Reduce energy consumption	Set up a campus-wide sleep setting	Rick McDonald, Jean Aston	TBD	
Green Building Lecture Series	Partner with USGBC, Emerging Green Builders, Coconino County SEDI, NAU/MLA/ Construction Mngmt/Ctr for Sustainable Environments	Hosting events at CCC-LT, table with information	Joe Costion	Monthly - 10 months	In-kind use of Commons
Sustainable Living Lecture Series	Cline Library	Partner with other local committees & businesses	Joe Costion	Monthly	\$ donation for speakers

# CCC Sustainability Goals Worksheets

FY - 09

## SUSTAINABILITY WORKPLAN WORKSHEET - The "B" List

Up to 1 year

Sustainable Goal	Benefits	Specific Tasks	Responsible Staff	Timeline	COST
"Green" Wall - CCC Accomplishments	Recognition of CCC's sustainable efforts	Determine location Library has "green wall"			
Fundraising Event - Reusing (bags, bottles, mugs)	Identify ways to increase funds for Sustainability Committee functions and tasks	Talked with CCC Foundation and Grants management	Committee	In progress	
Gray Water Systems	Maximize efficient use of reclaimed water	Tap into purple water lines	Partnerships with Facilities, City of Flagstaff		
Energy Audit	Conduct energy audit of CCC locations	Identify grant funding & partnerships			
College-wide Indoor Environmental Policy	Identify possible concerns in CCC locations	Strategic Plan			
Green Self Tour with Map and Walking Trails	Mark efforts through tour	Identify interested staff			
Garden/Solar Greenhouse/ Potting Shed/ Rainwater Collection	Model gardening to increase learning about local planting	Student participation/Master Garden Class	Tess Wymore, Bryan Bates, Joe Costion	First Phase September 2008	

# CCC Sustainability Goals Worksheets

FY - 09

## SUSTAINABILITY WORKPLAN WORKSHEET - The "C" List

Up to 3 years

Sustainable Goal	Benefits	Specific Tasks	Responsible Staff	Timeline	COST
Dusk-to-Dawn in Hallways	Reduce electricity use	Adjust lighting requirements			
CCC - Sustainability Model in Action	CCC becomes a complete learning and educational facility	Grant funding initiatives			
Air Quality Monitoring/Noise Abatement	Address environmental quality issues for air & noise concerns	Visual meter for instructional curriculum - Acoustic improvements - College-wide indoor environmental policy			
Bulk Buying/Green Purchasing - Supplies, Janitorial, etc.	Benefit from economies of scale, reduce purchases	Include recommendations from Purchasing Department	Purchasing Department		
Eco/U-pass - Mountain Line - Use of NAU Buses	Encourage mass transit use to campus	Coordinate with NAU & Mountain Line			
Building Awnings - West Side for Block Walls	Adjust lighting in Commons to reduce heating & cooling costs				
Compost Program - Separate Containers	Institute composting as educational tool				
Telecommuting - Create Policies					

# CCC Sustainability Goals Worksheets

FY - 09

## SUSTAINABILITY WORKPLAN WORKSHEET - The "G" List

### Ongoing Projects

Sustainable Goal	Benefits	Specific Tasks	Responsible Staff	Timeline	COST
Web Page -Calendar	Exposure, educating CCC and public	Created a specific sustainability web page with a button on CCC's home page. Continued updating required.	Robin Rickli, Karla Phillips, Mike Capps	March 2008	
Fundraising, Grants	Finance ongoing "sustainable" tasks and events	Identify additional fundraising opportunities			
Rainwater Collection	Water reuse for education tool and sustainability	Continue expanding opportunities	Joe Costion	Continuous	
Recycling	Encourage waste management and reduction	Strengthen understanding of recycling at CCC locations; add signage;	Robin Rickli, Debbie Holbrook, Joe Pino, Larry Meyer		
Carpooling-Internal/External	Promote reduction in fossil fuel consumption		Robin Rickli, Karla Phillips, Tess Wymore		
Strategic Plan	Strengthen and embed sustainability within college through planning document	Ongoing review and measurement of success toward completion of plan goals; address Campus Climate	Mark Easton, Debbie Holbrook, Chris Black, Kathi Zahl		
Reduce Paper - More Use of Electronic Forms	Lower Costs - Less Waste	Create more electronic forms and promote usage (remove @PAFS)	Rick McDonald, Herb Klaus, HR Staff, FSA's, David Hakanson, Tess Wymore		
Improve Efficiency of Technology	Lower Carbon Footprint	Replace equipment ie: monitors, servers, with new LCD & BLDC servers	Rick McDonald, Herb Klaus, David Hakanson		

Appendix 2d (cont'd)

