

Minnesota State University, Mankato
Climate Action Plan (CAP)
CAP Summary Table

Category	Time-frame	Strategy	Action Steps	Timeline	Responsible Parties
Buildings and Energy	Ongoing & Short-term	1. Reduce energy use in buildings by implementing GESC measures	1.1 - Replace existing T8 fluorescent light bulbs with LEDs.	Summer and Fall 2015	Ron Fields, Assistant Vice-President for Facilities Management
			1.2 - Reduce air infiltration through building envelopes.	Summer and Fall 2015	
			1.3 - Install destratification fans	Summer and Fall 2015	
			1.4 - Optimize building automation controls	Summer and Fall 2015	
			1.5 - Renovate boilers and the central heating plant	Summer and Fall 2015	
			1.6 - Replace bad steam traps	Summer and Fall 2015	
	Ongoing & Short-term	2. Set high energy standards for new buildings and retrofitting projects for existing buildings	2.1 - Follow Minnesota B3 guidelines	Ongoing	Ron Fields, Assistant Vice-President for Facilities Management
			2.2 - Use "passive" methods	Ongoing	Paul Corcoran, Planning & Construction Director
			2.3 - Use life-cycle costing or return-on-investment	Ongoing	Richard Wheeler, Assistant Director of Residential Life for Environment
			2.4 - Evaluate new building products and techniques	Ongoing	
	Mid-Term	3. Consolidate classes and events at off-hours (nights, weekends, summer) to be able to shut down buildings.	3.1 - Organize and hold discussions among all stakeholders	2015-2016 Academic Year	Ron Fields, Assistant Vice-President for Facilities Management
			3.2 - Obtain campus-wide approval and implement recommendations	After 2015-2016 Academic Year	
Mid-Term	4. Produce renewable energy on campus		2015-2016 Academic Year	Ron Fields, Assistant Vice-President for Facilities Management Paul Corcoran, Planning & Construction Director	
		4.1 - Consider options for the production of renewable energy			
Category	Time-frame	Strategy	Action Steps	Timeline	Responsible Parties
Transportation	Ongoing & Short-term	5. Improve alternative transportation infrastructure	5.1 - Maintain an adequate number of bike racks	Ongoing	David Cowan, Director of Facilities Services
			5.2 - Maintain the existing bus shelters	Ongoing	David Cowan, Director of Facilities Services
			5.3 - Evaluate the success of the Zip-Car car share program	2015-2016 Academic Year	MSSA President, or delegate
			5.4 - Reevaluate the need for electric vehicle charging stations	Ongoing	Ron Fields, Assistant Vice-President for Facilities Management
	Ongoing & Short-term	6. Provide incentives for alternative transportation	6.1 - Designate preferred parking or reduced pricing for carpools	2015-2016 Academic Year	David Cowan, Director of Facilities Services
			6.2 - Assess the cost of parking permits in campus parking lots	Ongoing	David Cowan, Director of Facilities Services
			6.3 - Encourage carpooling to/from major cities to campus	2015-2016 Academic Year	Environmental Committee Office of New Student and Family Programs MSSA
	Ongoing & Short-term	7. Make fleet vehicles more efficient	7.1 - Continue policy of considering mileage standards and other measures of sustainability whenever new fleet vehicles are purchased	Ongoing	Ron Fields, Assistant Vice-President for Facilities Management
	Ongoing & Short-term	8. Advocate for quality regional transportation options	8.1 - Work with the City of Mankato to increase bicycle and pedestrian infrastructure connecting the campus to other areas within the city	Ongoing	Ron Fields, Assistant Vice-President for Facilities Management
	Category	Time-frame	Strategy	Action Steps	Timeline
Water	Ongoing & Short-term	9. Reduce building water use	9.1 - Update and standardize to low-flow water fixtures	Summer and Fall 2015 and ongoing	Ron Fields, Assistant Vice-President for Facilities Management Carlos Zaleski, Plumber Supervisor, Physical Plant Richard Wheeler, Assistant Director of Residential Life for Environment
	Ongoing & Short-term	10. Reduce irrigation water use	10.1 - Develop a strategy for irrigating the playing fields of "not plush but alive"	2015-2016 Academic Year	Ron Fields, Assistant Vice-President for Facilities Management Bruce Leivermann, Grounds Supervisor, Physical Plant
			10.2 - Continue the existing landscape planning standards	Ongoing	Ron Fields, Assistant Vice-President for Facilities Management Paul Corcoran, Planning & Construction Director Richard Wheeler, Assistant Director of Residential Life for Environment
	Ongoing & Short-term	11. Reduce the impact of storm-water runoff	11.1 - Continue to abide by MPCA and City of Mankato storm-water requirements	Ongoing	Ron Fields, Assistant Vice-President for Facilities Management Paul Corcoran, Planning & Construction Director
