

Board of Trustees Agenda Item

Board Meeting Date: May 3, 2010

Title of Item: Sustainability Plan

Background and Analysis:

The Sustainability Plan is an integral part of the District Strategic Plan. The Sustainability Plan also supports Board Policy 3214, Environmentally Sustainable Practices which sets forth the District's commitment to good stewardship of the environment and to reducing the District's dependence on non-renewable energy sources. Key elements of the Sustainability Plan include:

- ✓ Reference to other key documents related to Environmentally Sustainable Practices
 - Administrative Procedure 3214, Guidelines for Administering Environmentally Sustainable Practices
 - AB 32; Californian Global Warming Solutions Act
 - American College & University Presidents' Climate Act
 - Foothill and De Anza College Sustainability Management Plans
- ✓ A District wide Sustainability Team
- ✓ A clear statement of long term goals
- ✓ Short term actions that identify key annual sustainability goals as well as lead and support responsibilities for each
- ✓ A Communications Plan that includes
 - Routine reporting to the campus community
 - Annual reporting to the Board of Trustees

Comments and feedback on the plan were discussed with the Board at the April 5, 2010 meeting.

Recommendation: Approval

Submitted by:	Charles Allen
Additional contact names:	Andy Dunn, Vice Chancellor, ext. 6201
Is backup provided?	Yes



Sustainability Plan

Date:	May 3, 2010
District Coordinator:	Charles Allen, Executive Director of Facilities and Operations
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Information

1.1 Reference Documents

- 1.1.1 Board Policy 3214, Environmentally Sustainable Practices
- 1.1.2 Administrative Procedure 3214, Guidelines for Administering Environmentally Sustainable Practices
- 1.1.3 AB 32; California Global Warming Solutions Act
- 1.1.4 American College & University Presidents' Climate Commitment
- 1.1.5 Draft Foothill College Sustainability Management Plan dated January 2010
- 1.1.6 De Anza College Sustainability Management Plan dated November 2007

1.2 Description and Scope

Foothill-De Anza Community College District is located in the Town of Los Altos Hills, California on Foothill College. The District central services facilities are comprised of 15 buildings totaling approximately 65,000 square feet. The District includes Foothill College located in the Town of Los Altos Hills, California and De Anza College located in the City of Cupertino, California. Foothill College occupies 139 acres and is comprised of approximately 70 buildings totaling 570,000 square feet. De Anza College occupies 112 acres and is comprised of approximately 72 buildings totaling 1,400,000 square feet. Additionally, Foothill College leases facilities in Palo Alto where it operates Middlefield Campus.

One thousand, three hundred and twenty four (1,324) full and part time employees provide educational opportunities to forty three thousand (43,000) full, part-time and non-credit students. The Foothill-De Anza Community College District provides a learning environment that fosters excellence, opportunity and innovation in meeting the educational needs of its diverse students and community.

1.3 Environment Impacts

Foothill-De Anza Community College District uses approximately 2,000,000 square feet of facilities to deliver education to its student and as such consumes a large amount of resources for utilities, operations and construction. Below are the major utilities and operations upon which this plan is intended to focus attention with regard to sustainable practices. The approximate annual quantities of these items are summarized in the following section.

1.4 Waste Streams

ITEM	VENDOR	VOLUME	COST	NOTES
Electricity	PG&E – CNE	18,500,000 kWh	\$2,000,000	
Natural Gas	DGS	1,000,000 therms	\$1,000,000	
ITEM	VENDOR	VOLUME	COST	NOTES
Water	Purissima Hills Water District (FH), San Jose Water Company (DA)	100,000 CCF	\$300,000	
Sewer	City of Los Altos (FH), Cupertino Sanitary (DA)	FTES	\$300,000	
Solid Waste	Los Altos Garbage Company	1,100 tons	\$100,000	
Gasoline	Valley Oil	25,000 gallons	\$90,000	
Diesel	Valley Oil	2,200 gallons	\$10,000	

1.5 Sustainability Team Members

- Andy Dunn, Vice Chancellor Business Services
- Mia Casey, Special Assistant to the President, Foothill College
- Brenda Davis Visas, Director of Facilities and Special Projects, Foothill College
- Donna Jones Dulin, Associate Vice President for College Operations, De Anza College
- Charles Allen, Executive Director of Facilities, Operations and Construction Management (FOCM)
- Mona Voss, Director of Environmental Health and Safety (EHS)
- Frank Nunez, Director of Facilities and Operations (FO)
- Steve Schmidt, Special Projects Coordinator

In addition, each college has environmental working groups as established in their respective campus sustainability plans.

2. Long-Term Goals

2.1 Long-Term Goals

The following long term goals are designed to implement Board Policy 3214, Environmentally Sustainable Practices.

- Reduce energy consumption use as compared to a 2007-08 baseline.
- Design and construct new facilities to meet or exceed LEED Certified Certification.
- Design and construct renovation projects to outperform the current Title 24 Standards.
- Increase self-generated energy capacity.
- Reduce water usage.
- Set District wide guidelines for heating and cooling of facilities.