Sustainable Goal	Benefits	Specific Tasks	Responsible Staff	Timeline	COST
Awareness/Advertising	Encourage community-wide participation				
Identify Green Partnership Members and Identify Collaborative Projects	Create linkages with CCC communities				
Education – Green Assignments/Curriculum	Create connection between learning and action	Participation in Focus the Nation & National Teach In; Creating sustainable courses			
Professional Development	Offer opportunities to learn more about sustainability	Identify professional development opportunities, include in staff trainings			
LEED Certified Buildings					
Community Shared Use Buildings with CCC					

# CCC Sustainability Pictures Lone Tree Campus



Environmentally  
Friendly Green  
End Tubes

T8 Fluorescent  
Lighting



Wall Mounted  
Motion Detectors



Compact Fluorescent  
Lighting – Lone Tree  
Commons

Low Pressure  
Sodium Lights  
which comply  
with the Dark  
Skies Ordinance



CCC Gardener, Tess  
Wymore, at the  
rainwater holding  
tank. 2008





This is one of two rain water collection barrels outside Facilities. Volunteers use this water for the live plants in the Lone Tree Commons.

Youth Build – Introduction to Solar applications Class – August 2008. Joe Costion, instructor, and his class installed solar photovoltaic panels at the 4<sup>th</sup> Street campus.





This 4' x 25' cold frame was designed by Nancy Rupert and built by Leancy Rupert and students. It was installed on the vegetable bed June 5, 2009 by volunteers.

Volunteer Jerry O'Conner builds the rock garden which will eventually hold vegetables, herbs, and flowers.





This rainwater collection tank is used for watering the garden. This water comes off the roof of the CCC kiln.



➔ The potting shed at the CCC Garden built and donated by classes at CCC and NAU.

➤ Tool shed at the CCC Garden built and donated by classes at CCC and NAU.



CCC's wind turbine, installed April 2008 and donated by Southwest Windpower, is used as a teaching tool.



Alliance Report on Sustainability at Coconino Community College  
Mark Easton, Executive Director of Facilities – 928.226.4284

January – March 2008

- Created CCC's Sustainability Task Force which utilizes the mission statement of "Living, Learning, and Working Sustainably."
- President Bornstein signed the MOU (memorandum of understanding) with NAREG (Northern Arizona Regional Energy Purchasing Group) which commits to purchasing 5% of CCC's electrical power as green power.
- Hosted Focus the Nation on campus with a tele-broadcast of The 2% Solution, five days of speakers, and free soup and bread for all participants.
- Developed a sustainability web page <http://www.coconino.edu/business/facilities/sustainability/Pages/default.aspx> with an event calendar.
- Student participation in events and activities related to sustainable efforts at CCC such as Focus the Nation, Phi Theta Kappa glass/cell phone/batteries/ ink cartridge recycling project.
- Working with Southwest Windpower to erect wind turbine at Earth Day Celebration.
- Continuing recycling efforts and modifications of CCC's recycling program.
- Incorporating sustainability efforts into CCC's strategic plan, and goals.
- Created a Sustainability Task Force foundation fund for donations to CCC's sustainability efforts.
- Youth Build Program students begin classes with an agreement for a Green Construction Technology Certificate program. This federally funded program works with several partners to remodel and "green" several Sunnyside residences.
- Curriculum Committee begins adoption of above Green CT Certificate program.
- CTM Dept conducts "Sustainable Living Series" classes including Solar Home Design, Rain Water Harvesting, and Intro to Green Building.
- NAU/CCC partnership students build 5 solar garden sheds.
- President Bornstein attends Sustainable Economic Development Initiative (SEDI) board meeting.

Alliance Report on Sustainability at Coconino Community College  
Mark Easton, Executive Director of Facilities – 928.226.4284

April - June 2008

CCC hosted its first Earth Day Celebration with sustainable vendors, CCC community garden participation, rain water collection system, solar green house installation, and various guest speakers and events. During this celebration, we raised our wind turbine donated by Southwest Windpower. Students of the Photo Voltaics & Wind Power Class worked on the project. The CCC Foundation received donations from community businesses towards completion of the wind turbine installation. President Bornstein signed the American College & University Presidents Climate Commitment Agreement at a ceremony for the wind turbine.

The CCC Sustainability Task Force formed a panel at one break-out session during the College's semi-annual Employee Development Day to discuss what the Task Force is doing and how it is structured.

President Bornstein presented wording to the District Governing Board for incorporating sustainability efforts into CCC's strategic plan and goals. This wording was approved and has become part of the College Strategic Plan.

CCC has ongoing student participation in events and activities related to sustainable efforts at CCC, such as Phi Theta Kappa glass/cell phone/batteries/ ink cartridge recycling project, and Earth Day activities. CCC continues its recycling efforts and modifications of its recycling program.

