# **Oregon Community College Green Initiative**

**Green Framework** 

**Appendix 3** 

May 10, 2010

College: A	All_	

Program Area (Choose all that apply)	Description of current program, courses, activities. Include number of students served and whether credit or non credit	Who are your students?	Partners and their contributions and commitments? Include any known leveraged resources Please list.	Additional information in targeted areas (Please mark and describe all that apply.)
1) Nascent Renewable Energy Jobs  These include those jobs in the infancy stage of development such as in wave, geothermal, and biomass	Renewable Energy Tech AAS Clackamas in approval (45 s/y)  TVCC -Adobe Brick Recycling-Noncredit 40 students	CC, DL,HS CW	NW Biofuels Assoc, PGE, Amer Hydrogen AssocNW, OIT, UM, OSU, Clackamas County Sustainability Office, Perkins funds and Pathways to Sustainability funds None	X Career Pathways (Clackamas)  Bridge Programs for ABS  X Career Pathways Certificates (Clackamas will evolve)  X Career Pathways Roadmaps (Clackamas Under development), LBCC,LCC  X Other K-12 connections (Clackamas – dual credits to manuf), LBCC
(BMCC – Biomass – Forest, Agriculture, Municipal Waste)	COCC- None at this time. Task force evaluating "green" jobs in the area. Conversations still very informal—no info available to list in last column.  LBCC- Automotive Technology AAS, 2yr Certificate, Alternate Fuels class-Hydrogen fuel cells, Electric vehicles. 36 enrolled 2008-2009	DL, CW CC,DL	COIC, Workforce OR, 3E Strategies Toyota, Honda	X Program of Study (Clackamas)LBCC,LCCX_Short term trainings (TVCC),BMCCApprenticeshipsCareer Readiness CertificateX_Distributed Education (Clackamas some online classes)BMCCX_Small Business Development BMCCContracted Training
	<ul> <li>LCC-Water Conservation Technician Program:         Two-Year AAS Degree (credit) with ability to         seek professional certificate.         <ul> <li>Training to work as water efficiency             technicians and workers, coordinators,             specialists or managers or as water             management specialists and technicians.</li> <li>The program prepares students to design,             implement and evaluate water             conservation programs.</li> </ul> </li> <li>30 students / year</li> </ul>	Those seeking AAS to become technicians	Eugene Water and Electric Board	

College:	All_		
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	BMCC-Small Business Development Center (SBDC) counselors are working with entrepreneurial companies to develop green technologies and markets. One-on-one counseling, non-credit, 5-10 companies currently, Increasing steadily. Also Hosting workshops by OSU Extension on bio products including biomass for energy generation. Total approx 80 attendees at two workshops so far.  PCC – Climate Action Plan: Sustainability	Business Owners Contractors Public agencies	OSBDCN, OSU Extension	
	Mgmt – Business (future degree option)			
2) Emerging Renewable Energy Jobs	Clackamas-Wind turbine tech articulated with CGCC 20 students	CC,DL,CW	Same companies/CGCC	X Career Pathways (Clackamas, PCC,LCC, Chem)
These include the jobs that are on the ground and increasing such as in solar, wind, utilities	TVCC- Waste/water recycling and wetlands preservation. Credit classes in Nat Res and Ag degree Prog in gr landscaping, pesticides, irrig, watershed management and noxious weed 30 students a year		Private citizen with recycling pond, college and armory share wetland area working on dev gr laboratories BLM	Bridge Programs for ABSX Career Pathways Certificates (Clackamas will evolve)XCareer Pathways Roadmaps (Clackamas Under development)CGCC,LBCC,LCC,PCC)
(BMCC – Wind Turbine Tech)	PCC- Electronic Engineering Technology AAS Degree and 1-year certificate Renewable Energy Systems Option	CC,DL,CW	Vistas, Wide variety of other RE Energy Companies WIA	XOther K-12 connections (Clackamas – dual credits to manuf),LBCC,LCCX Program of Study (Clackamas,TVCC,
	Micro Electronics Technology AAS Degree and 1-year certificate – Options in Solar Manufacturing	CC, DL, CW	Solar World Wide variety of manufacturing related companies WIA	CGCC)LBCC,LCC, Chem XShort term trainings –TBCC,LBCC  _XApprenticeships LCC Career Readiness Certificate
	TBCC- Building a solar water heater course non-credit 12 students	CE		X Distributed Education Clackamas (Some online classes) CGCC (in development), LCC, LBCC

