

**ACADEMIC SENATE
of
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
San Luis Obispo, CA**

AS-734-11

RESOLUTION ON GREEN CAMPUS PROGRAM

1 **Background:** The CSU (CSU Executive Order 987) has mandated the reduction of resource and energy
2 usage across the CSU system including all campuses. Facility Services has done an excellent job of reducing
3 the campus carbon footprint through the implementation of energy efficiency, water conservation, recycling,
4 alternative transportation, sustainable procurement and resource use reduction initiatives.
5

6 Facility Services in collaboration with the Alliance to Save Energy has established a Green Campus Program
7 (www.afd.calpoly.edu/greencampus) on the Cal Poly campus. The intent of this program is to implement
8 energy and water conservation projects and programs, support green workforce development and to
9 accomplish behavioral change through educational outreach to students, faculty and staff. Cal Poly's Green
10 Campus team includes five paid student interns and a number of additional student volunteers working for
11 academic credit. Dennis Elliot, the Assistant Director of Energy, Utilities, and Sustainability for the Facilities
12 Department, advise the team of students. The program has been highly successful in reducing resource and
13 energy usage in the residence halls and is extending into areas of the University's Administration and Finance
14 Division (AFD) (www.afd.calpoly.edu/sustainability/metrics.asp). The Alliance to Save Energy Green
15 Campus Program is funded by the ratepayers of California under the auspices of SCE, PG&E, and Sempra
16 Energy.
17

18 The academic departments have had a limited role in reducing resource and energy usage on the campus. It is
19 the intent of this resolution to invite academic departments to actively participate in the Green Campus
20 Program effort to reduce resource and energy usage. Any academic department can initiate the certification
21 process at minimal cost by appointing a departmental contact to work with a Green Campus intern. Dennis
22 Elliot estimates that the departmental contact's time commitment will be approximately one day per quarter.
23 The intern will conduct an audit to establish a baseline sustainability footprint after which a department can
24 determine whether it wishes to pursue certification. Some of the potential savings identified during the audit
25 are expected to accrue to the department. Departments wanting information or wishing to initiate the process
26 can contact the Green Campus Program via email at greencampus@calpoly.edu.
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29 WHEREAS, Assembly Bill 32, the California Global Warming Solutions Act of 2006, mandates that
30 California reduce its greenhouse gas emissions to 1990 levels by 2020; and
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32 WHEREAS, State Executive Order S-3-05 mandated that greenhouse gas emissions be reduced to 80%
33 below 1990 California levels by 2050; and
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35 WHEREAS, The CSU in Executive Order 987 has mandated the reduction of resource and energy usage
36 for the CSU system as well as the campuses; and
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38 WHEREAS, The source of carbon emissions on campus come primarily from utility energy use for
39 heating, cooling and lighting, water use, fuel use for commuting, travel and the campus
40 vehicle fleet, procurement, and material and resource consumption; and
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42 WHEREAS, Facility Services has done an excellent job of reducing resource and energy usage on the
43 campus; and
44
45 WHEREAS, Facility Services, in collaboration with the Alliance to Save Energy, has established a Green
46 Campus Program; and
47
48 WHEREAS, The Green Campus Program is actively working with and has been highly successful in
49 reducing resource, energy and water usage in University Housing, ASI, Cal Poly
50 Corporation, Campus Dining, student clubs and Student Life & Leadership; and
51
52 WHEREAS, The Vice President of Administration and Finance has endorsed the Green Campus
53 Certification process and has directed every department within AFD to designate a
54 sustainability mentor and to pursue Green Campus Certification; and
55
56 WHEREAS, The academic departments have had a limited role in reducing resource, energy and water
57 usage on the campus; and
58
59 WHEREAS, Facilities Services has offered to provide assistance to academic departments in order to
60 extend the Green Campus Program to academic departments; and
61
62 WHEREAS, The Green Campus Program has developed the Green Campus Certification process that
63 creates awareness and recognition for the adoption of sustainable practices that conserve
64 energy and water, reduce resource use, promote increased recycling and use of alternative
65 transportation; and
66
67 WHEREAS, Many of the strategies employed in the Green Campus Certification process could help to
68 reduce program costs to the academic departments by reducing resource and energy usage;
69 therefore be it
70
71 RESOLVED: That the Academic Senate support the Green Campus Program by encouraging all
72 administrative and academic units to pursue Green Campus Certification; and be it further
73
74 RESOLVED: That the Academic Senate encourage all academic departments to provide opportunities for
75 student participation in the certification process through service learning and/or academic
76 credit as decided by the department so that the resource costs may coincide with the
77 department's program learning objectives; and be it further
78
79 RESOLVED That informational and logistical support for the academic departments shall be provided by
80 Facility Services, the Green Campus Program, and the Academic Senate Sustainability
81 Committee.

