ACKNOWLEDGEMENTS

We thank the following colleges and universities for their work in reporting their accomplishments, and sending data and photographs that formed the content of this report:

Alexandria Technical College
Anoka Technical College
Anoka-Ramsey Community College
Bemidji State University - Northwest Technical College
Central Lakes College
Century College
Dakota County Technical College
Fond du Lac Tribal and Community College
Hennepin Technical College
Inver Hills Community College
Lake Superior College
Metropolitan State University
Minneapolis Community and Technical College
Minnesota State College-Southeast Technical
Minnesota State Community & Technical College
Minnesota State University, Mankato
Minnesota State University Moorhead
Minnesota West Community & Technical College
Northeast Higher Education District
    Hibbing Community College
    Itasca Community College
    Mesabi Range Community and Technical College
    Rainy River Community College
    Vermilion Community College
Normandale Community College
North Hennepin Community College
Northland Community & Technical College
Pine Technical College
Ridgewater College
Riverland Community College
Rochester Community & Technical College
South Central College
Southwest Minnesota State University
Saint Paul College
St. Cloud State University
St. Cloud Technical and Community College
Winona State University
# CONTENTS

## ACKNOWLEDGEMENTS

## INTRODUCTION

## EXECUTIVE SUMMARY

1 BUILDINGS 2
2 CAMPUS ENERGY 3
3 WATER 4
4 FOOD 5
5 WASTE 6
6 TRANSPORTATION 7
7 LANDSCAPE 8
8 CULTURE AND PROCESS 9
9 PURCHASING 10
10 CARBON EMISSIONS 11
11 OTHER 12

## INSTITUTIONAL SUMMARIES

<table>
<thead>
<tr>
<th>Institution</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexandria Technical College</td>
<td>13</td>
</tr>
<tr>
<td>Anoka Technical College</td>
<td>15</td>
</tr>
<tr>
<td>Anoka-Ramsey Community College</td>
<td>17</td>
</tr>
<tr>
<td>Bemidji State University - Northwest Technical College</td>
<td>19</td>
</tr>
<tr>
<td>Central Lakes College</td>
<td>22</td>
</tr>
<tr>
<td>Century College</td>
<td>24</td>
</tr>
<tr>
<td>Dakota County Technical College</td>
<td>26</td>
</tr>
<tr>
<td>Fond du Lac Tribal and Community College</td>
<td>29</td>
</tr>
<tr>
<td>Hennepin Technical College</td>
<td>31</td>
</tr>
<tr>
<td>Inver Hills Community College</td>
<td>33</td>
</tr>
<tr>
<td>Lake Superior College</td>
<td>35</td>
</tr>
<tr>
<td>Metropolitan State University</td>
<td>37</td>
</tr>
<tr>
<td>Minneapolis Community and Technical College</td>
<td>39</td>
</tr>
<tr>
<td>Minnesota State College-Southeast Technical</td>
<td>41</td>
</tr>
<tr>
<td>Minnesota State Community &amp; Technical College</td>
<td>43</td>
</tr>
<tr>
<td>Minnesota State University, Mankato</td>
<td>45</td>
</tr>
<tr>
<td>Minnesota State University Moorhead</td>
<td>47</td>
</tr>
<tr>
<td>Minnesota West Community &amp; Technical College</td>
<td>49</td>
</tr>
</tbody>
</table>
Northeast Higher Education District
  Hibbing Community College  52
  Itasca Community College  54
  Mesabi Range Community and Technical College  56
  Rainy River Community College  60
  Vermilion Community College  62
Normandale Community College  64
North Hennepin Community College  66
Northland Community & Technical College  68
Pine Technical College  72
Ridgewater College  73
Riverland Community College  75
Rochester Community & Technical College  77
South Central College  79
Southwest Minnesota State University  82
Saint Paul College  85
St. Cloud State University  87
St. Cloud Technical and Community College  90
Winona State University  93
Sustainability 2010 is intended to report accomplishments and document progress towards Minnesota State Colleges and Universities system-wide goals for achieving sustainable campuses. The Minnesota State Colleges and Universities 2010 Action Plan approved by the Board of Trustees in 2009 highlights Energy Efficiency as one of the areas of focus under “Strategic Direction 4: Innovate to meet current and future needs.” This includes reporting to the Board on accomplishments towards achieving sustainable campuses.