College: A	All_	

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	Clatsop- Living Machine (Low Energy Waste treatment); Environmental Science 202 credit 20 students  CGCC-9-month Career & Technical Education Certificate, Renewable Energy Technology; 2-year AAS, Renewable Energy Technology. We have two entry and exit points and admit up to 40 students in each cohort. Articulation agreements with Clackamas, Linn-Benton, Chemeketa, and OIT.	CC,CW  CC Some with BS and higher	CH2M Hill, City of Astoria, Pacific U, US Parks, Oregon Garden OSU  1.4 million in contributions in the form of scholarships, equipment, and cash donations from industry partners. \$1.67M & \$350K from DOL; \$235K from DOE; \$500K from CCWD and Governor's Strategic Workforce Fund. Perkins dollars used for three years to fund 1 faculty. Perkins Reserve fund used for high school program of study work. Needs assessment funds received from Tides Foundation and the State of Washington to update workforce and industry needs.	Small Business DevelopmentxContracted Training CGCC (in discussion with 1 company right now),LBCC
	LBCC Offer substantial Mechatronics program AAS connected with articulation agreement to CGCC Wind Energy program. Connected to HS recruitment/scholarship program. Program focuses on high tech cross training and troubleshooting for highly automated efficient systems.  24 first yr. enrolled 2008-2009  Received funding from USDA to develop Biofuels I and II courses, develop capstone projects in conjunction with industry, and to deliver some mechatronics courses at a	CC,DL,HS,CW	Northwest Food Processors Assn. scholarships, recruitment with HS, internships, funding. Pacific Corp funding. Viper NW funding. Concept Systems donated and uses contracted training.  Trillium Fiberfuels partnered with LBCC on \$115k USDA grant – Developing novel instrumentation and Capstone learning projects.	

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	distance. Additionally, the grant provided funding for the development of a non-credit course for agricultural producers to become familiar with the economic opportunities available for biofuel production. Ultimately, the grant will result in a Sustainable Agriculture track for Mechatronics and Agriculture/Horticulture students.		Please list.	
	LCC- Licensed Renewable Technician—state-licensed position works under electrician for PV installation.  28 non-credit students	CC,K-12	State JATC Industry training agent fee OSEIA, ODOE,Or Energy Trust	
	BMCC- Refer students, wind project developers, and power companies to Columbia Gorge Community College (CGCC) wind tech program.	CC, Students, Energy companies	CGCC, PGE,Pacific Power, WIAB	
	Chem EET credit courses in renewable energy including solar and 74% match with CGCC wind program	CC,DL,CW,CE ,PA	Intel, Cisco, Micron, Tek scholarships and equipment	
	COCC - None at this time. Task force evaluating "green" jobs in the area. Conversations still very informal—no info available to list in last column.	DL, CW	COIC, Workforce Oregon and 3E Strategies	

College:	All	
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3) Energy Efficiency Jobs These include jobs that involve increasing efficiency of the built environment such as jobs in weatherization, energy auditors, and some trades  (BMCC – Contractors)	OCCC-Trainings for bus owners on tax credits for energy efficiencies  TVCC-Weatherization Training noncredit CE  PCC- Architecture two year degree AAS. Sustainable design and construction concepts are embedded in all applicable courses and a certificate has been created.  Sustainable Building (1-year) Certificate builds on the Architectural program by combining additional coursework in sustainable design, products, materials, and construction with Environmental science, sociology and ethics.  Building Construction – two year AAS and one year certificate. In the process of integrating sustainability practices throughout the curricula.  Building Inspection Program: Green Building Inspection-Residential only.  Facilities Maintenance Technology (FMT) and Industrial Technology (IT), two year AAS and one year HVAC certificate. In the process of integrating sustainability practices throughout the curricula.	CE CC,DL,CW CC,DL,CW CC, DL, CW CC, DL, CW CC, DL, CW	Working on partnership with Harney-Malheur Community Action  NSF, Earth Advantage, City of Portland, wide variety of architectural firms and public agencies related to sustainable design and development.  NSF, Earth Advantage, City of Portland, wide variety of construction firms involved with sustainable building practices.	xCareer Pathways: PCC/RCC/LCC, LBCCBridge Programs for ABSX Career Pathways Certificates/RCC, ClatsopX_Career Pathways Roadmaps/RCC, LCC, LBCCxOther K-12 connections?RCC,LCC, LBCCX Program of Study Clatsop(Historic),RCC,LCCX_Short term trainings TVCC, Clatsop (Weatherization), MHCC, COCC,LCC, LBCCX_Apprenticeships ChemX_ Career Readiness Certificate RCC,LCC X Distributed Education BMCC, LBCCX_Small Business Development (OCCC) <bmcccontracted td="" training<=""></bmcccontracted>
	Interior Design two year AAS Degree. In the process of integrating sustainability practices throughout the curricula.	CC, DL, CW	NSF, Earth Advantage, City of Portland, wide variety of architectural firms and public	

