

NETWORKING DIRECTORY - CLIMATE ADAPTATION IN MINNESOTA HIGHER EDUCATIONAL INSTITUTIONS

February 21, 2017 edition

NAME	POSITION	INSTITUTION	CONTACT INFORMATION	KEY INTERESTS (1= integrating into formal class curricula, 2= research, data collection and modeling, 3= outreach and education to Minnesota communities, 4=resilience of campus facilities and grounds, 5=Project based opportunities for students, 6=Involving campuses in social justice)	DESCRIPTION OF CLIMATE ADAPTATION ACTIVITIES
Allen, Kathy	Natural Resource Specialist	St. Mary's University of Minnesota	700 Terrace Heights, Box #7, Winona MN 55987, 507-457-8745, kallen@smumn.edu	3, 4, 5, 6	A student-led effort 2 years ago got solar panels put on the library roof.
Amel, Elise	Professor of Psychology, Faculty Director Office of Sustainability Initiatives	University of St. Thomas	JRCLL56, 2115 Summit Ave, St Paul MN 55105, 651-962-5046, elamel@stthomas.edu, www.stthomas.edu/psychology/faculty/elise-amel.html, www.stthomas.edu/osi/	1, 2, 5, 6	Our Sustainable Communities Partnership program connects St. Thomas courses with city-identified sustainability projects, including investigations and idea generation about climate adaptation. www.stthomas.edu/osi/sustainablecommunitiespartnership/
Armstrong, Alyssa	Student	Concordia College	Moorhead, MN, aarmstr1@cord.edu	5, 6	The Morris campus has been engaged with the city of Morris in an initiative titled "Morris Model." It includes extreme weather resilience dialogues, implementing the Green Steps Cities program, and exploring community owned solar garden.
Asche, Kelly	Program Coordinator	U of M, Morris	Welcome Center, 600 E. 4th Street, Morris, MN 56267, (320) 589-6453 kasche@morris.umn.edu, www.centerforsmalltowns.org	2, 3, 5	The Morris campus has been engaged with the city of Morris in an initiative titled "Morris Model." It includes extreme weather resilience dialogues, implementing the Green Steps Cities program, and exploring community owned solar garden.
Berg-Binder, Moni	Assistant Professor, Biology	St. Mary's University of Minnesota	700 Terrace Heights, Box #10, Biology, Winona MN 55987, 507-457-6989, mbergbin@smumn.edu	1, 5, 6	Solar panels were placed on campus through student-led efforts.

Bilotta, John	Extension Educator	U of M	173 McNeal Hall, 1985 Buford Ave, St Paul MN 55108, 612-624-7708, jbilotta@umn.edu, extension.umn.edu	2, 3	Climate adaptation modeling and community engagement through Extension Education thru Land Grant and Sea Grant Programs. Community Assessments.
Black, Katie	Student	Concordia College	701-400-9486, kblack@cord.edu		
Borsari, Bruno	Ph.D. - Professor of Biology	Winona State University	175 W Mark St. (Department of Biology), Winona MN 55987, 507-457-2822, bborsari@winona.edu, http://www.winona.edu/biology/faculty.asp	1, 2, 3, 4, 6	1. WSU offers a Sustainability Minor to students in any major. The minor is an interdisciplinary program of studies. 2. The Student Green Fee (SGF) provides funding for projects and resources to promote environmental sustainability and enhance the student experience at WSU. The SGF is a student initiative designed to increase WSU's effectiveness in integrating sustainability across the curriculum and student life so that all students are able to advance their knowledge, skills and awareness of environmental stewardship and sustainability. As such, the green fee will be used primarily for campus green projects, student work, education (workshops, conferences, presentations), and outreach. From: http://www.winona.edu/green/index.asp
Brands, Ed	Associate Professor of Environmental Studies	U of M, Morris	600 E 4th St, Morris MN, 320-589-6209, ebrands@umn.edu, http://academics.morris.umn.edu/environmental-studies/environmental-studies-faculty	1, 2, 3, 4, 5	Adoption of multiple (mainly renewable) energy sources http://www4.morris.umn.edu/sustainability/renewable-energy - Engagement with the Morris community with regard to community resilience (regarding severe weather and other climate change impacts) http://www.morrismodel.org/ - Inclusion of climate change curricula in multiple courses in environmental studies and other disciplines
Brown, Elissa	Sustainability Coordinator	College of Saint Benedict	37 South College Ave, St Joseph MN 56374, 320-363-5390, ebrown001@csbsju.edu, www.csbsju.edu	1, 2, 3, 4, 5, 6	Recognition of climate change and goals for climate adaptation are incorporated into our recently completed Landscape Master Plan.
Cadieux, Valentine	Director of Sustainability	Hamline University	sustainability@hamline.edu , sustainability.hamline.edu	1, 2, 3, 4, 5, 6	
Chen, Xin	Graduate Student	U of M, Twin Cities	chen3849@umn.edu	1, 2, 3, 5, 6	