Proposed by: Academic Senate Sustainability Committee
Date: May 2 2011
Revised: May 16 2011
Revised: May 26 2011

Sustainability Mentor Program

“Green Campus Certified”

Certification Checklist

Updated May 12, 2011

The following document describes the Cal Poly Green Campus Certification program for workplaces. This program is intended to provide a framework and guidance for individual offices, departments, buildings, divisions, or colleges to implement and reinforce sustainable practices in day to day operations and planning. The certification program addresses the areas of:

- Administration
- Energy Conservation
- Water Conservation
- Recycling and Waste Reduction
- Purchasing
- Transportation

Certification is voluntary, and is accomplished by implementing and documenting sustainability initiatives in the areas described. Items identified as prerequisites are required for all certification submissions, and all other points are optional. Submissions will be evaluated by the Green Campus Program and Facility Services. Certification will be awarded based on the number of points achieved, and will be recognized with a framed certificate and announcements in:

- The Cal Poly Sustainability website www.sustainability.calpoly.edu
- The Green Campus Program website www.greencampus.calpoly.edu
- The Green Campus Program monthly newsletter, and
- The Cal Poly Report.

Departments wishing to start the certification process should send a request via email to greencampus@calpoly.edu, and identify the contact person within their department. The Green Campus team manager will respond and arrange an initial meeting to explain the certification process and help the department get started. There are a total of 55 points possible, of which 18 are prerequisites, and 37 are optional. The levels of certification are:

Green Campus Certified:	27 points
Green Campus Certified - Silver:	32 points
Green Campus Certified - Gold:	37 points
Green Campus Certified - Platinum:	42 points

Many of the required prerequisites are based on existing State or CSU Policy, such as CSU Executive Order 987, which is the “Policy Statement on Energy Conservation, Sustainable Building Practices, and Physical Plant Management for the California State University”. This document may be viewed at <http://www.calstate.edu/eo/EO-987.html>.

Many measures are intended to be low cost or no cost, such as behavioral changes and reduction of paper usage. Some will reduce the operating cost of the department. For the measures that require funding to retrofit overhead lighting or plumbing fixtures, Facility Services will bear the cost of these retrofits in state funded buildings as time and resources allow. For non-state funded buildings, expenses will be borne by the department. For expenses that are optional (such as purchasing LED task lamps or an energy star refrigerator) departments may choose to implement these at their own cost.

Resultant dollar savings will be realized by the entity currently paying for the expense, i.e. departments will realize direct budget savings due to reduction of paper use, printer ink, toner, etc. In state funded buildings, Facilities pays all utility expenses and will receive the related utility savings and rebates for reinvestment in additional conservation projects. Auxiliary organizations that are recharged for utility expenses will receive the utility savings and any applicable rebates.

The work load for Sustainability Mentors will vary depending upon the number of initiatives implemented, and the size and culture of the department. To date, Sustainability Mentors have experienced approximately one day of work to complete the data collection and certification process, spend approximately one hour a month maintaining programs and disseminating information, and attend one meeting a month to share best practices with other departments.