College: All	
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	whether credit of hon credit		Please list.	
			agencies related to sustainable design and development.	
	Chem- Apprenticeships (Electrician, Heating, Ventilation, Air-Cond and HVAC) renewable energy activities credit	CW CC/CW/DL	Community businesses	
	Clatsop-Weatherization and Lead Removal non credit; Historic Preservation and Restoration credit 15 students per year	CW CC, DL,CW	Area small business, Community Action Team, Advisory Board & local businesses	
	MHCC- Sustainable Building Advisor National Certification non credit; Building Analyst and Envelope Prof non-credit (prepares students for the Building Performance Institute cert testing); Weatherization Tech/Installer (non credit)	CC,	Business and Industry Incumbent Workers skill upgrade Partner with WIA	
	COCC- Sustainable Building Advisor 9-month course (1 wkend/month) 2006/07-14 students 2007/08-30 students	CC, DL	COCC - <b>SBA:</b> Some industry partners donate instructional expertise (value varies).  Energy Trust of OR provides	
	2008/09-29 students 2009/10 – begins Oct. 2009		scholarships for ETO Trade Ally Network members (~\$3000/year).	
	Noncredit – students who qualify can take industry certification exam to become a 'Certified Sustainable Building Advisor'		COCC Foundation Turner Fund provided scholarships in 07/08 and 08/09 (~\$5000/year).	
	Home Energy Analyst Trainings Three separate trainings planned for fall 2009 (Oct-Dec) including 5-day core training, 3-day building envelope training and 3-day heating/cooling training. Course content covers		BetterBricks provided advertising matching dollars in first two yrs (~\$800/year)	
	knowledge needed for certification as Home Energy Analyst through Building Performance		Home Energy Analyst Trainings	
			Currently in the process of	

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	Institute (BPI). Additional hands-on training and testing outside this class is required to become BPI-certified.  Performance Tested Comfort System (PTCS) Duct Sealing Training 3-days planned for July 15, 16, 17 at COCC. Upon completion, students can test to become PTCS certified (industry certification).  Performance Air Testing & Sealing (PATS)		working with Conservation Services Group (CSG) and ETO to provide partial reimbursement to students who are trade allies who complete the Home Energy Analyst training and fulfill additional requirements to become BPI certified.	
	planned for August 13, 14 at COCC. Upon completion, students can test to become PATS certified (industry certification)			
	RCC- Construction Tech AAS and CP cert (dev retrot program for energy eff) Incorporate gr and sustainability in all prog courses LEED cert, New products seminar –SIPS	СС	Energy Star, Earth Advantage, Energy Trust	
	LBCC- Mechatronics program(AAS) is implementing energy efficiency training in automated systems. Pursuing offing a certification in efficiency and in Mechatronics. Includes coursework in Computerized Maintenance Management which focuses on efficiency. Has a Industrial Refrigeration component.  Effective maintenance and troubleshooting  Operating a computerized maintenance system for maximum energy efficiency  Preventing defects in production  Preventing energy wasting operations or breakdowns  Green repair options in maintenance,	CC, DL, HS, CW	NWFPA, Pacific Corp, Viper NW, Concept Systems	