Chevalier, Tony	Landscape Architect / Adjunct Professor	U of M, Minneapolis	2904 Fairmount St SE, Ste 150, Minneapolis MN 55414, 612-282-9387, chev0016@umn.edu	1, 4, 5	Turf conversion projects throughout Twin Cities' campus...i.e. Mondale Urban Meadow
Dontje, James	Director, Johnson Center for Environmental Innovation	Gustavus Adolphus College	800 W College Ave, St Peter MN 56082, 507-933- 7206, jdontje@gustavus.edu, Gustavus.edu	1, 2, 3, 4, 5, 6	Stormwater from about 1/3 of the developed campus is routed to pond in our landscape arboretum. We have an extensive area of developing prairie landscaping on campus.
Downey, Victoria	Geography Instructor, Co- Chair Sustainability Committee	Anoka-Ramsey Community College	11200 Mississippi Blvd NW, Coon Rapids MN 55433, 763-422-6078, Victoria.Downey@anokaramsey.edu, www.anokaramsey.edu	1, 3, 4, 5, 6	Our January 2017 Faculty Development Days, "Sustainability—Educating Today for a Greener Tomorrow" focused on teaching a practicing sustainability on campus, and included a number of amazing local and national guest speakers, including Pandora Thomas, Suzanne Savanick Hansen (Macalester College), Valentine Cadieux (Hamline University), Troy Goodnough (U of M, Morris), Tracy Ore (St. Cloud State), Erin Rupp (Pollinate Minnesota), August Hoffmann (Metro State) and more. The newly formed ARCC Sustainability Committee was able to encourage the Facilities Department to purchase recycling bins for every classroom in Fall 2016. We previously had recycling bins in the hallways, but only trash bins in the classroom. The Committee is now in discussion with numerous community partners to potentially add organics recycling on campus.
Etterson, Julie	Professor of Biology	U of M, Duluth	207A Swenson Science Bldg, Duluth MN 55812, 218-726-8110, jetterso@d.umn.edu, www.d.umn.edu/biology/faculty/etterson.html	1, 2, 3, 4, 5, 6	Research expertise: Evolution of wild plant populations to climate change, restoration ecology, ecological genetics, seed banking to study evolution over the next 50 years see: http://baselineseedbank.org - Curriculum development in STEM

Faass, Irene P.	Professor, English and Women's Studies	Minneapolis Community and Technical College	1501 Hennepin Ave, Minneapolis MN 55403, 612-659-6082, irene.faass@minneapolis.edu	1, 4, 5, 6	Rain gardens and sustainable landscaping between buildings Reduced ~40% energy use in past few years with updated facilities Student-run organic garden providing food (and opportunities for working and learning) for students Student-run organizations responding to intersectional climate justice issues
Farrah, Kaelie	English Professor	North Hennepin Community College	1247 Hubbard Ave, St Paul MN 55104, 763-488-0484, kfarrah@nhcc.edu	1, 3, 4, 5, 6	1. North Hennepin Community College has an Environmental Association student club. http://nhcc.edu/student-life/clubs-and-organizations/ea 2. Every spring North Hennepin Community College has an Earth Week full of events and guest speakers. http://www.nhcc.edu/earthweek
Foster, Kenneth	Associate Professor, Political Science, and Chair of the President's Sustainability Council	Concordia College	901 8th St S, Moorhead MN 56562, 218-299-3528, foster@cord.edu, http://www.concordiacollege.edu/directories/faculty-staff/detail/dr-kenneth-w-foster	1, 3, 5, 6	
Franz, Jeanne	Professor of Chemistry and Director of Sustainability Studies Program	Winona State University	175 W Mark St. (Department of Chemistry), Winona MN 55987, 507-457-5297, jfranz@winona.edu, http://www.winona.edu/sustainability-minor/	1, 2, 3, 5	Food equity is an important sustainability value at Winona State. Please see our web site for more information (www.winona.edu/food equity). To address food equity, a community garden will be established this spring. The community garden will give students an opportunity to learn how to grow and maintain a garden, an important life skill especially as changes to climate make healthy food more expensive. The majority of our students experience food insecurity at some point during the month. Unfortunately, the joke about ramen noodles as a main staple of the college students' diet holds. We have recently established a food shelf for our students to address this issue.

