

Bellevue Climate Action Plan – June 1, 2010

PROGRESS REPORT – July 2012

PROGRESS REPORT – Dec. 2013

Completed for compliance with the President's Climate Commitment

Bellevue College CLIMATE ACTION PLAN

Buildings and Energy Use

Overall Goal: Set a baseline in 2010-11 of energy use per square foot per year. Reduce conventional energy use (fossil fuel) by 3% per year through 2030 and a 2% reduction per year through 2050 over baseline (averaged out in 5 yr increments). The first three years should see the development of new policy governing energy use. (Note that energy savings can result in significant cost savings for the campus.								
	General Strategy	Specific Actions	Assessment	Timeline	Notes	Responsible Party	2011 Update Schedule Phase	Dec. 2013 Update
1	New construction and renovation meets minimum LEED silver standards	A. Create policy	A. New buildings B. Renovations ...certified LEED Silver or better	Presently	BC is already committed to building new buildings to a minimum LEED Silver standard	Capital Projects Manager	On Schedule	New Buildings and Large Already Policy Small Renovations exploring alternatives to LEED
2	Improve building energy efficiency	A. Windows B. Roofs C. Doors D. Insulation	Energy use reduction by building	Replace as revisions are completed - Ongoing	Continually research the best practices in energy efficiency	Director of Campus Operations	On Schedule <i>Facility Action Plan Complete</i>	Building Envelope Explore in 2014 ESCO Audit

3	Improve HVAC system efficiency	A. Set controls to correspond closely to room use B. Upgrade HVAC control system/software	Energy use reduction by building	A. Presently B. 2012		Director of Campus Operations	On Schedule	A. Complete B. N,R,S – Complete A,B – Scheduled All – Priced
4	Improve water heating efficiency	A. Replace water heating with “on-demand” heating B. Reduce leaks and install aerators C. Consider solar water heating units on rooftops	Energy use reduction by building	Ongoing	Can also result in water savings	Director of Campus Operations	Not Started A. <i>Research</i> B. <i>Develop</i> C. <i>Research</i>	B. Complete A. & C. Deferred (Cost-Effectiveness)
5	Improve lighting efficiency	A. Replace bulbs with fluorescent B. Where applicable use LED lighting (and remove ballast)	Energy use reduction by building	A. Presently B. 2020 (if LED proved effective)	Start with “test sites” for effectiveness of LEDs	Director of Campus Operations	On Schedule <i>Project</i>	Complete
6	Install green roof systems on building where feasible	A. Research B. Install on applicable existing buildings C. Include in new buildings		A. 2013 B. 2025 C. Ongoing		Director of Campus Operations	Not Started	A. Not Started B. Not Started C. On Schedule

7	Produce Geothermal energy	A. Consider feasibility of geothermal heating in all new construction	Increase in energy production on campus	Ongoing as new buildings are planned	Will not be possible for all buildings	Capital Projects Manager	On Schedule	On Schedule (T-Building)
8	Produce Solar Energy	A. Feasibility study and grant pursuit for solar energy impact B. Install rooftop solar production for (i) campus or (ii) for 3 rd party C. Create a demo station – charging cell phones, etc.	Increase in energy production on campus	A. 2013 B. 2020 (if feasible) C. 2015	Potential grant or 3 rd party support (may be tied to a certification program in solar energy)	Capital Projects Manager	Ahead of Schedule <i>Research Phase</i>	A. Complete B. Complete C. Not Started
9	Create position in campus operations (Resource Conservation Manager) to coordinate sustainability efforts		Ongoing position-sustainably funded	2010	Funding for first 3 years currently secured	Director of Campus Operations	Complete	Complete
10	Audit energy use in all buildings annually	Install monitoring systems and maintain centralized database		2013	<ul style="list-style-type: none"> This is a tool for assessing the our reductions Will be required by the state 	Director of Campus Operations	Ahead of Schedule	Compete
11	Improved efficiencies in IT	A. Virtualizing servers /cloud computing B. Reducing printing	% reduction in energy use by IT and in computer labs	2015		Dean of Information Resources & Director	On Schedule <i>A. Discussion B. In</i>	A. In process B. In Process C. Complete D. In process E. Complete