Program Area (Choose all that apply)	Description of current program, courses, activities. Include number	Who are your	Partners and their contributions and	Additional information in targeted areas (Please mark and describe all
(	of students served and	students?	commitments? Include any	that apply.)
	whether credit or non credit		known leveraged resources	
			Please list.	
	troubleshooting and repair  Motor replacement and sizing			
	Selecting energy efficient control options			
	24 first yr. enrolled 2008-2009			
	LCC -			
	Energy Management Technician (credit)     AAS		EWEB \$136,000	
	Thirty Students / year			
	Renewable Energy technician (credit)     AAS		Fees from Custom trainings.	
	Thirty students / year			
	Resource Conservation Management     Technician (credit) AAS Thirty Students /     year			
	Energy Management /Renewable Energy     Technician 18-month Accelerated Program	Dislocated Workers	SESP grant of \$423,536	
	(credit)		NSF grant of \$810,000	
	Leading Alternatives in National Energy     Solutions (Lanes) (credit)	At risk youth	Lane Workforce Partnership is	
	Summer Youth Career Academy in Clean/Green Technology	Between the ages of 16 and 24	providing \$198,793 for three academies this summer. Source of	
	This youth career academy will be offered for the first time this summer from July 1 through August 13, 2009.		24	funding: American Recovery and Reinvestment Act (ARRA)
	Students will be introduced to the industry, learn entry-level skills in weatherization, develop strong employability skills, and be set up with a paid work experience.			
	The academy will serve 20-25 at-risk			

College: All	

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	youth. Students will earn college credits.  7. Residential Weatherization Auditor 1 and Residential Weatherization Technician 1 training (non-credit)	Low income/DL	Lane Workforce Partnership is providing \$180,000 for the training and an additional \$450,000 for paid work experiences that would include other career technical areas as well.	
	BMCC- SBDC referring contractors to Oregon Energy Trust Programs Non-Credit 5-10 initially; growing	Contractors	Oregon Energy Trust	
4) Greening of existing jobs  These include jobs where workforce need skills	Clackamas-Horticulture AAS and one year cert, Irrigation Tech CP cert, Landscape AAS, Landscape Practices one year certificate, Plant Healthcare CP cert 200 students	CC, DL, CW		X Career Pathways -Clackamas – Statewide apprenticeship cert and degrees, PCC,BMCCBridge Programs for ABS
upgraded such as plumbers trained in solar hot water installation, carpenters trained in green building	TVCC- Pesticide workshop CE 40 students a yr, Intro to Lean Manuf non credit Biz C -9 students, Wildland Fire Training CE 750 students per year	Ag businesses Small Businesses	BLM,USFS, Or/Id State Dept of Lands, local structure fire agencies	X Career Pathways Certificates (Clackamas listed), Clatsop (Historic), BMCCX Career Pathways Roadmaps Clackamas BMCC, LBCCX Other K-12 connections (Clackamas –
techniques and materials, landscapers trained in green landscaping techniques and plants.	PCC Automotive AAS Degree, Alternative Fuels Option. Integrating focus on hybrid automobiles and light trucks and offering as CEUs	CW		some dual credit) x Program of Study LCC,BMCC, Clatsop x_Short term trainings TVCC, SOCC, COCC,LCC, LBCC, Clatsop
(BMCC-Apprenticed Trades)	Civil/Mechanical Engineering Technology AAS Degree– Sustainability and Green Technology Option.	CC, DL, CW		XApprenticeships TVCC,LCC,BMCC Career Readiness Certificate  XDistributed Education (Clackamas some landscape classes online)

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	Building construction, 2 yr AAS and 1 yr Certificate  Building Performance Institute Certification in Partnership with Conservation Service Group  Advanced Framing and Building Envelope Training – modifications to existing curriculum on going  Landscape Technology – 2 yr AAS degree & 2 yr certificates – sustainability design, construction and maintenance concepts and		National Science Foundation  Oregon Home Builders Association Building Performance Institute iLevel	XSmall Business Development TVCC,LCCXContracted Training Clackamas, TVCC,MHCC,LCC
	practices embedded in all applicable courses  Clatsop-Meteorology 40 students  MHCC Green Building Principles- non credit  SOCC-Photovoltaic Entry Level Certificate	CC CW	Advisory Committee  Business and Industry RCC grant	
	non-credit  COCC- NABCEP Entry Level PV Solar Exam Prep course for Electricians. 16 hour class covering information to prepare licensed electricians to sit for the North American Board of Certified Energy Practitioners (NABCEP) Entry Level exam.  Noncredit 26 students May 15 & 16, 2009. Of 26 students, 23 took exam and 20 passed. This entry level certificate is required by OR Dept of Energy to become a Tax Credit Certified technician to do work on residential tax incentive jobs.	CW,DL	COCC contracted with Lane Community College for instruction, which assisted us in getting started with well-developed instructors and curriculum.	