Frisch, John	Research Technician	U of M, Duluth	Natural Resources Research Institute, 5013 Miller Trunk Hwy, Duluth MN, FRISCO48@d.umn.edu	2, 3, 5	
Fritz-Smead, Kent	Faculty, Co-Chair Sustainability Committee	Minneapolis Community and Technical College	1501 Hennepin Ave, Minneapolis MN 55403, 612-659-6582, kent.smead@minneapolis.edu	4, 5, 6	1. Student managed food garden which distributes over 1,000 lbs of organic vegetables free to student community. Include wellness related educational component. 2. Student run composting of food and coffee grounds collected from multiple points on campus. 3. Student run "Bicycle Loaner to Owner Program" including distribution of re-conditioned bikes to students in need involving bike mechanics diagnosis and repair instruction.
Gannett, Sadie	Graduate Student	U of M, Twin Cities	gann0035@umn.edu	2, 3, 4, 6	
Gill, Haley	Office of Sustainability Intern	U of M, Morris	600 E 4th St, Morris MN 56267, Gillx221@morris.umn.edu	1, 2, 3, 5, 6	
Goodnough, Troy	Sustainability Director	U of M, Morris	Welcome Center, 600 E. 4th Street, Morris, MN 56267, (320) 589-6303, 814-322-6531, good0044@morris.umn.edu, morris.umn.edu	1, 2, 3, 4, 5, 6	1. We have joined the Second Nature Climate Commitment. 2. We have started an initiative called "the Morris Model" which is focused on building community resilience. 3. We have hosted community meetings to increase community knowledge about extreme weather change and climate.

Granley, Mindy	Sustainability Director	U of M, Duluth	1208 Kirby Dr, 245 Kirby Center, Duluth MN 55812, 218-349-7685, mgranley@d.umn.edu, www.d.umn.edu/sustain, Twitter/Instagram: @umdsustain	2, 3, 4, 5	<p>The UMD has an aggressive tree replacement policy within our stormwater regulations for campus projects.</p> <p>https://policy.umn.edu/operations/environment-appc -</p> <ul style="list-style-type: none"> • BMP 5a-1 Tree Preservation, Protection, and Planting - The Tree Preservation, Protection, and Planting BMP recognizes the important role trees play in storm water management. The BMP's goal is to protect the larger mature trees and replace those that must be removed. It also supports the UMD Master Plan's vision of inviting the northern forest environment into the campus by placing a high value on existing mature trees. UMD students formed a Solar University Network Delegation (SUN Delegation), to promote use of solar on campus. They pursued Student Service Fee funding and are currently designing a solar pavilion installation on campus. • Link to SUN Delegation • Year of Solar Work at UMD slide presentation • SUN Delegation presentation at SELFsustain • Helping Students Lead on Solar poster presentation at AASHE 2016
Greco, Mike	Director, Resilient Communities Project	U of M, Twin Cities	Center for Urban and Regional Affairs (CURA), 301 19th Ave S, 330 HHHSPA, Minneapolis MN 55455, 612-625-7501, mgreco@umn.edu, www.rcp.umn.edu, @RCPumn (Twitter, Facebook)	1, 3, 5, 6	<p>Understanding Climate Change:</p> <p>http://climatechange.cs.umn.edu - Global Adaptation Initiative, http://environment.umn.edu/grant/climate-change-adaptation/</p>