Administration

- **Prereq A1: Establish a contact person within the department to be the “Sustainability Mentor.”**

This person will be responsible for coordinating sustainability initiatives for the department, disseminating information to department personnel regarding energy and water conservation, recycling, and waste reduction. This person will be the primary point of contact for working with the Green Campus Program and Facility Services in the effort to achieve certification.

- **Prereq A2: Document and maintain all policies and procedures related to these initiatives and include in new employee orientation.**

Provide copies of all documentation with certification submission.

- **Prereq A3: Report all space usage that requires HVAC outside of normal business hours (M-F 7:00 am to 5:00 pm) to the University Scheduling office.**

This allows Facilities to schedule the Campus Energy Management System to operate building systems only during the hours they are needed. Class scheduling should be reported to University Scheduling at 756-2461 or classschedule@calpoly.edu. Event scheduling should be reported to 756-5550 or events@calpoly.edu. The main University Scheduling website can be found at <http://www.universitiescheduling.calpoly.edu/>.

- **Prereq A4: Post and maintain educational signage in the work place to foster sustainable behaviors regarding energy and water conservation, recycling and waste reduction.**

For signage and ideas, see the Green Campus Program and <http://www.recyclereminders.com/>. Provide summary of signage implemented, with electronic copies of any special signs created for sharing with other departments.

Energy Conservation

- **Prereq E1: Complete a Green Campus energy audit**

An energy audit is an inspection, survey and analysis of energy usage in a building, to identify opportunities for conservation.

- Green Campus Program will perform the audit at no charge.
- Green Campus Program will provide a report recommending changes to reduce energy and water consumption, improve recycling, and decrease waste.
- Department will implement as many savings recommendations as are feasible, and develop a written plan to implement additional recommendations over the next 12 months.

- **Prereq E2: Implement power management settings on all computer workstations and laptops**

- For departments within the Administration and Finance Division, Facility Services provide Bigfix power management software and support free of charge. Bigfix is a software product that allows IT staff to implement and manage computer power settings across an entire network to achieve and measure substantial energy savings, and is compatible with Windows, Mac, and Linux operating systems. For general information about Bigfix, see <http://www.bigfix.com/content/power-management>. For information about how Bigfix is used and supported within AFD, see <https://www.afd.calpoly.edu/ants/powermanagement.asp?pid=2>.

- For all other divisions, colleges, and departments on campus, ITS offers an alternate solution for Windows machines using Microsoft Configuration Manager. Software and support is free of charge for departments that currently have an ITS Service Level Agreement.
- Departments may also implement power management settings manually on each individual machine, but must provide documentation that power settings were implemented, and have a written plan to maintain them and ensure they are implemented on all new machines.

- **Prereq E3: Implement power management settings on network printers and copiers**

Network copiers and printers should be configured to go into “sleep” mode or shut down outside of normal office hours, if capable. See individual machine’s owners manual and/or consult with department IT staff.

- **Prereq E4: Compact Fluorescent Lightbulb (CFL) Retrofit**

- Replace all incandescent lamps with CFL or LED.
- Facilities will exchange existing incandescent lamps with CFL’s free of charge. Departments can take their existing lamps to the State Custodial Warehouse on campus at building 70A for exchange, or can submit a service request to Facilities at x65555.
- Eliminate halogen torchieres. Halogen torchieres are portable upright lamps that generally use 300-watt halogen bulbs. These should be replaced with CFL or LED.

- **Prereq E5: Follow Executive Order 987 guidelines for thermostat settings**

- For areas where users have control over thermostat settings, the department will implement a procedure to adjust thermostats seasonally in accordance with CSU Executive Order 987:
 - 68 degrees heating (Winter)
 - 78 degrees cooling (Summer)
 - These requirements are applicable to all spaces except in the case of specific programmatic needs such as for specialized lab equipment.
- For spaces that have programmable thermostats, the department will program the thermostat schedule based on the occupancy of the building to minimize run hours.
- If the thermostat does not have capabilities for scheduling, it should be replaced with an Energy Star certified model.