College: A	<b>II</b>

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	Plans to offer this 2 times per year for now.			
	LBCC – Mechatronics/RHVAC: Effective maintenance and troubleshooting  Operating a computerized maintenance system for maximum energy efficiency Preventing defects in production Preventing energy wasting operations or breakdowns	Industry HVAC elect/plumbers BPA and utility CW	NW Public Power Assn  Bonneville Power \$1200	
	Green repair options in maintenance, troubleshooting and repair  Motor replacement and sizing  Selecting energy efficient control options  24 first yr. 2008-2009	CC, DL, CW, HS		
	LCC-  1. Energy Management Certification Program (certificate) (non-credit)18 students	1. industry	1. Northwest Public Power Association	
	<ol> <li>Building Operator Certification (noncredit) 40 students</li> <li>Bonneville Power Administration         Residential Energy Auditor and Inspector         Certification (non-credit) 27 students</li> </ol>	2.H-vac/ electricians, plumbers 3. BPA and utility ee's	3.Bonneville Power Admin. \$1200 for teachers	

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	<ol> <li>Sustainable Building Advisor Program (certificate) (non-credit)20 students</li> <li>State apprenticeship Program for PV and solar water heater installation (non-credit/credit) 18 active apprentices.</li> <li>Sustainability Coordinator AAS degree program</li> <li>Statewide Basic Manufacturing Technician Certificate Program with Solar Emphasis (credit)</li> <li>Sustainable Building Practices Course with LEEDS option (credit)</li> <li>Culinary Arts and Food Service Management AAS has a strong focus on sustainability. 50 students /credit</li> <li>Hospitality Management AAS and 1 yr cert have strong focus on sustainability. 35 students/credit</li> </ol>	4. architects, engineers, developers, etc. 5. electricians / plumbers 20 students 7 and 8: Low-income adults and dislocated workers.		
	11. 11 BOLI Registered Apprenticeship programs (will all be credit in Fall 2009)  Approximately 300 students, 60 are in Limited energy technician on line course.			

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	12. Climate Masters at Work – Non-Credit Course included 10 Week class sessions focused on assisting businesses and organizations with lessening their carbon footprint and saving money; followed by 6 monthly seminars and one-on-one business evaluations and process advising with a sustainable environmentalist.  Course curriculum includes: Climate Change Basics, Practical Strategies for Saving Money and Reducing Greenhouse Gas Emissions Through Energy and Resource Efficiency in Facilities, Packaging, Materials Selections, Transportation and Other Opportunities, Developing a Greenhouse Inventory and Action Plan to Target the Greatest Leverage Points for Your Business, Organizational Change, Marketing and Outreach, Product and Service Design and Student Related Issues Intern Support from trained LCC Energy Management Students was available. Businesses were given assistance during their one-on-one advising sessions to carry out their plan to reduce emissions.  Purpose of the program is to grow participants' knowledge base and provide an avenue of practical application within the business so participants can see the environmental and fiscal advantages for the company.	12.Students consist of private sector business leaders and owners, organizational managers and non-profit managers.	12.University of Oregon –Climate Leadership Initiative – collaborated on curriculum, marketed program, facilitated some of the classes.  Business Development Center contracted with Good Company – a privately held company that assesses businesses sustainability efforts and develops renewal energy to provide two associates to facilitate classes and seminars as well as perform one-on-one advising sessions with participants. Good Company underwrote a portion of their time.  Eugene Water and Electric Board provided sustainable energy and wastes water information and guidance.  Eugene Chamber of Commerce provided classroom space and marketing. Springfield Chamber of Commerce provided marketing.	
	BMCC- Credit. Lead college with Chemeketa in statewide curriculum development for apprenticeship training. Apprenticeship	Apprentices Business leaders and	Oregon Community College Apprenticeship Network	