Green, Allyson	Chief Sustainability Officer, Campus Kitchen Director	Augsburg College	2211 Riverside Ave CB108, Minneapolis MN 55454, 612-330-1624, greena@augsborg.edu , http://www.augsburg.edu/green/ , http://www.augsburg.edu/campuskitchen/	1, 5, 6	Nothing has specifically been done as "climate adaptation" but we have some initiatives that could definitely fall in that category: - Rain gardens - Urban Arboretum in planning stages with changing climate in mind for tree selection: http://www.augsburg.edu/campuskitchen/ - Community garden with a newly started (and very tiny!) seed bank: http://www.augsburg.edu/campuskitchen/what-we-do-2/communitygarden/
Griffin, Daniel	Assistant Professor of Geography	U of M	267 19th Ave S, 414 Social Science Bldg, Minneapolis MN 55455-0405, 612-625-2562, griffin9@umn.edu , z.umnedu/dg	1, 2, 3, 4	
Gunvalson, Kelsey	Undergraduate Student	U of M, Duluth	218-368-0584, gunva006@d.umn.edu	2	
Gutknecht, Jessica	Assistant Professor	U of M, Twin Cities	Department Soil, Water and Climate, 1991 Upper Buford Circle, 439 Borlaug Hall, St Paul MN 55108, 612-626-8435, jgut@umn.edu , jessgutknecht.wordpress.com	1, 2, 3, 4, 5, 6	I'm not sure. I study how soils wetlands/rain gardens can mediate adaptation through building natural soil functions.
Heintz, Kristi	Sustainability Coordinator	Lake Superior College	2101 Trinity Rd, Duluth MN, 218-733-7731, k.heintz@lsc.edu , http://www.lsc.edu/about-lsc/sustainability/	2, 3, 4	Campus Landscape Plan includes primarily no-mow strategies aimed at stormwater infiltration and creation of pollinator habitat. Over half of our appx 26 acre developed site is covered by or designed to flow toward vegetated infiltration basins or an underground infiltration structure. Since 1999, 300+ trees are planted annually on our developed property perimeter along the Miller Creek corridor, as part of an ongoing northern hardwood restoration project. Interpretive signs line both the Miller Creek corridor and dot the larger landscape, providing educational opportunity for the community. Formal A.A. Direct Transfer articulation agreement with UW Superior's Sustainable Management degree.

Houfer, Mike	Facilities Manager	Century College	White Bear Lake, MN, Mike.houfer@century.edu, Century.edu	4	We have replaced our HPS outside parking lot lights with LED lights saving several thousand dollars in utility bills and bulb replacement labor. We have cut the facilities water usage by 40% by replacing old water-cooled equipment with high efficiency air-cooled equipment. We also added condensate boilers to one of our campuses.
Ihde, Benjamin	Graduate Research Assistant	U of M, Minneapolis	Humphrey School of Public Affairs, 301 19th Ave S, 307, Minneapolis MN 55455, 414-530-6141 (cell), Ihdex014@umn.edu	2, 3, 5	Recent subscription to a community solar garden - https://twin-cities.umn.edu/news-events/u-m-buys-community-solar-subscription
Johnson, Gary	Professor/Extension Professor of Urban and Community Forestry	U of M, St. Paul	115 Green Hall, 1530 Cleveland Ave N, St Paul MN 55108, 612-625-3765, johnson054@umn.edu, www.trees.umn.edu, mntreesource.com; urbangreenforpeople.com	1, 2, 3, 5	1. The University of Minnesota's Twin Cities campus is replacing high maintenance groundcovers (i.e., high nutrient and water consumption) with low-maintenance turf grass blends of several fescue species. Areas that do not require closely cropped grass ground covers are slowly being converted to these low maintenance options: spaces between buildings, behind buildings, near parking lots and even some boulevards. 2. As streets are redesigned and/or reconstructed, pervious pavement over engineered soils (high mineral content instead of organic matter) are incorporated into the infrastructure. The trees planted in these areas perform better due to the increased oxygen diffusion rate, and the engineered soils become practical water containment areas. The most common pervious surface materials used are dry-laid pavers (concrete or brick) with coarse sand or trap rock brushed into the joints.
Klink, Kathy	Faculty	U of M, Minneapolis	Department of Geography, Environment and Society 414 Social Sciences Bldg., Minneapolis MN 55455 612-625-3453 - klink@umn.edu, z.umn.edu/klink	1, 2, 3, 4, 5, 6	I teach on topics related to climate variability and change, including human/environmental impacts. Ongoing research projects include wind climatology and connections to wind energy. I have both personal and professional interests in environmental sustainability.
Kochsiek, Amy	Visiting Assistant Professor	Gustavus Adolphus College	800 W College Ave, St Peter MN 56082, 402-215-9451, akochsie@gustavus.edu	1, 2, 3, 4, 5, 6	