- **Prereq E6: Keep doors and windows closed**

As per CSU Executive Order 987, departments will establish procedures and assign responsible persons to keep exterior doors and windows closed when heating or cooling is taking place in buildings.

- **Prereq E7: Turn Off the Lights**

One of the greatest ways for the campus to save energy is to turn off lighting that is not being used. Departments will establish procedures and assign responsible persons to turn off the lights at the end of the business day, as well as reminding all users to turn off lights when they leave a room.

- **E8: Eliminate personal heaters and fans**

As per CSU Executive Order 987, personal heaters and fans are not permitted for use in state buildings, unless the building HVAC system is not able to maintain the building temperature between 68 and 78 degrees, or if necessary for medical reasons.

- **E9: Eliminate all Cathode Ray Tube (CRT) computer monitors**

CRT monitors use substantially more energy than modern flat panel displays and do not meet Energy Star performance requirements. Replace all CRT monitors with Energy Star rated LCD flat panel monitors.

- **E10: Implement server virtualization**
 Server virtualization is the sharing of server resources and reduction of the number of individual physical servers, processors, RAM and other hardware needed. This reduces the power consumed by each server while making an individual server more efficient. Additionally, this reduces the waste generated once physical servers need replacement.
- **E11: Eliminate or reduce personal printers**
 The cost per sheet for printing via small desktop printers is more than double that of a large network copier/printer. Personal printers also typically do not have the capability to go into sleep mode when not in use. Departments should strive to eliminate as many personal printers as feasible, except where network printers are not available, or personal printers are required for confidentiality reasons.
- **E12: Eliminate or reduce mini fridges**
 Individual mini refrigerators in private offices are typically much larger than needed for one person, and are not as energy efficient as a full size refrigerator. Departments should eliminate multiple mini fridges and consolidate usage into a single department refrigerator that is Energy Star rated. See: http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=RF
- **E13: Eliminate window A/C units**
 Window air conditioning units use approximately twice as much energy as central building AC systems, and do not comply with Facility Services air conditioning policy. Window AC units do not have control capability for integration with the campus Energy Management System, or the ability to be programmed with a schedule.
- **E14: Reduce “Phantom Loads”**
 Phantom loads are the electric power consumed by appliances while they are plugged into outlets, even if they are switched off or in a standby mode.

 - Unplug chargers for cell phones and other personal devices.
 - Use power strips for desktop printers/scanners, speakers, appliances, and turn off when not in use, or use “smart strips”, which can turn devices off automatically.
- **E15: Replace task lighting with high efficiency or LED lighting**
 If individuals use desktop lamps or under cabinet task lighting in workspaces, they must be high efficiency fluorescent or LED. Use of task lighting and natural light is encouraged to reduce the need for overhead general area lighting. See: <http://www.finelite.com/products/pls-overview>
- **E16: Retrofit building lighting with high efficiency lighting**
 In addition to eliminating incandescent lighting, retrofit overhead linear fluorescent lighting to implement the latest campus standard of 25W fluorescent lamps with a color temperature of 4100K. This reduces energy usage by approximately 20%, and provides better visual acuity for reading and task work in an office or classroom environment.
- **E17: Install occupancy sensors in all classrooms, labs, and offices**
 Occupancy sensors automatically turn off lights when rooms are not being used, reducing energy use by an average of 30-40%.
- **E18: Unplug refrigerated drinking fountains**
 Refrigerated drinking fountains consume electricity around the clock to keep their storage reservoir of water cold. Departments can save energy by unplugging drinking fountains and getting their drinking water at room temperature.