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	program partners are infusing curriculum with green processes and systems, not stand-alone courses. Instructors modify courses to include latest green technology as it evolves. Specific Trades have made progress using green technologies – plumbers using green materials, energy modalities, water delivery systems, waste water systems, passive and active water systems. Electricians are incorporating photovoltaic, heating, energy efficient lighting, passive and active heating systems, and energy conservation automation. HVAC/R is teaching elements of convection air movement, innovative design for structure to heat and cool, conduit and pope modifications for efficiency. Sheet metal focuses on structural design, ambient air movement, appliance placement, and conservation of materials.  Students are 4-year apprentice students – approximately 160 inside electrician apprentices, 95 plumber apprentices, 50 HVAC/R apprentices, and 40 sheet metal apprentices.	owners,organiz ational mangers and non-profit managers  Apprentices, Contractors, Employers	OCCAN) Oregon Bureau of Labor and Industries (BOLI) Apprenticeship and Training Division (ATD) Contractors Trade Unions Apprenticeship Committees Trade Materials and Services Suppliers	
5) Curriculum Infusion  Modification of curriculum to reflect triple bottom line of sustainability/green principles and practices (i.e., construction, sustainable manufacturing, 'green" apprenticeship models)	Clackamas Credit transfer classes: Pathways to Sustainability, Sustainability &Ethics, Sustainable Cities 75 students Sustainability HS Pathways to Postsecondary  TVCC- Credit classes in: Biology several hundred students Physical Science Energy 30 students, Range Management and other Ag certificates and degrees(Soils, crop prod, pesticides, Coop Work Exp) 50 students, Nat Res cert and degrees including Wildfire (GIS,Noxious Weed, Forest Practices,	CC,DL,CW	OUS System, CCWD strategic fund Pathways to Sustainability  Faculty on sabbatical did research in hydrology/geothermal w Boise S U  Soil and water conservation potential partners	X Career Pathways PCC, Clatsop (Auto), RCC, Clackamas Bridge Programs for ABS X Career Pathways Certificates RCC Career Pathways Roadmaps Other K-12 connections Clatsop (auto),RCC X Program of Study TVCC, Clatsop (auto), LBCC X Short term trainings Clatsop

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	Watershed Management, Fire Effects, Nat Resource Ecology, Coop Work Exp) 20 students  PCC- Biology, Environmental Studies, Chemistry, Engineering, Sociology, Philosophy, Writing, Building Construction, Construction Management, Building Construction Technology, Design/Build, Economics – Mindful Economics, Geography: GIS Certificate includes environmental science focus	K,CC,DL,CW CC (for all the listed areas)	BLM provides outdoor lab opportunities  Individual courses in all these disciplines have integrated sustainability/green principles and practices in the curricula. In many cases these courses are either elective courses or required courses included several of the current and future Green Technology Degree options.	(leadership)ApprenticeshipsCareer Readiness Certificate Distributed EducationSmall Business DevelopmentContracted Training
	UCC-Environmental Lit Course	CC	Advisory board	
	Clatsop- Clatsop Leadership Forum non credit 20 students per yr	cw cc	Chamber of Commerce, Sunset Empire Transportation District, Western Or Waste	
	SOCC-Instructors embedded sustainability assignments CS120, ENG111; SOCC-Phyto remediation as part of the Chem lab curriculum –			
	COCC- GS 105, CH 105, and CH223 content related to alternative energy, all organic Chem labs are "green" and use Roto-evaporator to recycle solvents		Rich Gurney, Simmons College (Boston) Greener Education Materials	