		<ul style="list-style-type: none"> C. Centralized power down software D. Server & personal comp. upgrades E. Green IT purchasing policy F. Create Green IT job duties in IR G. Develop purchase tools for energy monitoring 				of Computer Services	<ul style="list-style-type: none"> <i>progress</i> <i>C. In progress</i> <i>D. Discussion</i> <i>E. Discussion</i> <i>F. Not started</i> <i>G. Not started</i> 	<ul style="list-style-type: none"> F. Not started G. Deferred (IR)
1 2	Reduce computer (and accessory) energy use	<ul style="list-style-type: none"> A. Create purchasing policy (Energy Star+) B. Replace equipment on regular schedule with low energy models C. Use "smart strips" to shut off accessories D. Educate users (remove screen savers, etc.) E. Explore alternate computer systems (grid computing, virtualization, etc.) 		<ul style="list-style-type: none"> A. 2013 B. With equipment replacement cycle C. 2013 D. 2013 		Dean of Information Resources & Director of Computer Services	<ul style="list-style-type: none"> On Schedule <i>A. Develop</i> <i>B. In progress</i> <i>C. Discussion</i> <i>D. In progress</i> 	<ul style="list-style-type: none"> A. Complete B. In Process C. Not started D. In Process E. In Process

1 3	Improve appliance (including small appliances as well as, vending, kitchen, and printing equipment) efficiency	A. Create purchasing policy (Energy Star +) B. Replace appliances as needed with low energy models C. Power reduction on vending machines		A. 2013 B. With equipment replacement cycle C. Presently	Assess regularly and update	VP of Admin Services	On Schedule A. <i>Develop</i> B. <i>Discuss</i> C. <i>Complete</i>	A. Not started B. Not started C. Complete
1 4	Eliminate unnecessary office appliances	A. Evaluate need for and create policy on office appliances (heaters, fridges, etc.) B. Provide office grants to support improvements		2013	Assess regularly and update	VP of Admin Services	On Schedule A. <i>Develop</i> B. <i>Discussion</i>	A. In process B. In process
1 5	Conduct private and shared office energy audits to educate employees on energy saving practices			2011	These would also be educational opportunities for students	EAC & Interior Design Program	On Schedule <i>In Progress</i>	A. Attempted / Deferred
1 6	Purchase green energy			As needed to offset necessary energy use	Carefully research sources – this should be temporary measure or last choice when other options are available	VP of Admin Services	No Schedule	Not Started (with T Building?)

1 7	Schedule classes and events during “low-use times” (early morning, weekends, etc.) in limited areas to reduce area that must be heated, etc.	A. Create events policy B. Add “offset” fee to events C. Coordinate room use		2013		Exec. Dean of Instruction and Director of Campus Ops	On Schedule A. <i>Complete</i> B. <i>Not scheduled</i> C. <i>Complete</i>	A. Informal B. Not Started C. Attempted
--------	--	--	--	------	--	--	---	--

**Bellevue College
CLIMATE ACTION PLAN**

Transportation

Overall Goal: Set a baseline in 2010-11 of single occupancy vehicle commuting and carbon emissions from college vehicles and travel miles. Reduce single occupancy vehicle commuting and carbon emissions from campus vehicles and other travel by 2% per year over baseline (averaged out in 5 yr increments). This would result in an 80% reduction by 2050. The first three years should see the development of new policy governing transportation.