Water Conservation

- **Prereq W1: Eliminate or retrofit any equipment with “once through cooling”**

Some laboratory and process equipment is designed to use water cooling, and some older equipment was designed to use “once through” cooling, where a potable water supply is connected to the device to provide cooling water, and after being used is discharged directly to the sewer. Some equipment allows this cooling water to run continuously, whether needed or not. This equipment should be evaluated to determine if it can be eliminated, if another cooling option is available, if the manufacturer has a retrofit kit available to reduce water waste, or if the equipment should be replaced with a more modern unit that does not waste water.

- **W2: Low flow plumbing fixtures**

Retrofit restrooms with low flow plumbing fixtures to reduce water usage, including toilets, urinals, faucets, and showerheads. The use of low flow plumbing fixtures can reduce building water usage by as much as 75%.

- **W3: Sign “Take Back the Tap” pledge**

“Take Back the Tap” is an initiative created by the non profit organization Food and Water Watch, intended to educate consumers about the cost, safety and environmental impact of consuming bottled water instead municipal tap water. The Green Campus Program, Empower Poly Coalition, and Zero Waste club are working to educate the campus community about these issues to reduce the use of bottled water and renew our commitment to safe affordable tap water at Cal Poly. Green Campus recommends using stainless steel or BPA free plastic and will provide a reusable container to any personnel that need one. To achieve this point, 50% of all department members must sign the pledge.

For individuals and departments, the pledge is available at:

http://action.foodandwaterwatch.org/p/dia/action/public/?action_KEY=2673

For campus food service locations, the pledge is available at:

http://action.foodandwaterwatch.org/t/6061/petition.jsp?petition_KEY=956

- **W4: Replace Reverse Osmosis (R.O.) Units with filtration units**

Reverse osmosis units waste about 75% of the water processed, and are unnecessary to produce safe drinking water. Filtration units can be as effective at removing many contaminants, are much more cost effective, and waste no water. See:

<http://www.foodandwaterwatch.org/water/bottled/choosing-a-water-filter/>

Recycling and Waste Reduction

- **Prereq R1: Proper disposal/recycling of hazardous waste**

Department will establish procedures and train personnel on proper disposal of hazardous waste:

- **Batteries**

Batteries may be recycled by placing in an envelope and mailing to the State Warehouse.

- **Toner/Ink cartridges**

Used Toner Cartridges are recycled by Distribution Services. Please place the used cartridge back in the packaging your new cartridge came in (sealed manila envelopes are also OK), and place next to your mail pickup location. Please *do not* drop them in the campus mail.

- **Compact Fluorescent Lamps (CFL)**

Compact Fluorescent Lamps contain a small amount of mercury and should be delivered to the State Warehouse for proper disposal. Broken lamps must be cleaned up by properly trained personnel from Facility Services (x65555) or the Environmental Health and Safety Office (x66661).

- **Chemicals**

Chemical Waste is handled by the Environmental Health and Safety office, which can be reached at x66661. EH&S also runs a chemical reuse program to reduce the volume of

chemical waste disposal, by making lab chemicals available to other departments, as long as they are still in good condition, and in properly sealed and labeled containers.

- **Prereq R2: Recycling bins**

- Department shall have recycling bins available for all personnel, whether located centrally, or in each room. Bins may be requested from Facility Services at x65555.
- There must be a recycling container available at every location where there is a trash receptacle.

- **Prereq R3: Signage for what is/is not recyclable**

- IS recyclable:
 - Cardboard
 - Envelopes (even with windows)
 - Junk mail
 - Magazines
 - Newsprint
 - Stapled paper
 - Most plastics (for #6 – clear plastic polystyrene IS recyclable, white Styrofoam is not)
 - All empty beverage containers: glass, plastic and aluminum.
- IS NOT recyclable:
 - Aerosol cans
 - Ceramic materials
 - Food
 - Hazardous material
 - Kleenex
 - Incandescent light bulbs
 - Wax coated paper cups
 - Paper towels
 - Squeezable paper juice containers
 - Styrofoam cups and plates
 - Wax paper.
- For ready made signage contact the Green Campus Program at greencampus@calpoly.edu.