Kowalczak, Courtney	Environmental Institute Director	Fond du Lac Tribal and Community College	2101 14th St, Cloquet MN 55720, 218-879-0862, courtneyk@fdltcc.edu, Fdltcc.edu	1, 2, 3, 4, 5	Currently we have a NASA grant that is focused on climate change impacts on tribal lands. This has given us opportunities to provide outreach to the community and involved our college students in research and internships that focus on climate change impacts in our region. Our sustainability program has supported redesign of campus infrastructure to provide hands-on opportunities for our students to learn about climate change and resiliency by focusing on carbon footprint, food sovereignty, and ecology impacts.
Larson, Martha	Manager of Campus Energy and Sustainability	Carleton College	1 N. College St, Northfield MN 55057, 507-222-7893, mlarson@carleton.edu, go.carleton.edu/sustainability	4, 6	Utility Master Plan transitioning from steam to hot water campus distribution system able to integrate high efficiency and renewable energy technologies.
Lembeck, Shanda	Doctoral Nursing Student	U of M	2565 Franklin Ave #108, St Paul MN 55114, 612-619-5162, demor020@umn.edu, hpforhc.org	1, 5, 6	Health Professionals for a Healthy Climate. Health Students for a Healthy Climate - registered student group. www.hpforhc.org (on Facebook too)
Light, Joel	Graduate Program Director, Master of Science in Biology	University of Northwestern	3003 Snelling Ave N., St Paul, MN 55113, 651-286-7465, jdlight@unwsp.edu	1, 3, 5, 6	My work focuses on climate change attitudes, beliefs and perceptions of Evangelicals. I am working on how to best engage this group in acceptance of and action against climate change.
Lutz, Jordan	Graduate Student	Bemidji State University	218-280-3661, jtclutz@gmail.com	3, 4, 5	
Manning, Christie	Visiting Assistant Professor, Environmental Studies	Macalester College	1600 Grand Ave, St Paul MN 55105, 651-696-6164, cmanning@macalester.edu	1, 3, 6	Ready and Resilient Saint Paul – a campus and community collaborative project to bring residents together for discussion of local climate impacts and adaptation measures.
Mason, Meghan	Assistant Professor	St. Catherine University	2004 Randolph Ave. #4177, St Paul MN 55105, 651-690-6675, mrmason@stkate.edu, https://www.stkate.edu/academics/our-faculty/meghan-mason @stkatepubh	1, 6	
Merrick, Glenn	Biology Instructor	Lake Superior College	g.merrick@lsc.edu	1, 2, 5	

Miller, Alexandra	Sustainability Program Coordinator	Carleton College	Facilities 301, One North College St, Northfield MN 55057, 507-222-6004, amiller3@carleton.edu, https://apps.carleton.edu/sustainability	3, 4, 5, 6	We are currently in the process of writing a zero waste plan for the campus. This includes things like service optimization, data collection, education and training, research into additional streams for items and procurement. Annually, our office hosts Climate Action Week that has grown to 2 weeks of events. This year's events can be seen below. This is a collaboration between student organizations, the Environmental Advisory Committee (made up of faculty, staff and students), the Sustainability Office, Center for Civic and Community Engagement and the community of Northfield. https://apps.carleton.edu/sustainability/action/CAW_2017/
Milun, Kathryn	Associate Professor Anthropology	U of M, Duluth	Soc./Anth Department, 218-726-7071, kmilun@d.umn.edu, solarcommons.org	1, 2, 3, 4, 5, 6	The UMD campus has a 10 acre organic farm which functions as a "land lab" for energy/water/food nexus projects: student training, faculty research, community outreach.
Mohan, Ned	Professor of ECE	U of M - Twin Cities	Minneapolis, mohan@umn.edu, www.ece.umn.edu/~mohan , www.cusp.umn.edu ; http://z.umn.edu/ee1701	1, 2, 3, 6	1. Please consider attending our NSF-sponsored workshop described on www.cusp.umn.edu . 2. If you are a high school teacher and would like to have a speaker give a talk in your science class on the environment, please let me know – I will be glad to give such a talk. - If your school has a course on world cultures/religions, I will be glad to give a presentation as I have done at several schools, based on the resources that I have compiled – all free to download: www.hinduismresource.com
Moss, Paul	MPCA Climate Adaptation Coordinator	Minnesota Pollution Control Agency	520 Lafayette Rd. N., St. Paul, MN 55155, 651-757-2586, paul.moss@state.mn.us, https://www.pca.state.mn.us/air/adapting-changing-climate	1, 2, 3, 4, 5, 6	Coordinated workshop on "Climate adaptation in Minnesota higher educational institutions" on January 31, 2017. Interested in fostering collaboration between Minnesota colleges and universities on climate adaptation.
Naughton, Wendy	Chemistry Instructor	Minneapolis Community and Technical College	1501 Hennepin Ave, Minneapolis MN 55403, 612-659-6065, wendy.naughton@minneapolis.edu	1, 2	Urban Farm - Student run and maintained food garden, Sustainability Committee