	General Strategy	Specific Actions	Assessment	Timeline	Notes	Responsible Party	2011 Update	2013 Update
1	Evaluate and modify class schedule to encourage reduced trips to campus	A. Research current practice B. Create policy C. Promote w/program chairs D. Promote with students E. Create degrees/certifications that can be 100% CTR	10% offerings as CTR classes Offer 5-10 all CTR degrees certification	A. 2012 B. 2013 C. 2013 D. 2013 E. 2015		Dean of Instruction (Program Chairs)	On schedule <i>Not started</i>	Not started
2	Evaluate impact of hybrid and distance ed classes on energy use and modify offerings as appropriate	A. Evaluate impact B. Modify offerings		A. 2012 B. 2014		Dean of Instruction	On schedule <i>Not started</i>	Not started
3	Provide incentives for students to use flexible and trip reduction schedules (3 days or less a week)	A. Hire Commute Trip Reduction (CTR) coordinator		2010		VP of Admin Services	Complete	Complete

4	Promote and facilitate flexible work schedules (3 or 4 day weeks) and telecommuting	A. Evaluate possibilities in different parts of campus B. Increase options for employees	20% increase in flex-schedules	A. 2012 B. 2014	Promotes cross-training	VP of Admin Services & VP of HR	On schedule	Attempted
5	Implement visible, paid parking for entire community (no longer subsidize parking)	A. Hire CTR Coordinator B. Conduct a cost/benefit assessment of "free" parking vs. transit options C. Create new policy and price scale to discourage parking use. And explicitly value parking spots and maintenance costs associated with parking D. Educate community E. Place funds raised back into sustainability efforts on campus.	Decrease in SOV and increase in alternative commuting options through a yearly survey conducted by CTR coordinator.	Phase in gradually over 5 year period	Work with unions Has to be after state economy recovers	VP of Admin Services	Complete	Complete
6	Subsidize bus passes for all community members	A. Employees B. Students C. Educate users		A. Presently (expand) B. 2015 C. Ongoing		VP of Admin Services	On schedule	In Process
7	Promote and encourage busing	A. Put bus stops and street names on maps B. Make information more available C. Provide incentives				VP of Admin Services	Complete	A. Complete B. Complete C. Complete

8	Improve incentives for bus/carpool/biking/walking (5 free parking passes a quarter for non-solo drivers, more carpool spots, etc.)	A. Create new policy B. Change carpool to 2 riders per car	% increase in alternate commuting	A. 2013 B. 2011		VP of Admin Services	Behind schedule	Attempted (Deferred)
9	Hold community events to promote commuting alternatives	A. Hire CTR Coordinator	Increase in community events.	Ongoing		VP of Admin Services	Complete	In Process
10	Implement Rideshare system (software, coordination center, etc.)	A. Hire CTR Coordinator B. Review software programs and market their use. C. Track use and encourage people to create community with rideshare. D. 3. Include centralized tracking system to monitor all tracking miles.	% increase in rideshare	2013	Info in new employee information	VP of Admin Services	Complete	Complete
11	Implement shuttle system during peak times	A. Shuttle in AM to local high schools B. Peak-time shuttles to Park and Rides and Centralized locations		2015	Find out how many running start students go between campuses and when	VP of Admin Services	On schedule	Exploring (Van-Share)
12	Provide Flexcar options on campus	A. Provide options B. Free membership for transit users and bikers		2013		VP of Admin Services	Complete	Complete
13	Encourage alternate fuel and LEFE vehicles	A. More LEFE spots in prime locations B. Electric car charging stations	% increase in alternate fuel vehicles	2015		VP of Admin Services	On schedule <i>In progress</i>	Complete