The process to develop Sustainability 2010 included the following steps:
First, a survey tool was developed by the Center for Sustainable Building Research (CSBR) at the University of Minnesota. The tool drew from CSBR's sustainability metrics. It also references: previous campus sustainability research conducted by CSBR, Concordia College and University of Minnesota Crookston, and other national examples of sustainable campus measurement and tracking systems such as the Association for the Advancement of Sustainability in Higher Education (AASHE)'s STARS system, and the Pennsylvania University system-wide sustainability tracking.

Second, a brief pilot of the survey tool was conducted with three participating institutions: Bemidji State University, Central Lakes College and Dakota Country Technical College. Based on the feedback received, the final survey tool was developed and sent to all Minnesota State Colleges and Universities institutions for data collection. The final survey tool included questions related to the following 11 topic categories: Buildings, Campus Energy, Water, Food, Waste, Transportation, Landscape, Culture and Process, Purchasing, Carbon Emissions and Other.

Finally, the data self-reported by the institutions was analyzed and compiled into this report.

Sustainability 2010 focuses on establishing a baseline of the accomplishments and activities around state-wide campus sustainability for fiscal year 2010. The report is expected to be updated annually. The tool and questions asked will evolve as appropriate to include qualitative and quantitative data from campuses over the long-term to support system wide goals towards achieving sustainable campuses.
1. BUILDINGS

Buildings account for 40% of energy use and 60% of all global warming emissions. Campuses play a huge role in contributing to or mitigating the effects of climate change through the materials used, energy consumed and health involved with a concentration of large buildings.

Campuses self-evaluation was in five categories: Indoor Air Quality, Building Operation, Building Materials, Building Assessment Systems, and Evening Class Availability. Below are summary highlights of responses from all campuses:

- **Make an effort to improve Indoor Air Quality**
  - Yes: 92%
  - No: 8%

- **Monitor Indoor Air Quality**
  - Yes: 38%
  - No: 62%

- **Purchase green building materials**
  - Yes: 90%
  - No: 10%

- **Recycle construction materials**
  - Yes: 72%
  - No: 28%

- **Classes scheduled to maximize energy efficiency**
  - Yes: 59%
  - No: 41%

- **Have buildings which have received (or are in the process of receiving) LEED or B3 certification**
  - Yes: 23%
  - No: 77%

- **Have an active preventative maintenance program**
  - Yes: 82%
  - No: 18%

Lake Superior College is the Minnesota State Colleges and Universities' first LEED certified building.
2. CAMPUS ENERGY

The types of fuel used for energy, and the efficiency of heating/cooling systems play a major role in campus sustainability. By evaluating campus energy use, measures can be taken to reduce a large percentage of energy use without major changes to buildings.

Campus energy is one of the largest opportunities for sustainable improvements. Campus self-evaluation related to energy was in twelve categories: B3 Assessment System, Conservation Plan, Energy Management, Lighting Sensors, Lighting Controls, Timers for Temperature, LED Lighting, Vending Machine Sensors, Tracking, Recommissioning, Energy Savings Contracts and Renewable Energy Sources. Below are summary highlights of responses from all campuses:

- **Update the B3 system**
  - Yes: 85%
  - No: 15%

- **Have an energy conservation plan**
  - Yes: 26%
  - No: 74%

- **Use energy management system to control HVAC running time**
  - Yes: 90%
  - No: 10%