- Increase the number of District vehicles that run on alternative fuels.
- Minimize waste generation and increase the volume of waste that is diverted from landfills.
- Maximize the use of recyclable material in food service operations.
- Commit our institutions to initiate tangible actions to reduce greenhouse gasses.
- Develop methods to monitor consumption activity and routinely report it to the campus community and at least annually to the Board of Trustees.

3. Short-term Actions and Assignment of Responsibilities

3.1 Action Steps

A key to success of this plan is the vested ownership of specific organizations and individuals at the colleges and in central services to execute the Foothill-De Anza Community College District Sustainability Plan.

Appendix A is a Responsibility Matrix that identifies key sustainability goals for 2009 / 2010 as well as lead and support responsibilities for each. Appendix A identifies tasks to be accomplished in 2009 / 2010 in support of the 2009 / 2010 sustainability goals.

4. Communications

4.1 Objective

Foothill-De Anza Community College District seeks to enhance the sustainability awareness of Students, Faculty, Staff and the community through a program of education, monitoring, and reporting. A District sustainability website has been established at <http://www.fhda.edu/sustainability/>.

4.2 Tracking and Reporting

The Foothill-De Anza Community College District Sustainability Team as listed in Section 1.5 will meet on a quarterly basis to review progress against both long term and annual goals.

The team will develop methods to monitor consumption activity and routinely report it to the campus community and at least annually to the Board of Trustees

Appendix A - 2009 / 2010 Sustainability Goals.

The below is a Responsibility Matrix that identifies key sustainability goals and associated actions for 2009 / 2010 as well as lead and support responsibilities for each.

Long Range Goal	Measured Progress thru 2008 / 2009	2009 / 2010 Performance Metric	2009 / 2010 Action	Responsibility		
				(L) Lead	(S)Support	
				Foothill College	De Anza College	Central Services
1) Reduce energy consumption use as compared to a 2007-08 baseline.	Appendix A1(FH) Appendix A1 (DA)	5% Reduction below 07/08 usage level at each college.	On-going efforts	L	L	S
2) Design and construct new facilities to meet or exceed LEED Certified Certification.	Appendix A2	Design two new facilities to meet or exceed LEED Certified certification.	Complete the design for the Mediated Learning Center at De Anza and the Physical Sciences and Engineering Center facility at Foothill to exceed LEED Certified certification.	L	L	S
3) Design and construct renovation projects to outperform the current Title 24 Standards.	Appendix A3	Preparation of Metrics for this measure will be deferred until 10/11.	On-going efforts.	L	L	S
4) Increase self-generated energy capacity.	Appendix A4	Increase electrical self-generation capacity by 5% on a district wide basis.	Install additional photovoltaic arrays at both Foothill and De Anza College	L	L	S
5) Reduce water usage.	Appendix A5(FH) Appendix A5 (DA)	5% reduction in water usage below 07/08 level	On-going efforts	S	S	L

6) Set District wide guidelines for heating and cooling of facilities.	Appendix A6	Preparation of Metrics for this measure will be deferred until 10/11.	On-going efforts.	S	S	L
7) Increase the number of District vehicles that run on alternative fuels.	Appendix A7	10% increase in vehicles that run on alternative fuels	Purchase the following vehicles that run on alternative fuels: <ul style="list-style-type: none"> - Sedans - ¾ T P/U - 1 T Van - Forklifts - Carts 	S	S	L
8) Minimize waste generation and increase the volume of waste that is diverted from landfills.	Appendix A8	Preparation of Metrics for this measure will be deferred until 10/11.	On-going efforts.	L	L	S
9) Maximize the use of recyclable material in food service operations.	Appendix A9	Preparation of Metrics for this measure will be deferred until 10/11.	On-going efforts.	L	L	S
10) Commit our institutions to initiate tangible actions to reduce greenhouse gasses.	Appendix A10	1) Obtain 20% of purchased electricity from renewable sources. 2) Begin measuring and publicly reporting GHG emissions inventory.	1) Prepare Climate Action Plans in accordance with the Presidents Climate Commitment guidelines 2) Ensure that utility vendor provides at least 20% of electricity from renewable sources. 3) Encourage use of and provide access to public transportation for all faculty, staff, students and visitors at our institution.	L (climate action plan)	L (climate action plan)	L (Utility vendor supplied sustainable power)

11) Develop methods to monitor consumption activity and routinely report it to the campus community and at least annually to the Board of Trustees.	Appendix A11	Document methods to monitor consumption activity and reporting requirements.	Incorporate requirements in District and College Sustainability Plans	L	L	S

Measured Progress thru 2008 / 2009

Appendix A1; Reduce energy consumption use as compared to a 2007-08 baseline

Appendix A2; Not Used.

Appendix A3; Not Used.

Appendix A4; Increase self-generated energy capacity.

Appendix A5; Reduce water usage.

Appendix A6; Not Used.

Appendix A7; Increase the number of District vehicles that run on alternative fuels.

Appendix A8; Minimize waste generation and increase the volume of waste that is diverted from landfills.

Appendix A9; Not Used.