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	RCC-Ecoeducational House Project student designed and built house; Construction Tech – greened, Electronics Program –embedded in EET240/241 (use solar panels ) Sustainability HS Pathways to Postsecondary		For Chemists website  Home Builders Eagle Point HS	
	LBCC-Composting area constructed with (3) separate bays within Horticulture programs -Emphasizing biofuel production, genetic crop enhancement, and organic production in horticulture programs -New Science building will be LEED Silver Certification			
	LCC- Sustainability course of study for transfer degree to be printed in the 2010 course catalogue.  Lane is currently administering an EPA grant funded Sustainability Infusion Project in which 20 faculty trainers are training a total of 200 faculty to infuse triple bottom line sustainability into courses. To date, we have	20 new students this year		
	trained about 60 faculty.  Sustainability infused throughout many classes at Lane including General Chemistry, Organic Chemistry, Biology, Automotive Technology, Diesel Technology, Health, Culinary Arts, Hospitality Management, Religious Studies, Economics, Philosophy, Political Science, ESL,			

College: All	

Lane has an application for sustainabilit course status which faculty may use to their classes officially considered a "Sustainability" class. This application based on the application used to determ whether a class can be considered a class fulfills the "Ethnic/Gender/Cultural Div requirement. Approved classes will has sustainability designation in the course catalogue and the class schedule.  BMCC- ENG 269 Nature Lit, Ag infuss sustainability courses credit and non crestudents, Diesel Tech includes env sour practices 50 students; Civil Eng include sustainability standards and codes 80 standards and codes 80 standards.  Clackamas CCC Sustainability Series 1 students/year, Green industry mini sun students/year	have 1 was			
students/year, Green industry mini sum	sed HS CC Contra /mater es supplie	ntractors aterial		
KCC-Working w/ Local Gr Building C  TVCC-CE noncredit –organic gardenin family recycling 20 members, climatole viticulture 132 participants		,DL,ABS,E ,HS,CW //,DW mmunity	1 -	X Career Pathways- Chem, RCC Bridge Programs for ABS X Career Pathways Certificates Career Pathways Roadmaps X Other K-12 connections Chem, SOCC X Program of Study Chem, Clapsop,MHCC,RCC,LCC X Short term trainings TVCC, UCC, Clatsop, SOCC,COCC,RCC,LBCC,LCC,BMCC

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	PCC – Community Education Program Planning Biology, Environmental Studies & Resources & Landscape Technology Resource Management AAS 2 yr transferrable degree to 4yr institution, Includes Certificate in Wetlands Restoration, Mitigation and Management.	E,K,CW,CC, DL	A wide array of non-credit Green Living courses are offered to help community members save money, conserve resources and build skills while enhancing environmental awareness.	X_ Distributed Education RCC  X_ Small Business Development UCC, COCC,LCC,BMCC  X_ Career Pathways (CGCC)  Bridge Programs for ABS  Career Pathways Certificates  Career Pathways Roadmaps  Other K-12 connections
	Chem-Hort program and courses w/sustain. Practices 30-40 students credit and non credit  UCC- Earth Day Celebration 100-150 students;	Community businesses  CC/Bus owners		Program of Study X Short term trainings LBCC, Clatsop, COCC Apprenticeships
	Workshops on Energy Tax Credits Clatsop- CE "Green Makes Cents"; Campus recycling (Student driven)	Community Members/CC		Career Readiness Certificate Distributed Education X Small Business Development COCC X Contracted Training LCC
	MHCC-Sustainability Health and Safety AAS or 1yr cert:; Natural resource Tech AAS or 1yr cert; Introduction to Solar Power; Urban Farming Fundamentals; Sustainable Landscaping and Design	CC HS/CW		Note: KCC marked most of the above with no explanation and no reference
	SOCC- CBJT Grant includes lab run on biodiesel. Green awareness and Green Jobs Career Info will be conducted within each community in college district	CC,HS,CW	CC,CW,DW	
	COCC- Personal enrichment classes for living green are offered as part of our Community Learning program. These classes vary each	CC, CW, DW		