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July – September 2008

Arizona Public Service gave the final inspection for the wind turbine operation. The CCC Foundation purchased a bronze plaque for the wind turbine and the Facilities Department installed it.

CCC President Leah Bornstein accepted an invitation to sit on the CCSEDI board.

CCC's community garden continues to expand. A solar green house was donated by NAU/CCC construction class, and a shed for tools was donated by CCC's construction class. Youth Build constructed and installed shelves in the green house and the tool shed, put in T-poles and raised a chicken wire fence, leveled the shed, and built a step on the shed. The garden walkway is under construction with donated cinders. Water collection tanks, obtained through grants, are full. CCC's Soil I class planted garlic in one bed and is creating a rock garden for herbs and flowers for a class project. The garden has received money and supplies from Joe and Kim Costion and WalMart. Many volunteers, staff and students, have worked hard throughout this growing season.

CCC has ongoing student participation in events and activities related to sustainable efforts at CCC such as Phi Theta Kappa's glass/cell phone/batteries/ ink cartridge recycling project. CCC continues its recycling efforts and modifications of its recycling program. Carpooling connections were set up on the CCC Go Green webpage for faculty, staff and students.

Sustainability Task Force approves supporting Green Building Lecture series – series of speakers and subjects related to green building. CCC will host these lectures starting in January 2009.

Alliance Report on Sustainability at Coconino Community College  
Mark Easton, Executive Director of Facilities – 928.226.4284

October – December 2008

Mark Easton, Executive Director for Facilities, attended the ribbon cutting ceremony for the Wildcat Hill Wastewater Treatment Plant and the Mountain Line dedication for the new Sunnyside Route and Transit Center on Phoenix Street.

CCC participated in the 2008 Solar and Wind Energy Tour with two tours on its campus. We also had six to eight participants who attended breakfast and toured with the City Tour for Solar sponsored by Sun Edison at NAU.

CCC continues to modify its sustainable committee plan and all sustainable activities on campus.

## References

Bridgewater State College, Sustainability Plan

<http://www.mass.gov/envir/Sustainable/initiatives/PDF/BridgewaterSCplan82405.pdf>

Berea College – Berea, KY

<http://www.berea.edu/sens/>

<http://www.berea.edu/sens/sustainabilityinitiatives/default.asp>

Carnegie Mellon – Pittsburgh, PA

<http://www.cmu.edu/greenpractices/>

[http://www.cmu.edu/greenpractices/green\\_initiatives/index.html](http://www.cmu.edu/greenpractices/green_initiatives/index.html)

Duke University – Durham, NC

<http://www.duke.edu/sustainability/>

<http://www.duke.edu/sustainability/policy.html>

Griffith University – Queensland, Australia

[http://www.griffith.edu.au/ofm/sustainability/content\\_definition.html](http://www.griffith.edu.au/ofm/sustainability/content_definition.html)

Harvard Green Campus Initiative – Cambridge, MA

<http://www.greencampus.harvard.edu/>

<http://www.greencampus.harvard.edu/about/principles.php>

Middlebury College – Middlebury, VT

<http://www.middlebury.edu/administration/enviro/>

<http://www.middlebury.edu/administration/enviro/initiatives/>

Northern Arizona University – Flagstaff, AZ

<http://home.nau.edu/environment/>

<http://environment.nau.edu/CampusSustainability/NAUCampusEnvironmentalPlan.pdf>

Oberlin Sustainability – Oberlin, OH

<http://www.oberlin.edu/sustainability/>

[http://www.oberlin.edu/sustainability/resources/strategic\\_plan.html](http://www.oberlin.edu/sustainability/resources/strategic_plan.html)

[http://www.oberlin.edu/sustainability/about/work\\_plan.pdf](http://www.oberlin.edu/sustainability/about/work_plan.pdf)

Oregon State Government – Salem, OR

<http://econ.oregon.gov/ECDD/pubs/SusPlan06.pdf>

Penn State University – Philadelphia, PA

<http://www.engr.psu.edu/cfs/>

<http://www.engr.psu.edu/cfs/mission.aspx>

Pomona College – Claremont, CA

<http://www.pomona.edu/cpm/sustainability/>  
[www.pomona.edu/cpm/environpolicy.shtml](http://www.pomona.edu/cpm/environpolicy.shtml)

Tufts University – Boston, MA  
<http://www.tufts.edu/tie/tci/TuftsSustainability.htm>

University of California – Several campuses  
<http://www.universityofcalifornia.edu/environment/welcome.html>

Warren Wilson College Campus Sustainability Initiatives – Swannanoa, NC  
<http://www.warren-wilson.edu/environmental/initiatives.php>  
<http://www.warren-wilson.edu/environmental/sustainability/commitments.php>

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