

## CSM Sustainability Audit

Project #	AREA	Project	Description	What course	Staff Contact	Faculty contact	When / semester
w1	Water Use	Domestic Water use, e.g. Drinking Water	Determine baseline water use / \$ cost / Describe how it is being used / Propose & design water efficiency measures / Cost measures, ROI on project / Sustainability analysis	EPICS II / Sustainable Development	Robert Slavik (Facilities Mgmt)	Bob Knecht / Carrie Sonneborn	
w2	Water Use	Assess overall campus grounds water usage and how it is being used	Determine baseline water use / \$ cost / Describe how it is being used / Propose & design water efficiency measures / Cost measures, ROI on project / Sustainability analysis	EPICS II / Sustainable Development	Jerry Solt (Facilities Mgmt)	Bob Knecht / Carrie Sonneborn	EPICS II Fall 2008
w3	Water Use	Other uses (research / lab use)	Determine baseline water use / \$ cost / Describe how it is being used / Propose & design water efficiency measures / Cost measures, ROI on project / Sustainability analysis	EPICS II / Sustainable Development	Contact Departmental / Building research assistant / Craig Crow (Facilities Mgmt)	Bob Knecht / Carrie Sonneborn	
w4	Water Use	Storm Water	Groundwater / surface water contamination levels / drainage & sanitation / effects on local creeks	EPICS II / Sustainable Development	Tim Sweitzer (EH&S)	Bob Knecht / Carrie Sonneborn	
w5	Water Use	Waste Water Disposal	Identify all sources of waste water on campus/ Propose ways to reduce	EPICS II / Sustainable Development	Tim Sweitzer (EH&S)	Bob Knecht / Carrie Sonneborn	
sw1	Solid Waste	Food	Identify all sources of food waste / Propose ways to reduce	EPICS II / Sustainable Development	Dan Fox (Student Life)	Bob Knecht / Carrie Sonneborn	
sw2	Solid Waste	Trash	Identify all sources of solid waste on campus/ Propose ways to reduce	EPICS II / Sustainable Development	Jim Gummo (Facilities Mgmt)	Bob Knecht / Carrie Sonneborn	
sw3	Solid Waste	Recycling	for future review (2010)				
e1	Energy	Campus electricity use	Determine baseline electricity use / \$ cost / Describe how it is being used / Propose & design efficiency measures / Cost measures/ ROI on project / Sustainability analysis	EPICS II / Sustainable Development	Utilities Engineer (Facilities Mgmt)	Bob Knecht / Carrie Sonneborn	

e2	Energy	Campus heating & cooling (steam / electric / gas)	Determine baseline use / \$ cost / Describe how it is being used / Propose & design efficiency measures / EPICS II / Cost measures/ ROI on project / Sustainability analysis	Sustainable Development	Utilities Engineer (Facilities Mgmt)	Bob Knecht / Carrie Sonneborn
e3	Energy	Renewable Energy Use on campus	Determine opportunities for use on campus/ Propose potential applications & estimate costs / Sustainability analysis	Sustainable Development	Utilities Engineer (Facilities Mgmt)	Carrie Sonneborn
t1	Transportation	Car Dependence	Determine opportunities to reduce dependency on cars through public transportation, car pooling, bicycle use, walking.	Sustainable Development	Public Safety, Keith Turney / Student Activities re. RTD College Pass / Capital Planning & Construction re. Traffic and Parking Planning Study	Carrie Sonneborn / Jen Schneider (bus pass for faculty & staff)
t2	Transportation	Safety	Study of walking patterns around campus in order to recommend where new Crosswalks should be located	EPICS	Public Safety , Facilities Mgmt and City of Golden (Engineer)	Bob Knecht
l1	Land Use	Sustainable Campus Planning	Investigate ways to incorporate sustainability principles into campus land use	Sustainable Development	Capital Planning and Construction - Campus Architect, Chris Coccalas	Carrie Sonneborn
l2	Land Use	Campus Ecological Integrity	Site inspection of Survey Field for effectiveness of weed control / review and evaluate current weed eradication for that area	EPICS / Sustainable Development	Facilities Mgmt / Gary Solt	Bob Knecht, Carrie Sonneborn
l3	Land Use	Campus Ecological Integrity	Develop principles for determining acceptable plant species for use on campus.	EPICS / Sustainable Development	Capital Planning and Construction - Campus Architect, Chris Coccalas	
l4	Land Use	Campus Green Space	Evaluate adequacy of green space currently designated on campus master plan	EPICS / Sustainable Development	Capital Planning and Construction - Campus Architect, Chris Coccalas	
l5	Land Use	Natural Area Protection	Identifying any natural areas on campus, at Idaho Springs Mines and elsewhere in the State or USA or internationally.	EPICS	Capital Planning and Construction - Campus Architect, Chris Coccalas	Bob Knecht
p1	Purchasing	Green Purchasing	Developing green purchasing principles	Sustainable Development	Purchasing Dept / John Kane	Carrie Sonneborn
p2	Purchasing	Food Purchasing	Review current purchasing practices of Aramark / Develop sustainable food purchasing principles	Sustainable Development	Student Life / Dan Fox	Carrie Sonneborn