- **Use LED lighting**
  - Yes: 49%
  - No: 51%

- **Use lighting sensors**
  - Yes: 90%
  - No: 10%

- **Use interior lighting controls**
  - Yes: 92%
  - No: 8%

- **Have timers for temperature control**
  - Yes: 92%
  - No: 8%

- **Use CO sensors**
  - Yes: 67%
  - No: 33%

- **Have a building energy management plan**
  - Yes: 62%
  - No: 38%

- **Have vending machine sensors**
  - Yes: 33%
  - No: 67%

- **Track energy consumption**
  - Yes: 62%
  - No: 38%

- **Recommission buildings**
  - Yes: 46%
  - No: 54%

Minnesota West Community Technical College Canby campus was the first to have a small wind turbine. It is used in the Wind Technology program.
3. WATER

There are a variety of opportunities to reduce water consumption on campuses. By reducing campus water consumption, institutions can reduce pressures on local aquifers, streams, rivers, lakes and aquatic wildlife. By decreasing storm water runoff and treating storm water on site, institutions can help replenish natural aquifers, reduce erosion impacts, and minimize local water contamination.

Campus self-evaluation was in seven categories: Water consumption, Low Flow Urinals/Toilets, Stormwater Management, Building Water Metering, Non-potable Water Usage, Xeriscaping (vegetation which does not require irrigation) and Weather-Informed Irrigation. Below are summary highlights of responses from all campuses:

- **Have taken measures to reduce water consumption**: Yes 69%, No 31%
- **Use xeriscaping landscaping techniques**: Yes 26%, No 74%
- **Have implemented programs/policies to reduce stormwater runoff**: Yes 54%, No 46%
- **Have a Stormwater Pollution Prevention Plan**: Yes 51%, No 49%
- **Have weather informed Irrigation**: Yes 31%, No 69%
- **Have building water consumption meters**: Yes 26%, No 74%
- **Century College worked with seven wetland districts and invested in a filtration system to assist in parking lot drainage.**
4. FOOD

Encouraging the use of local foods in an area that is a primary food producer in our country will empower and educate students, faculty and administration on the importance of being aware of food production. Using local foods will also stimulate the regional economy.

Campus self-evaluation was in ten categories: Sustainability issues, Local Foods, Dining Room Waste, Trayless Dining, Vegetarian and Vegan Dining, Trans-Fats, Pre-consumer Food Waste Composting, Post-Consumer Food Waste Composting, Food Donation and Recycled Content Napkins. Below are summary highlights of responses from all campuses:

St. Cloud State University has students participating in a transit program. In addition, the campus has a bio-diesel bus that runs on vegetable oil grease formerly used in the cafeteria.
5. WASTE

Recycling and waste management are important for campus sustainability because addressing these issues can reduce greenhouse gas emissions. According to the EPA, the disposal of solid waste produces greenhouse gas emissions in a number of ways. First, the anaerobic decomposition of waste in landfills produces methane, a greenhouse gas 21 times more potent than carbon dioxide. Second, the incineration of waste produces carbon dioxide as a by-product. In addition, the transportation of waste to disposal sites produces greenhouse gas emissions from the combustion of the fuel used in the equipment. Finally, the disposal of materials indicates they are potentially replaced by new products; this production often requires the use of fossil fuels to obtain raw materials and manufacture the items, causing additional emissions.


- Have a waste reduction policy: yes 21%, no 79%
- Have a reuse policy: yes 18%, no 82%
- Have a recycling policy: yes 77%, no 23%
- Divert Construction and Demolition wastes: yes 62%, no 38%
- Have an E-waste recycling/reuse program: yes 95%, no 5%
- Proper hazardous waste disposal program: yes 100%
- Have student printing limits: yes 56%, no 44%
- Obtain online materials (course catalogue and schedule): yes 69%, no 31%
- Implemented a Chemical Reuse Inventory: yes 26%, no 74%
- Have a move-in waste reduction program: yes 18%, no 82%
- Have a move-out waste reduction program: yes 21%, no 79%
- Have explored a no-waste policy: yes 10%, no 90%