14	Make biking to campus more attractive	A. Start "Bike Club" with benefits B. Bike lanes C. Bike racks D. Free flexcar membership E. Free gym privileges (showers, lockers, etc.) F. Bike-lending program G. Bike-repair and supplies (at cost) on campus H. Implement "buddy rides" I. PE Credit for biking	Survey bikers for needs and follow up survey to stay current	2012		VP of Admin Services	On schedule <i>A. Complete</i> <i>B. Research</i> <i>C. Complete</i> <i>D. Deferred</i> <i>E. Complete</i>	A. Attempted B. In Process C. In Process D. Deferred E. Complete F. In Process G. Complete H. Not started J. Not started
15	Discourage idling of engines in parking lots	Create "no idling" policy	Reduction in citations for idling	2013		VP of Admin Services	On schedule	Not Started
16	Research solutions for reducing "gridlock" on campus at class breaks		Reduce travel time to cross campus at class breaks		Overhead walkways, traffic lights, additional lanes near traffic circle, etc. Mostly short-term solution	VP of Admin Services	On schedule <i>In Progress</i>	Deferred
17	Work at state level (with other colleges) to improve commuting incentives (e.g., tuition credit, etc.)		Increased commuting incentives for community college members.	Ongoing		VP of Admin Services	On schedule <i>In Progress</i>	In process
18	Transit Technology Solutions (I-phone aps to monitor buses/shuttles, etc.)	A. Monitor traffic, B. Flexcar availability, C. Bus schedules (real-time), etc.		2015	Technology may be marketable	VP of Information Technologies	On schedule <i>In Progress</i>	Complete

19	Policy and coordination with the city for no new net increase in parking spaces (eventual reduce spaces)			2013	Eventually reduce # of spaces	VP of Admin Services	Complete	Complete
20	Conduct a biannual transportation survey	A. Hire CTR Coordinator.		Ongoing		VP of HR	Complete	Complete
21	Design PT schedules to involve 1 trip to campus/day	A. Research current practice B. Create policy C. Promote w/program chairs	Improved FT/PT ratio and increased % of PT faculty requiring only one trip to campus	Ongoing	May try to coordinate with other colleges	Executive Dean of Instruction		Not Started
22	Provide more services on campus to reduce trips and need for SOV (bank, post office, hair stylist, employee lounge, etc.)	A. Research possibilities B. Start with 1 or 2 and expand		2012 Ongoing	Houses?	VP of Admin Services	On schedule <i>In Progress</i>	Not Started
23	Create centralized tracking system to monitor all college related travel miles	A. Air travel B. College vehicles C. Non SOV (bike, carpool, etc.)		2013	Rideshare and centralized tracking system should likely be same system. Part of employee login Has to be easy	Director of Financing and Dean of IT	Complete	Complete (Finance)
24	Increase and encourage teleconferencing	A. More teleconferencing "areas" available B. Be a leader in hosting teleconferencing C. Approval required for	Reduction in air travel miles per year	2013	Carefully research offset purchases (offsets could be applied to campus)	VP of Admin Services	On Schedule <i>Not started</i>	Not Started

		all conference related travel D. Educate community E. Include an additional fee on air travel to offset emissions						
25	Replace college fleet with alternate fuel and LEFE vehicles		% decrease in conventional vehicles in fleet to 0%	Ongoing as replacements occur		Director of Campus Ops	On Schedule	Deferred (Few heavy duty options, small vehicles electric)

**Bellevue College
CLIMATE ACTION PLAN
Purchasing, Waste and Other Strategies**

Overall Goal: Set a baseline in 2010-11 of waste production per square foot per year. Reduce solid waste production by 5% per year over baseline (averaged out in 5 yr increments) for first ten years (50% reduction). Continue to reduce waste with a goal of reaching a 75% reduction by 2030 and 100% by 2050. The first three years should see the development of new policy governing purchasing and waste.								
	General Strategy	Specific Actions	Assessment	Timeline	Notes	Responsible Party	2011 Update	2013 Update
1	Eliminate CFC use in refrigerants	Replace coolants and coolant systems and with CFC-free alternatives.	Amount of CFC purchased annually reduced to zero	2020		Director Campus Ops	On schedule	On schedule
2	Research and implement composting plan and educate campus for correct use	A. Research composting plan B. Implement composting in Student Union (outside pickup)	Increase in composted waste (as percentage of total waste) and reduction in landfilled solid waste	A. 2010 B. 2011 C. Ongoing D. 2013 E. 2015 F. 2020		Director Campus Ops & Director of Food Service	On schedule A-D Complete E-F In progress	A. Complete B. Complete C. In Process D. In Process E. In process F. In process