			11.2 - Develop and implement an MS4 storm-water management plan	Summer and Fall 2015	
Category	Time-frame	Strategy	Action Steps	Timeline	Responsible Parties
Waste	Ongoing & Short-term	12. Encourage recycling	12.1 - Improve waste and recycling infrastructure	2015-2016 Academic Year and ongoing	Jason McCue, Building Services Manager Richard Wheeler, Assistant Director of Residential Life for Environment
			12.2 - Reduce plastic bottle use	Ongoing	Ron Fields, Assistant Vice-President for Facilities Management
	Ongoing & Short-term	13. Develop a comprehensive composting system	13.1 - Implement a collection site for food waste on campus and identify a disposal site for composting	Fall 2015 through Fall 2016	Ron Fields, Assistant Vice-President for Facilities Management Paul Corcoran, Planning & Construction Director Richard Wheeler, Assistant Director of Residential Life for Environment
Ongoing & Short-term	14. Recycle electronic waste	14.1 - Continue the electronic waste recycling program	Ongoing	Chandler Holland, Director of Environmental Health, Safety and Risk Management Richard Wheeler, Assistant Director of Residential Life for Environment	
Category	Time-frame	Strategy	Action Steps	Timeline	Responsible Parties

Purchasing	Ongoing & Short-term	15. Choose environmentally friendly products; use minimal packaging	15.1 - Continue demonstrating and testing new environmentally friendly products for efficacy	Ongoing	Jason McCue, Building Services Manager, Facilities Management Mark Parsley, Building Services Foreman, Residential Life
			15.2 - Whenever possible, consider purchasing and utilizing products that offer reduced packaging, ease of recycling, and/or shorter shipping distance	Fiscal Year 2016 and beyond	
			15.3 - Review existing University and MnSCU contracts to quantify availability of green/environmentally friendly products	Fall 2015	
			15.4 - Continue using 3M Cleaned Green Program products; when purchasing new or alternative products, utilize Green Seal Certified products when cost effective	Fiscal Year 2016 and beyond; ongoing	
			15.5 - Continue phasing out the use of aerosol cans in routine general maintenance and custodial use	Fiscal Year 2016 and beyond; ongoing	
			15.6 - Consider the possibility of coordinating with Printing Services to establish a paper inventory on campus	Fiscal Year 2016	
	Ongoing & Short-term	16. Buy local products and services	16.1 - Establish a definitional standard of what constitutes "local purchases" for practical purposes	Fall 2015	Jason McCue, Building Services Manager, Facilities Management Mark Parsley, Building Services Foreman, Residential Life Richard Straka, Vice President for Finance and Administration
			16.2 - Continue demonstrating and testing new local products when and where applicable	Ongoing	
			16.3 - Establish a baseline of current local purchasing in the 2015 fiscal year	Fall 2015	
			16.4 - Review existing University and MnSCU contracts to define and delineate manufactureres that fit local definition	Fall 2015	
			16.5 - Consider the costs and benefits of developing a University-wide purchasing policy	2016 Fiscal Year	
			16.6 - Explore opportunities to work in conjunction with other state universities to re-examine MnSCU purchasing agreements	Open-ended	
	Ongoing & Short-term	17. Work with local farmers to purchase food	17.1 - Establish a definitional standard of what constitutes "local purchases" for practical purposes	Fall 2015	Karilynn Doffing, General Manager, University Dining Services
			17.2 - Establish a baseline of current local purchasing in the 2016 fiscal year	Fall 2015	
			17.3 - Review producer/farmer sources that exist within current vendor networks to explore viability of expanding local purchasing	Fall 2015	
			17.4 - Consider the possibilities of expanded local purchasing when cost effective	Fall 2015	
			17.5 - Explore the option of partnering with Minnesota Valley Action Council (MVAC) Food Hub	Fall 2015	
			17.6 - Explore the opportunity of creating periodic "Local Nights" in Carkoski Commons	Fall 2015	
			17.7 - Continue the progression of expanding Ecotainer product use in Sodexo branded convenience stores on campus	Ongoing	
	Ongoing & Short-term	18. Create community gardens on campus with ties to curriculum as well as the campus food system	18.1 - Establish Campus Kitchen community garden	Ongoing	Karen Anderson, Assistant Director, Student Engagement
			18.2 - Create a community garden group	Fall 2015	
			18.3 - Identify potential site(s) for campus community garden	Fall 2015	
			18.4 - Plant community garden	Spring 2016	
			18.5 - Examine the possibility of reinigorating the currently defunct Campus Kitchen curriculum	?	