Unique ‘see thru’ recycle bins have improved campus recycling at the Minnesota State University Moorhead.
6. TRANSPORTATION

Modes of transportation for both students and faculty commutes can greatly affect the greenhouse gases emissions. By providing and supporting alternative forms of transportation (bicycling, rideshare, walking, etc.) the campus can encourage this reduction in emissions. Campuses can help shape markets by creating demand for and enhancing the visibility of more efficient vehicles and cleaner fuels that reduce greenhouse gas emissions and improve local air quality.

Campus self-evaluation was done in nineteen categories: Student Commute, Employee Commute, Ride Share Program, Car Share Program, Public Transportation, Special Parking, Bicycle Sharing, Facilities for Bicyclists, Bicycle Plan, Condensed Work Week, Telecommuting, Carpool Matching, Cash-out of Parking, Carpool Discount, Local Housing, Prohibiting Idling, Air Miles, Local Offsets Programs and Campus Fleet. Below are summary highlights of responses from all campuses:

Winona State University was the first campus to invest in a 'Zip Car' where students may purchase use of a car for one hour to one day.
The role of landscape around the campus and on the campus grounds can play a role in sequestering carbon. Care must be taken to consider the impact building in certain areas will have on wildlife habitat and wetlands. Maintenance of buildings, removing ice/snow and dealing with pests are also opportunities to improve campus sustainability.

Campus self-evaluation was organized into seven categories: Native Plants, Wildlife Habitat, Tree Campus USA, Snow and Ice Removal, Compost, Integrated Pest Management and Green Roofs. Below are summary highlights of responses from all campuses:

- **Prioritize use of native plants in landscaping**
  - Yes: 54%
  - No: 46%

- **Protect and create wildlife habitat**
  - Yes: 51%
  - No: 49%

- **Reduce environmental impacts of snow/ice removal**
  - Yes: 54%
  - No: 46%

- **Compost grounds-keeping**
  - Yes: 69%
  - No: 31%

- **Have an Integrated Pest Management program**
  - Yes: 38%
  - No: 62%

**North Hennepin Community College** improved their central court to alleviate drainage, create a natural gully with native plantings and filled it with various stones from the geology department. This area is used for classroom instruction in good weather.
8. CULTURE + PROCESS

Each campus has its own individual identity. By understanding and working within the framework of the unique culture of each campus, ideas about sustainability can take on a new identity appropriate to the place.

Campus self-evaluation was in six categories: President’s Climate Commitment, sustainability committees, student organizations, policies, and impacts on surrounding site. Below are summary highlights of responses from all campuses:

- **Signed the presidents climate commitment**: 33% yes, 67% no.
- **Have student organizations focused on sustainability**: 54% yes, 46% no.
- **Have unit-based sustainability committees**: 67% yes, 33% no.
- **Involved with surrounding community with sustainability**: 59% yes, 41% no.
- **Have campus policies related to sustainability**: 28% yes, 72% no.
- **Have a campus-wide sustainability committees**: 49% yes, 51% no.

Bemidji State University was one of the first campuses to retain a Sustainability Coordinator to work with all aspects of student life, academics and facilities issues. Photo indicates students cleaning up Lake Bemidji and planting natural landscapes.
As a major purchaser, campuses have the opportunity to be a leader in making careful decisions on what products to support. Campuses can make a difference by purchasing products which are produced sustainably. These products take into account the entire life-cycle of the item. By switching to non-toxic cleaning products, institutions reduce exposure impacts for all building occupants and the environment, thereby promoting clean and healthy work, living and learning spaces.