		<ul style="list-style-type: none"> C. Education users D. Compost “yard waste” on campus E. Expand composting to major offices F. Consider feasibility of on campus composting of all waste 						
3	Expand recycling to all areas of campus and educate campus for correct use of bins	<ul style="list-style-type: none"> A. Provide bins and pickup to all existing classrooms and offices B. Include recycling in all new buildings C. Educate users 	Bins/pickup in all areas and 95% compliance	<ul style="list-style-type: none"> A. 2010 B. Presently C. Ongoing 		Director Campus Ops	<p style="text-align: center;">On schedule <i>In Progress</i></p>	<ul style="list-style-type: none"> A. Complete B. Complete C. Complete
4	Recycle or reuse all surplus materials	<ul style="list-style-type: none"> A. Create policy for recycling surplus B. Surplus 	% or surplus materials recycled/reused	presently done, make official policy		Director Campus Ops	<p style="text-align: center;">On schedule <i>In progress</i></p>	<ul style="list-style-type: none"> A. In Process B. In Process
5	Create policy and culture shift to reduce paper use	<ul style="list-style-type: none"> A. Create policy to reduce paper use B. Default to 2-sided printing C. Educate community D. Centralize paper purchasing E. Encourage 	% reduction in paper purchases on campus	2013 2010 Ongoing		VP of Admin Services	<p style="text-align: center;">On schedule <i>Development</i></p>	<ul style="list-style-type: none"> A. Complete B. Complete C. In Process D. Complete E. In Process F. In Process

		digital archives F. Streamline printer access						
6	Create “green” purchasing policy for campus supplies (that takes into account production and miles traveled)	A. Create policy B. Educate community on using policy	All new purchases consider impact of purchase	2013	Indirect carbon reduction (not calculated in PCC carbon audit)	VP of Admin Services	On schedule <i>Development</i>	A. Not started B. Not started
7	Recycle all cooking oils for biodiesel		100% of cooking oils used for biodiesel	Presently		Director of Food Service	Complete	Complete
8	Increase use of local foods in cafeteria		% of cafeteria food using local ingredients		Indirect carbon reduction (not calculated in PCC carbon audit)	Director of Food Service		In Process
9	Eliminate plastic water bottles and bags	A. Eliminate bottled water use and sales on campus B. Install water refill stations C. Educate community D. Bags – create policy and provide reusable incentives	Reduction in purchase of bottled water and plastic bags	A. 2015 B. 2013 C. Ongoing D. Presently in bookstore – expanded to other areas	Indirect carbon reduction (not calculated in PCC carbon audit)	Director Campus Ops & Director of Food Service & Bookstore Manager	On schedule <i>Not started</i>	A. Not Started B. Complete C. Complete D. Complete
10	Evaluate alternatives for wastes produced by academic activities (science labs, art	Work with: • Science Lab Manager	% reduction in purchases and waste disposal in these areas	2013 (assessment) Ongoing		Director of Campus Ops	On schedule <i>Not started</i>	Not Started

	studios, etc.)	<ul style="list-style-type: none"> • Art Dept. • Interior Design to assess and reduce waste in those areas		reductions				
1 1	Create grounds policy for the purchase, use and disposal of fertilizer and pesticide		% reduction in fertilizer and pesticide purchases	2013		Grounds Manager	Complete	Complete? (new staff)
1 2	Create no net canopy loss policy		Replace any tree removed with 4 new trees in campus	2013		VP of Admin Services	On schedule <i>Not started</i>	In Process

**Bellevue College
CLIMATE ACTION PLAN**

Education and Culture Change

Overall Goal: Evaluate current education in sustainable education and climate change in 2010-11. Over next 10 years work in embed sustainable education across the curriculum and create more ways to interact and educate the community.								
	General Strategy	Specific Actions	Assessment	Timeli ne	Notes	Responsi ble Party	2011 Update	2013 Update
1	Formalize Sustainability Curriculum Committee to oversee sustainability education			2011	Based on Sustainability Task Force – will coordinate with EAC to define roles	Sustainabil ity Curriculu m Committe e and EAC Chairs	Complete	Complete
2	Incorporate sustainability into campus core	A. Add to core values and themes B. Add to mission statement	Board of Trustees acceptance of new wording	2011	Sustainability Task Force has proposed new wording	Sustainabil ity Curriculu m Committe e and EAC Chairs	On schedule A. <i>Complete</i> B. <i>Deferred</i>	A. Complete B. In process
3	Make sustainability a General Education requirement for all graduates		Acceptance of new wording	2012	Make sustainability a more visible value and/or requirement for graduation	EAC and GenEd Committe e	Behind schedule <i>In progress</i>	In Process