Category	Time-frame	Strategy	Action Steps	Timeline	Responsible Parties
Education and Communication	Ongoing & Short-term	19. Initiate student competitions around sustainability issues (waste, water, energy, etc.)	19.1 - Organize the parties necessary to sponsor student sustainability competitions	Fall 2015	Environmental Committee
			19.2 - Determine which categories of sustainability would be most effective for a competition	Fall 2015	
			19.3 - Create a test competition to be implemented after the Climate Action Plan is adopted	Spring 2016	
			19.4 - Continue, and maximize, participation in RecycleMania	Spring 2016 and beyond	
			19.5 - Consider how sustainability competitions could be tied to the concept of "Themed Years" as elaborated on in Strategy 22	Fall 2015	

Ongoing & Short-term Mid-Term	20. Support student-led sustainability initiatives including clubs, projects, etc.	20.1 - Help facilitate a campus culture that fosters, establishes, and helps sustainability-centered groups and organizations	Ongoing	Environmental Committee
	21. Integrate sustainability into the curriculum (create a sustainability degree, require coursework in sustainability to graduate, promote experiential learning and research projects)	21.1 - Compile and publish a comprehensive listing of courses related to sustainability and the environment within the current MSU course catalog	Ongoing	Environmental Committee Paul Prew, Associate Professor of Sociology and Corrections
		21.2 - Consider potential ties to educational components of the community garden project	2015-2016 Academic Year	
		21.3 - Consider the plausibility of re-defining the course offerings that fall under the General Education (GE) category of People and Environment	2015-2016 Academic Year and beyond	
		21.4 - Explore the opportunity of creating a sustainability sub-category in the Undergraduate Research Conference	2015-2016 Academic Year	
		21.5 - Examine the possibility of creating a graduation requirement that includes an environmental or sustainability awareness event	2016-2017 Academic Year	
		21.6 - If Action Step 21.5 is deemed untenable, consider the alternative of requiring a Service Learning project as part of graduation requirements	2016-2017 Academic Year	
Ongoing & Short-term	22. Create a "Themed Year" around a sustainability topic (water, energy, etc.) and the associated extra-curricular activities to support the theme	22.1 - Create a subcommittee of the Environmental Committee charged with developing and defining the concept of environmental/sustainability "Themed Years"	Fall 2015	Environmental Committee
		22.2 - Foster connections across campus with programs like Common Read (CR) to promote the "Themed Year" concept	Fall 2015 and beyond	
		22.3 - Develop an effective rollout campaign for the Climate Action Plan featuring speakers, campus activities, and opportunities for campus community engagement with the document	2015-2016 Academic Year	
		22.4 - Create a "Themed Year" cycle, to be in conjunction with Climate Action Plan re-evaluations	2015-2016 Academic Year	
Ongoing & Short-term	23. Increase sustainability-related communication	23.1 - Work to better utilize and publicize the University's Green Campus website	Fall 2015	Environmental Committee Paul Prew, Associate Professor of Sociology and Corrections
		23.2 - Establish how the campus community receives and synthesizes information	Fall 2015	
		23.3 - Consider the implementation of a sustainability E-Newsletter (if it is found that the campus community interfaces well with digital communication)	Fall 2015	
		23.4 - Create Environmental Tip Sheets derived from best practices on other campuses	Fall 2015	
Ongoing & Short-term	24. Create an Environment/Sustainability Living Learning Community	24.1 - Find and solidify potential interested parties in sponsoring a Sustainability Living Learning Community	2015-2016 Academic Year	Environmental Committee Ginger Zierdt, Interim Assistant Vice President for Undergraduate Education
		24.2 - Help said individual(s) establish a viable Academic Core for the LLC	2015-2016 Academic Year	
		24.3 - When possible, fulfill the annual call for the creation of a new LLC	As possible	
Ongoing & Short-term	25. Create a First Year Experience seminar course in sustainability	25.1 - Work with the Director of New Student and Family Programs to cultivate the necessary faculty/staff to teach a sustainability-related First Year Experience course	2015-2016 Academic Year	Environmental Committee Ginger Zierdt, Interim Assistant Vice President for Undergraduate Education Nicole Stock, Director of First Year Experience, New Student and Family Programs