Campus self-evaluation of sustainable purchasing was in three categories: Computer Purchasing, Cleaning Product Purchasing and Office Paper Purchases. Below are summary highlights of responses from all campuses:

- Purchase environmentally preferable computers:
  - Yes: 44%
  - No: 56%

- Purchase green cleaning products:
  - Yes: 67%
  - No: 33%

- Purchase recycled content office paper:
  - Yes: 67%
  - No: 33%
10. CARBON EMISSIONS

Campuses have the potential to either emit or reduce large amounts of carbon in the form of greenhouse gases from their many, large buildings. However, the opportunities to use green space and forest areas to mitigate these pollutants are also a strong potential. By understanding where carbon emissions are coming from in the largest quantities (transportation, heating/cooling, etc.) it is possible to reduce these gases.

Campuses were self-evaluated in four categories: Greenhouse Gas Emissions, Greenhouse Gas Reduction, Transportation Carbon, and Landscape sequestering. Below are summary highlights of responses from all campuses:

- **Completed a greenhouse gas inventory**
  - Yes: 18%
  - No: 82%

- **Areas of landscape used for sequestering carbon**
  - Yes: 64%
  - No: 36%

- **Have a greenhouse gas reduction plan**
  - Yes: 18%
  - No: 82%

- **Are committed to reduce greenhouses gases by a specific date**
  - Yes: 18%
  - No: 82%

- **Reduce transportation-related carbon emissions**
  - Yes: 33%
  - No: 67%

![Solar collector and photovoltaics at the horticulture building at Dakota County Technical College.](image)
11. OTHER

As learning institutions, a major impact campuses can have on sustainability is simply to educate their students and faculty about the issues. By supporting sustainable research opportunities and creating curricula which integrate sustainable topics into each department, environmental literacy improves and has the opportunity to create catalytic change in the institutions. Below are summary highlights of responses from all campuses:
Alexandria Technical College

1. BUILDINGS
Under the Buildings category, Alexandria Technical College has achieved the following:

- **Building Materials**
  - recycles construction material.
- **B3 Assessment System**
  - updates the B3 system.

2. CAMPUS ENERGY
Under the Campus Energy category, Alexandria Technical College has achieved the following:

- **Conservation Plan**
  - uses CO sensors.
- **Energy Management**
  - uses the energy management system to control the HVAC running time according to class schedules or events.
- **Lighting Sensors**
  - uses motion, infrared, and/or light sensors to reduce energy use for lighting in buildings.
- **Lighting Controls**
  - has a set time for interior building lights to turn on and off.
  - has a set time for exterior building lights to turn on and off.
- **Timers for Temperature Control**
  - uses energy management systems to regulate temperatures based on occupancy hours in buildings.
- **Renewable Energy Sources**
  - geothermal (heat sinks) used.
  - biomass (agricultural waste, wood, manure) is used.
  - solar renewable energy sources are used.
  - wind energy is used.
  - other renewable energy sources are used.

Other initiatives developed or in development on campus:
Alexandria Technical College is in the process of connecting to steam provided by a local incinerator. The steam will be used to heat several of the buildings and potentially the whole campus.

3. WATER
Under the Water category, Alexandria Technical College has achieved the following:

- **Stormwater Management**
  - has implemented policies and programs to reduce stormwater runoff and resultant water pollution.
  - uses rain gardens for stormwater retention and cleaning.
  - uses bio-swales for stormwater retention and cleaning.
  - has a SWPPP (Stormwater Pollution Prevention Plan).

Other initiatives developed on campus related to water are:
Alexandria Technical College does not have a formal stormwater management policy but its parking lots are swept to reduce runoff into its stormwater drainage system.

4. FOOD
Under the Food category, Alexandria Technical College campus has achieved the following:

- **Dining Room Waste**
  - uses non-disposable dishes in dining facilities.
- **Trayless Dining**
  - employs trayless dining.

**Vegetarian and Vegan Dining**
- offers diverse, complete-protein vegan and vegetarian dining options during every meal.