- **Prereq R4: Use e-surplus for reuse of equipment, furniture, etc.**

Cal Poly operates an on line surplus equipment sale program. The Public Surplus auction site is used to resell surplus equipment such as computers, furniture, lab equipment, light fixtures, tools, vehicles, audio/video equipment, and unclaimed lost and found items. The program generates approximately \$10,000 per month in revenue, which is reinvested in recycling and other sustainability efforts at Cal Poly. Rather than disposing of used equipment and furniture in the trash, contact the E-Surplus office at x65449 to arrange pick up of unwanted items. In addition, all surplus items held by e-surplus are available to campus departments for reuse at no charge, even if already listed for auction. Surplus items for auction may be viewed at <http://www.publicsurplus.com/>.

- **R5: Default 2-sided printing on all copiers and printers**

To reduce paper usage, configure printer preferences for all personnel to use 2 sided printing as a default print setting.

- **R6: Composting of food waste - office worm bin**

Composting is a method for treating solid waste in which organic material is broken down by microorganisms in the presence of oxygen to a point where it can be safely stored. Worm composting is a method for recycling food waste into a rich, dark, earth-smelling soil conditioner. See: <http://www.wikihow.com/Make-Your-Own-Worm-Compost-System>. Departments may choose to purchase a worm bin for office use, and with permission from the groundskeeper assigned to the area, may dispose of compost in campus planter beds. Note: to avoid possible damage to carpets or floors, worm bins must be kept outdoors.

- **R7: Select “zero waste” option for catered events**

To make an event zero waste: Request the Zero Waste option from Campus Catering. Use all reusable or compostable utensils, dishes, and cups. Use no packaged products (sugar, butter, salt, pepper, condiments). Collect all waste for either recycling or composting. Additional information and support is available from the student Zero Waste Club, which can be reached at zero.waste.club@gmail.com.

- **R8: Paperless communication and document storage**

To reduce paper consumption, departments are encouraged to implement business practices that rely on electronic communication and document storage, rather than printed paper. To qualify for this point, the department must evaluate current processes, and convert as many manual paper-based processes to electronic as possible. For certification, documentation should include an estimate of the number of sheets of paper saved annually.

- **R9: Install high efficiency hand dryers**

High efficiency electric hand dryers can replace the use of paper towels in public restrooms. Eliminating paper towels saves the University on purchasing, stocking, delivery, disposal and housekeeping costs – reducing total operating expenses by over 90%. Since the manufacturing, transport, and disposal of paper is highly energy and water intensive, switching to paperless also reduces net greenhouse gas emissions by over 90%. See:

<http://www.dysonairblade.com>

<http://www.mitsubishijettowel.com>

Purchasing

- **Prereq P1: Energy Star appliances**

In accordance with California Governor’s Executive Order S-20-04, establish department procedure that all new purchased office equipment and appliances shall be Energy Star rated.

- Information on Energy Star appliances can be found at http://www.energystar.gov/index.cfm?c=products.pr_find_es_products.
- Applies to all refrigerators, computers, printers, monitors, copiers, washers, dryers, digital projectors, televisions, ceiling fans, air filters, etc.

- **Prereq P2: Use minimum 30% recycled content paper**

In accordance with State of California purchasing requirements, all office paper ordered through the Office Max contract meets this minimum requirement.

- **P3: Replace non Energy Star appliances**

Develop a written plan to eliminate or replace all existing appliances over five years old with Energy Star.

- **P4: Use 100% recycled paper**

Departments may opt to order higher recycled content paper products through Office Max. Testing performed by Facility Services with 100% recycled content paper found no discernable reduction in print quality, and no negative impact on printer reliability.

- **P5: Use rechargeable batteries rather than disposable**

For office devices and equipment, rechargeable batteries are available in all standard sizes, and can be recharged hundreds of times before needing to be replaced.