Nelson, Kristen C.	Professor	CFANS, U of M, St. Paul	2221 Hillside Ave, St Paul MN 55108, 612-624-1277, nelso468@umn.edu	2, 3, 6	Would anyone want to be a demonstration site for "vegetation transitions" - could be fine fescue grass from Kentucky Bluegrass. Could be hosted by a student group, facility services, sustainability office. Could we learn about transition barriers/successes? Could be on private land (maybe) or public land - city land or campus.
Neville, Melinda	Earth Systems Science Program Director	Leech Lake Tribal College	6945 Little Wolf Rd NW, Cass Lake MN 56632, melinda.neville@lltc.edu	1, 2, 5, 6	
Ortberg, Cassandra	Energy Intern	U of M, Duluth	763-898-6407, ortbe004@d.umn.edu	2, 3	
Perry, Vanessa	Research Assistant	U of M	612-499-1019, perry497@umn.edu	1, 2, 3, 5, 6	The Center for Changing Landscapes (http://www.changinglandscapes.umn.edu/) is hosting a monthly series called Climate Connections. Each month features speakers, discussion, and networking time related to a specific climate related topic. Information can be found at the Center For Changing Landscapes website, twitter, or reach me personally.
Petersen, Sarah	Fellow, Office of Sustainability	Hamline University	120 Drew Science, Hamline U, 1536 Hewitt Ave., St Paul MN 55104, 612-414-7768 (cell), spetersen04@hamline.edu, sustainability.hamline.edu	1, 2, 3, 4, 5, 6	

Price, Kris	General Maintenance Lead	Century College	3300 Century Ave N, White Bear Lake MN 55110, 651-285-6094, Kris.price@century.edu, www.century.edu	2, 4, 5
Reuter, Krysta	Emergency Management Coordinator	U of M	Department of Emergency Management, 2221 University Ave SE, Suite 140, Minneapolis MN 55414, 612-626-1518, kreuter@umn.edu, dem.umn.edu	2, 3, 4
Roquet, Deanne	Science Faculty	Lake Superior College	2101 Trinity Rd, Duluth MN 55811, 218-733-7780 d.roquet@lsc.edu, www.lsc.edu	1, 5
Rose, Fred	Acara Director, Institute of the Environment	U of M - Twin Cities	rosex122@umn.edu	1, 3, 5

RecycleMania runs this year from February 5th thru April 1st , RecycleMania is a friendly competition and benchmarking tool for college and university recycling programs to promote waste reduction activities to their campus communities. Over an 8-week period each spring, colleges across the United States and Canada report the amount of recycling and trash collected each week and are in turn ranked in various categories based on who recycles the most on a per capita basis, as well as which schools have the best recycling rate as a percentage of total waste and which schools generate the least amount of combined trash and recycling. With each week's updated ranking, participating schools follow their performance against other colleges and use the special traveling trophy for the coming year. **Overall Goals for RecycleMania:** 1. Motivate students and staff to increase recycling efforts and reduce waste generation. 2. Generate attention and support for campus recycling programs. 3. Encourage colleges to measure and benchmark recycling activity in their effort to improve their programs over time. 4. Have a fair and friendly competition.

The LSC Sustainability Council has taken several steps to encourage our campus to reduce greenhouse gas emissions over the past decade. These efforts have included energy efficient lighting throughout campus and updated ways of heating and cooling our buildings. The Council has also sponsored Earth Day activities each year to expose students to ideas of operating in a sustainable fashion.