**Trans-Fats**
- uses frying oil that does not include trans-fats.
- seeks to avoid food that includes trans-fats in dining operations.

**Recycled Content Napkins**
- uses recycled content napkins in its dining service operations.

5. WASTE
Under the Waste category, Alexandria Technical College has achieved the following:

- **Waste Diversion**
  - uses recycled paints.
- **Waste Disposal**
  - knows where waste is disposed.
- **Construction and Demolition Waste Diversion**
  - has diverted construction and demolition wastes.
- **Electronic Waste Recycling Program**
  - has an e-waste recycling and/or reuse program.
  - insures e-waste is being properly disposed.

**Hazardous Waste Management**
- seeks to minimize and safely dispose of all hazardous, universal, and non-regulated chemical waste.

**Limiting Printing**
- limits free printing for students in all computer labs and libraries.

**Chemical Reuse Inventory**
- employs green chemistry.
6. TRANSPORTATION
Under the Transportation category, Alexandria Technical College has achieved the following:

**Student Commute**
- students use alternative (other than automobile) modes of transportation to travel to and from the campus.

**Public Transportation**
- is on a public transit route.

**Cash-out of Parking**
- allows commuters to cash out of parking spaces (i.e. it pays employees who do not drive to work).

**Campus Fleet**
- uses cleaner fuels and fuel efficient vehicles.
- has 8 vehicles fueled with E85 or higher biofuel for more than 6 months of the year.

*Other initiatives that you have developed on campus related to transportation:*
Alexandria Technical College has replaced a diesel fork lift with an electric fork lift.

7. LANDSCAPING
Under the Landscaping category, Alexandria Technical College has achieved the following:

**Wildlife Habitat**
- has programs in place to protect and/or create wildlife habitat on campus-owned land.

**Snow and Ice Removal**
- has implemented technologies or strategies to reduce the environmental impacts of snow and ice removal.

**Compost**
- composts or mulches waste from grounds keeping, including grass trimmings.

**Integrated Pest Management**
- works to improve the sustainability of campus grounds through Integrated Pest management (reduction of chemical use).
- uses a live catch program.

8. CULTURE AND PROCESS
Under the Culture and Process category, Alexandria Technical College has achieved the following:

**Sustainability Committees**
- has 1 sustainability committee on campus.
- has a campus-wide Sustainability Committee comprised of staff, faculty and students that report through the administrative structure such as the president or CFO.

9. PURCHASING
Under the Purchasing category, Alexandria Technical College has achieved the following:

**Computer Purchasing**
- has a campus-wide stated preference to purchase environmentally preferable products.

**Cleaning Product Purchasing**
Anoka Technical College

1. BUILDINGS
Under the Buildings category, Anoka Technical College has achieved the following:

Indoor Air Quality
- makes an effort to improve indoor air quality.

Buildings Operation and Maintenance
- has an active preventative maintenance plan.

Building Materials
- purchases green or environmentally preferable materials.
- recycles construction material.

B3 Assessment System
- updates the B3 system.

2. CAMPUS ENERGY
Under the Campus Energy category, Anoka Technical College has achieved the following:

Conservation Plan
- uses CO sensors.
- has a building energy management plan to insure that the least amount of energy is used in every building.
- meters high energy users in individual/connected buildings.

Energy Management
- uses the energy management system to control the HVAC running time according to class schedules or events.

Lighting Controls
- has a set time for interior building lights to turn on and off.
- has a set time for exterior building lights to turn on and off.

Timers for Temperature Control
- uses energy management systems to regulate temperatures based on occupancy hours in buildings.

Tracking
- uses a centralized energy management system that allows it to track energy consumption and performance in multiple buildings from a central location.

Energy Savings Contracts
- has Guaranteed Energy Savings (GES) contract.

3. WATER
Under the Water category, Anoka Technical College has achieved the following:

Water Consumption
- has taken measures to reduce water consumption.