- **P6: Purchase in bulk or “right size”**

Rather than buying quantities of one or two commonly used items, order full package or case quantities and stock up. This reduces the cost per unit, saves time, and reduces packaging waste. If there are multiple offices or departments in close proximity, consider developing an office supply sharing system. If bulk purchase quantities will result in supplies expiring or become obsolete before use, determine the optimal purchase quantities that meet your needs.

Transportation

- **T1: Web Conferencing**

To reduce lost work time and travel expenses related to off campus meetings, use web conferencing instead. Contact your department IT staff for technical support.

- **T2: Telecommuting Option**

To reduce commuting travel to and from campus, develop a department procedure that offers a telecommuting option for appropriate job classifications, in a manner that does not negatively impact campus operations or levels of service. To view Cal Poly Human Resources Telecommuting Policies, see: <http://www.afd.calpoly.edu/hr/policies.asp?pid=10&id=T>
<http://www.afd.calpoly.edu/hr/forms.asp?form=20#telecommute>

- **T3: Alternative Transportation Pledge for Commuters – 25%**

A minimum of 25% of department personnel must sign a pledge to use alternative transportation methods to commute to and from campus at least 4 days a week. This includes commuting by bus, bicycle, carpool, or vanpool. See the UPD Options program for commuters at: http://www.afd.calpoly.edu/police/commuter_services_commuting.asp?pid=1&subid=3.

- **T4: Alternative Transportation Pledge for Commuters – 50%**

A minimum of 50% of department personnel must sign a pledge to use alternative transportation methods to commute to and from campus at least 4 days a week. This includes commuting by bus, bicycle, carpool, or vanpool. See the UPD Options program for commuters at: http://www.afd.calpoly.edu/police/commuter_services_commuting.asp?pid=1&subid=3.

- **T5: Alternative Transportation Pledge for Commuters – 75%**

A minimum of 75% of department personnel must sign a pledge to use alternative transportation methods to commute to and from campus at least 4 days a week. This includes commuting by bus, bicycle, carpool, or vanpool. See the UPD Options program for commuters at: http://www.afd.calpoly.edu/police/commuter_services_commuting.asp?pid=1&subid=3.

- **T6: Alternative Fuel Fleet Vehicles – 25%**

Replace department vehicles with alternative fuel vehicles – rechargeable electric, hybrid, or biodiesel.

- **T7: Alternative Fuel Fleet Vehicles – 50%**

Replace department vehicles with alternative fuel vehicles – rechargeable electric, hybrid, or biodiesel.

- **T8: Alternative Fuel Fleet Vehicles – 75%**

Replace department vehicles with alternative fuel vehicles – rechargeable electric, hybrid, or biodiesel.

- **T9: No Fleet Vehicles**

This credit is to recognize departments that have no fleet vehicles, or have eliminated all fleet vehicles.

Innovation

Departments are encouraged to come up with their own ideas for creative ways to conserve energy and water, reduce waste, and reduce the campus' environmental footprint. For initiatives not covered elsewhere in the program, departments may earn up to 5 points for innovation. For consideration, submission must include a summary of the initiative, quantify its savings or impacts in the categories listed above, and document how it will be sustained.

- **I1: Innovative program number 1.**
- **I2: Innovative program number 2.**
- **I3: Innovative program number 3.**
- **I4: Innovative program number 4.**
- **I5: Innovative program number 5.**

State of California
Memorandum

CAL POLY

SAN LUIS OBISPO
CA 93407

To: Rachel Fernflores
Chair, Academic Senate

Date: June 28, 2011

From: Jeffrey D. Armstrong
President



Copies R. Koob

Subject Response to Academic Senate Resolution AS-734-11
Resolution on Green Campus Program

I formally acknowledge receipt of the above-entitled Academic Senate resolution.

Please convey my appreciation to the committee members for their work on this issue.