College:	All	

Program Area (Choose all that apply)	Description of current program, courses, activities. Include number of students served and whether credit or non credit	Who are your students?	Partners and their contributions and commitments? Include any known leveraged resources Please list.	Additional information in targeted areas (Please mark and describe all that apply.)
	term and usually run 3-8 hours and range from \$29-\$89. Current offerings include: Building Green, Green Remodeling, Sustainable gardening, Xeroscaping, Understanding solar energy, Straw Bale construction, Making Biodiesel			
	Business classes for incorporating green are offered through our Business Development Cent and Community Learning. These classes vary each term and usually run 3-8 hours and range from \$29-\$89. Current offerings include: Greening Your Business, One-on-one Business Sustainability advising			
	COCC also models for students sustainable operating and building practices including: Purchase renewable power Storm water kept on site Shuttle bus with bike racks Covered and uncovered bike parking Organic fertilizers Earth friendly cleaning supplies High efficiency HVAC controls Insulated buildings			
	Decreased water usage for landscaping  RCC-member of AASHE and formed a green team who sponsor green events to public,  Summer Institute for Green	CC,faculty,CE	Area Sanitation Co, SOU, County Gov, OSu	
	LBCC-Water/Wastewater Technology AAS, One year Certificate in W/W Plant Operations. Aquatic Chemistry and Microbiology, Water Purification Systems, Treatment.	CC,DL,CW		

College: A	<b>II</b>

Program Area (Choose all that apply)	Description of current program, courses, activities. Include number of students served and whether credit or non credit	Who are your students?	Partners and their contributions and commitments? Include any known leveraged resources Please list.	Additional information in targeted areas (Please mark and describe all that apply.)
	36 enrolled 2008-2009 -Facility transition to better practices(utilizing BETC credits): lighting, recycling, construction management, low-flow plumbing fixtures, chemicals, HVAC, transportaion -Clean Cities Program Grant for electrical vehicle charging stations, purchasing of hybrid vehicles, and conversion to plug-in hybrid vehicles -National Teach-in on global warming -Sustainability Committee formed			
	Lane has many opportunities for students to gain experience with green projects outside of the classroom including a Green Chemistry Club, an active Oregon Student Public Interest Group chapter, and a Learning Garden Club. The Learning Garden Club has cultivated about an acre of land on which they grow food that is sold to the campus cafeteria and Culinary Program.	CC	Solar Oregon PaciCorp Regional Governments	
	Lane provides an opportunity for students in the Renewable Energy Technology program to do a solar installation each year. This year will be the 4 <sup>th</sup> year that these installations have occurred and about 6.5 kW of solar PV will be helping to power the college.  Students in Lane's Water Conservation			
	program have worked closes with college operations to install a rainwater harvesting			

College:	All	

Program Area (Choose all that apply)	Description of current program, courses, activities. Include number of students served and whether credit or non credit	Who are your students?	Partners and their contributions and commitments? Include any known leveraged resources Please list.	Additional information in targeted areas (Please mark and describe all that apply.)
	system and to retrofit bathroom faucets and showerheads.  Lane recently received a grant from our utility for solar covered parking connected to electric vehicle charging stations. The grant funds will be coupled with bond funds to install about 75			
	kW of solar panels to power charging stations for 36 electric vehicles. Lane plans to work with students in the Renewable Energy Technology program to help with the installation of this project. Lane also plans to work with our Automotive Technology program to convert three standard Priuses to plug-in electric hybrids.			
	Lane is a signatory of the American College and University Presidents Climate Commitment. The college has completed a comprehensive greenhouse gas emissions inventory and is currently in the process of developing a plan for becoming carbon neutral.			
	Lane always offers sustainability-related continuing education courses. Classes this summer include Permaculture and Organic Gardening.			
	Sustainability is one of Lane's core values (http://www.lanecc.edu/cml/PDFs/CML-LCCmission.pdf)			

College: A	<b>II</b>

Program Area (Choose all that apply)	Description of current program, courses, activities. Include number of students served and whether credit or non credit	Who are your students?	Partners and their contributions and commitments? Include any known leveraged resources Please list.	Additional information in targeted areas (Please mark and describe all that apply.)
	See http://www.lanecc.edu/sustainability/susprog.ht ml for more information on green activities at Lane.  BMCC Workshops in solar energy principles using internet video; Led PacifiCorp "Blue Sky" initiative; Hosted sustainable materials use conference w/ city of Pendleton  CGCC- Participating college in SESP grant through TOC/OWA. Still working out the details on content.	Home Owners Property owners  Unemployed; underemployed ; low & basic skills; dislocated workers; incumbent workers to "skill up"	The Oregon Consortium & 9 colleges including CGCC: LBCC, TBCC, BMCC, SWCC, Rouge, COCC, UCC, possibly TVCC	