Stormwater Management
- has implemented policies and programs to reduce stormwater runoff and resultant water pollution.
- uses rain gardens for stormwater retention and cleaning.
- has a SWPPP (Stormwater Pollution Prevention Plan).

Building Water Metering
- has building-level water consumption meters for buildings.

Xeriscaping
- uses native plant material on campus.

Other initiatives developed on campus related to water:
Anoka Technical College uses soft water for cooling tower.

4. FOOD
Under the Food category, Anoka Technical College campus has achieved the following:

Trans-Fats
- uses frying oil that does not include trans-fats.
- seeks to avoid food that includes trans-fats in dining operations.

Recycled Content Napkins
- uses recycled content napkins in its dining service operations.

5. WASTE
Under the Waste category, Anoka Technical College has achieved the following:

Waste Diversion
- has a recycling policy.

Waste Disposal
- knows where waste is disposed.

Electronic Waste Recycling Program
- has an e-waste recycling and/or reuse program.
- insures e-waste is being properly disposed.

Hazardous Waste Management
- seeks to minimize and safely dispose of all hazardous, universal, and non-regulated chemical waste.

Materials Exchange
- has a surplus department or formal office supplies exchange program that facilitates reuse of materials.
- uses an on-line material reuse company.

Materials Online
- has a policy for students to obtain course catalogues or schedules online before receiving a printed copy.

Rain garden was built by students at Anoka Technical College.
6. TRANSPORTATION
Under the Transportation category, Anoka Technical College has achieved the following:

**Student Commute**
- students use alternative (other than automobile) modes of transportation to travel to and from the campus.

**Public Transportation**
- has a campus bus service.
- is on a public transit route.
- provides subsidized bus passes.

**Campus Fleet**
- owns 1 vehicle fueled with E85 or higher biofuel for more than 6 months of the year.

7. LANDSCAPING
Under the Landscaping category, Anoka Technical College has achieved the following:

**Compost**
- composts or mulches waste from grounds keeping, including grass trimmings.
Anoka Ramsey Community College
Cambridge and Coon Rapids

1. BUILDINGS
Under the Buildings category, Anoka-Ramsey Community College has achieved the following:

**Indoor Air Quality**
- makes an effort to improve indoor air quality.

**Buildings Operation + Maintenance**
- has an active preventative maintenance plan.

**Building Materials**
- purchases green or environmentally preferable materials.
- recycles construction material.

**Building Assessment Systems**
- has 1 building which has received/or is in the process of obtaining LEED or other green building rating systems such as B3 certification.

**Evening Classes**
- makes an effort to schedule classes, including evening classes, efficiently to maximize utilization and/or minimize energy use.

**B3 Assessment System**
- updates the B3 system.

### Lighting Sensors
- uses motion, infrared, and/or light sensors to reduce energy use for lighting in buildings.

### Lighting Controls
- uses a computer light control system on the interior of the buildings.
- has a set time for interior building lights to turn on and off.

### Timers for Temperature Control
- uses energy management systems to regulate temperatures based on occupancy hours in buildings.

### LED Lighting
- uses Light Emitting Diode (LED) technology in lighting application.

### Tracking
- uses a centralized energy management system that allows it to track energy consumption and performance in multiple buildings from a central location.

### Recommissioning
- has gone through a recommissioning process to evaluate and correct the energy performance of campus buildings.

2. CAMPUS ENERGY
Under the Campus Energy category, Anoka-Ramsey Community College has achieved the following:

**Conservation Plan**
- has an energy conservation plan.
- uses CO sensors.
- meters energy use in individual/connected buildings.

**Energy Management**
- uses the energy management system to control the HVAC running time according to class schedules or events.

**Lighting Sensors**
- uses motion, infrared, and/or light sensors to reduce energy use for lighting in buildings.

**Lighting Controls**
- uses a computer light control system on the interior of the buildings.
- has a set time for interior building lights to turn on and off.