4	Create Sustainability Center and hire a full-time director to coordinate campus activities		Hire director and form center	2012	Make priority once we are through budget crisis	Executive Dean of Instruction	Complete	Complete
5	Create resource center and workshops to assist faculty in teaching sustainability (including climate issues) across the curriculum	A. Develop central location B. Meet with divisions annually C. Hold workshops D. Recruit and work with individual instructors	% increase in sustainability in existing course and employee discussions (recruit 5-10 new faculty a year; hold 1 workshop each quarter)	A. 2012 B. Ongoing	Model after the GREENS program from 2008-9	Sustainability Curriculum Committee Chair	On schedule <i>In progress</i>	Complete
6	Create sustainability "modules" that can be used across the curriculum		Create 15-20 "universal" modules in first 5 years	2015	e.g., a short module on climate science that provides basic info that can be adapted to any class	Sustainability Curriculum Committee Chair	On schedule <i>Not started</i>	In process
7	Implement communication plan to continually educate employees on sustainable practices	A. Web site B. Social networking (Facebook, Twitter, Linked In, etc.) C. Monthly email and/or newsletter D. Regular Jibsheet column	Have network in place and regularly updated	2010		EAC	Complete	Complete
8	Host campus and community workshops on sustainable issues and practical home activities		2-3 workshops a quarter	Ongoing	Through continuing ed?	Sustainability Curriculum Committee Chair	On schedule	In process

9	Offer AA (concentration) in Environmental Science and/or Studies			2013		Sustainability Curriculum Committee Chair	On schedule <i>In Progress</i>	In Process
10	Ongoing assessment of sustainable job market			Ongoing	Already being done	Director of Workforce	On schedule	In Process
11	Research and offer certificates and/or 2 yr-degrees targeting sustainable job markets		Growth in offerings in these areas	Ongoing	Sustainable Business Practices program is the first (and a good example)	Director of Workforce		In Process
12	Create office “Sustainability captains” in each building/program/unit to be the local expert	A. Provide training for the captain and support to encourage initiatives.	Have a “captain” in each building/program/unit	2011		EAC and Sustainability Curriculum Committee Chairs	Behind schedule <i>In progress</i>	Complete
13	Create “green” space for students to model sustainability and gain resources on sustainable practices and careers	A. ID space B. Gather resources C. Hold workshops, etc.		2015		ASG President	On schedule <i>Not started</i>	Not Started
14	Create and promote community and campus garden for education and food production			2011		Greenhouse Manager & Grounds Manager	Behind schedule <i>In progress</i>	Complete

1 5	Create model “green” home in one of the campus “houses” to test technology, teach, and serve as community model		Open home to share findings with the public	2013		EAC and Sustainability Curriculum Committee Chairs	Deferred	Not Started
1 6	Build community partnerships through sustainability education	A. Expand internships B. Grow service learning opportunities		2012 and ongoing		Director of Center for Career Connections	On schedule <i>In progress</i>	In Process
1 7	Work with BC Radio Station (KBCS) to provide information on sustainability to the community			2012		Sustainability Curriculum Committee and Radio Station Manager	On schedule <i>Not Started</i>	Not Started
1 8	Support local agriculture and connecting people to their food	A. Create drop point on campus for Community Supported Agriculture B. Hold campus Farmer’s Market		2012		Greenhouse Manager & Director of Food Services & Grounds Manager	On schedule A. <i>Complete</i> B. <i>In progress</i>	A. Complete B. In Process