bm1	Business and Management	Campus -wide Sustainability Management System	Using ISO Standards develop a propose a campus-wide Sustainability management system / ISO 14001 14040 - Environmental Mgmt / Life Cycle assessment principles and guidelines and Principles and Framework Requirements of 14044	EPICS	Sustainability Committee, Dave Munoz / Environmental Health and Safety	Bob Knecht
bm2	Business and Management	Openness and Transparency of Decision Making Processes	Do a Likert Survey on campus of staff, faculty and students to gauge openness and transparency of decision-making on campus	Sustainable Development	Diversity Committee, Heidi Loshbaugh	Carrie Sonneborn
bm3	Business and Management	Socially and Environmentally Responsible Investment	Investigate the current investment portfolio and assess for social and environmental responsibility	Sustainable Development	Foundation Board	Carrie Sonneborn
be1	Built Environment	LEED certified buildings	Investigate which older campus buildings, if any, can be retrofitted to LEED standards. Identify what would need to be done and estimate costs	EPICS	Capital Planning and Construction - Campus Architect, Chris Coccalas	Bob Knecht
be2	Build Environment	LEED certified buildings	Design of new buildings for LEED certification	EPICS	Capital Planning and Construction - Campus Architect, Chris Coccalas	Bob Knecht
be3	Built Environment	LEED certified buildings	Consult with stakeholders about new & retrofitting building construction & maintenance (Ref. BM2)	Sustainable Development	Capital Planning and Construction - Campus Architect, Chris Coccalas	Carrie Sonneborn
cc1	Culture & Community	Communication of sustainability principles to campus community	Creation of a 'sustainability map' and informational signs / posters	Sustainable Development	Sustainability Committee / Chuc Baroch	Carrie Sonneborn
cc2	Culture & Community	Collaboration with local and regional government	Consult with local community	Sustainable Development	Sustainability Committee / Chuc Baroch	Carrie Sonneborn
cc3	Culture & Community	Job Satisfaction	Consult with employees about job satisfaction, compensation and treatment	Sustainable Development	Human Resources	Sustainability committee
cc4	Culture & Community	Campus Safety & Security	Determine whether on-campus crime rate is increasing or decreasing / Propose ways to make campus safer	Sustainable Development	Campus police	Linn Havelick / Head of Safety Committee
r1	Research		Accounting of Institutional commitment to Sustainable Research / Analyze sustainability of research and practices used	Sustainable Development	Bob Siegrist	Carrie Sonneborn

r2	Research		Determine the number of research projects that have a sustainability focus	Sustainable Development	Bob Siegrist	Carrie Sonneborn
a1	Air	Campus wide Carbon Footprint	Quantifying campus-wide greenhouse gas emission (See Clean Air - Cool Planet) / Proposing ways to reduce GHG emissions	Sustainable Development	Utilities Engineer	Carrie Sonneborn
a2	Air	Campus ambient air quality	Quantifying and comparing campus air quality over a period of time / Proposing ways to improve air quality	Sustainable Development	Utilities Engineer	Carrie Sonneborn
tx1	Toxins	Hazardous waste generation	Identify total quantity of hazardous, radioactive and medical waste generation on campus	EPICS	Environmental Health and safety	Bob Knecht
tx2	Toxins	Hazardous waste management	Hazardous Substance management, Procedures for collection, monitoring, disposal	EPICS	Environmental Health and Safety	Bob Knecht