Sabin, Jessalyn	Instructor	Hibbing Community College	1515 E 25th St, Hibbing MN 55746, 218-262-6722 jessalynsabin@hibbing.edu, hibbing.edu	1, 3, 4, 6
Savanick Hansen, Suzanne	Sustainability Manager	Macalester College	1600 Grand Ave, St Paul MN 55105, 651-696-6019, Shansen2@macalester.edu, www.macalester.edu/sustainability	1, 2, 3, 4, 5, 6
Sinclair, Madelaine	Student/Sustainability Intern	U of M, Duluth	sincl103@d.umn.edu	3, 5
Smith, Patrick	Research Fellow	U of M, Twin Cities	Center for Sustainable Building Research at U of MN, 1425 University Ave SE, Suite 115, Minneapolis, MN 55455, 612-626-9709, smit2059@umn.edu, csbr.umn.edu	2, 4, 5
Smyth, Corbin J	Associate Vice Chancellor, Student Life	U of M, Duluth	1208 Kirby Dr, Duluth MN 55812-3085, 218-726-8501, csmyth@d.umn.edu	4, 5
Stennes, Shane	Director of Sustainability	U of M, Minneapolis	319 - 15th Ave SE, 300 Donhowe Bldg, Minneapolis MN 55455, 612-626-2588, stennes@umn.edu, italladdsup.umn.edu	4, 5
Strain, Sarah	Student/Master of Urban Regional Planning	U of M	952-232-7462, Strai063@umn.edu	3, 4, 6

The Sustainability Office has developed a Living Laboratory website to help students with using our campus as a sustainability educational tool (<https://www.macalester.edu/sustainability/living-laboratory/>)

Sweatman, Jennifer	Assistant Professor	Concordia College	901 8th St S., Moorhead MN 56562, 218-299-3839, jsweatman@cord.edu	1, 2, 3, 4, 5, 6	Waste Audits are incorporated into the environmental studies curriculum to increase student awareness and monitor the amount of waste generated on campus. Concordia is working toward increasing energy efficiency, reducing water use, and reducing municipal and food waste on campus. Some of the food served in dining services is purchased from local farms, and students interns work in the campus garden and High Tunnel. https://www.concordiacollege.edu/about/sustainability/campus-operations/ Students and Professors are leading biodiversity projects on campus and in the Fargo/Moorhead community: *One group of students is restoring their yard to a more pollinator-friendly prairie habitat. They hope to use their yard as a model for others in the Fargo/Moorhead community. *Similarly, a separate group of students is working to establish relationships with local officials to make Fargo/Moorhead a bee friendly community. *A monitoring program will be established this summer to study the impacts of native habitats in urban environments on preserving biodiversity. *Prairie and shoreline restoration has occurred at CC's Long Lake research facility (). Students use this habitat in their classes (Ecology, Ecosystems and Human Influence, Environmental Ethics, Religion and Ecology).
Terry, Karen	Extension Educator, Water Resources	U of M, Morris	46352 State Hwy 329, Morris MN 56267, 218-770-9301, kterry@umn.edu, extension.umn.edu/environment/water/	1, 3, 4	
Turner, Elizabeth	Lecturer, Architect and Campus Planner	U of M, Minneapolis	3564 Cleveland St NE, Minneapolis MN 55418, 612-704-2251, elizabethlouiseturner@gmail.com	1, 2, 3, 4, 5, 6	SUST4004, a capstone project course for students in the Sustainability Studies Minor, includes resilience in the course curriculum and engages students in project-based learning with community and campus partners.
Wertanen, Deborah	Faculty	Minneapolis Community and Technical College	1501 Hennepin Ave, Minneapolis, MN 55403, 612-659-6439, deborah.wertanen@minneapolis.edu	1, 3, 5, 6	

Westrate, Samantha	Sustainability Coordinator	Concordia College	901 8th St S, Moorhead MN 56560, 218-299-3071, westrate@cord.edu, www.concordiacollege.com	1, 3, 4, 5	Working on climate action plan
Ziring, Emily	Sustainable Facilities Program Manager	Minnesota State Colleges and Universities	651-201-1547, emily.ziring@so.mnscu.edu, www.minnstate.edu	2, 4	