**Timers for Temperature Control**
- uses energy management systems to regulate temperatures based on occupancy hours in buildings.

**LED Lighting**
- uses Light Emitting Diode (LED) technology in lighting application.

**Tracking**
- uses a centralized energy management system that allows it to track energy consumption and performance in multiple buildings from a central location.

**Recommissioning**
- has gone through a recommissioning process to evaluate and correct the energy performance of campus buildings.

3. WATER
Under the Water category, Anoka-Ramsey Community College, has achieved the following:

**Water Consumption**
- has taken measures to reduce water consumption.
- uses water reducing faucets.
- uses water reducing shower heads.

**Stormwater Management**
- has implemented policies and programs to reduce stormwater runoff and resultant water pollution.

**Non-Potable Water Usage**
- uses non-potable water (e.g. harvested rainwater or graywater) for irrigation and/or other applications.

**Xeriscaping**
- uses native plant material on campus.

**Weather-Informed Irrigation**
- uses weather data or weather sensors to automatically adjust irrigation practices.

4. FOOD
Under the Food category, Anoka-Ramsey Community College has achieved the following:

**Sustainability Issues**
- purchases local foods.
- 10% of food purchased is locally produced.
- 100 miles radius qualifies as local foods for the campus.

**Dining Room Waste**
- has a food waste reduction program.

**Trayless Dining**
- employs trayless dining.

**Vegetarian and Vegan Dining**
- offers diverse, complete-protein vegan and vegetarian dining options during every meal.

**Trans-Fats**
- uses frying oil that does not include trans-fats.
- seeks to avoid food that includes trans-fats in dining operations.

**Recycled Content Napkins**
- uses recycled content napkins in its dining service operations.
5. WASTE
Under the Waste category, Anoka-Ramsey Community College has achieved the following:

- **Waste Reduction**
  - has a waste reduction policy.

- **Waste Diversion**
  - has a reuse policy.
  - has a recycling policy.

- **Waste Disposal**
  - knows where waste is disposed.

- **Construction and Demolition Waste Diversion**
  - has diverted construction and demolition wastes.

- **Electronic Waste Recycling Program**
  - has an e-waste recycling and/or reuse program.
  - insures e-waste is being properly disposed.

- **Hazardous Waste Management**
  - seeks to minimize and safely dispose of all hazardous, universal, and non-regulated chemical waste.

- **Materials Online**
  - has policy for students to obtain course catalogues or schedules online before receiving a printed copy.

- **Chemical Reuse Inventory**
  - has implemented a campus-wide inventory system to facilitate the reuse of laboratory chemicals.
  - employs green chemistry.

6. TRANSPORTATION
Under the Transportation category, Anoka-Ramsey Community College has achieved the following:

- **Student Commute**
  - students use alternative (other than automobile) modes of transportation to travel to and from the campus.

- **Employee Commute**
  - campus staff and faculty use alternative (other than automobile) modes of transportation to travel to and from the campus.

- **Public Transportation**
  - has a campus bus service.
  - is on a public transit route.

- **Condensed Work Week**
  - offers a condensed work week option for employees.

- **Campus Fleet**
  - 2 vehicles fueled with E85 or higher biofuel for more than 6 months of the year.

7. LANDSCAPING
Under the Landscaping category, Anoka-Ramsey Community College has achieved the following:

- **Wildlife Habitat**
  - has programs in place to protect and/or create wildlife habitat on campus-owned land.

- **Snow and Ice Removal**
  - has implemented technologies or strategies to reduce the environmental impacts of snow and ice removal.

- **Compost**
  - composts or mulches waste from grounds keeping, including grass trimmings.

8. CULTURE AND PROCESS
Under the Culture and Process category, Anoka-Ramsey Community College has achieved the following:

- **Student Organizations**
  - has 5 student organizations focused on campus sustainability.

- **Policies**
  - there are campus policies related to sustainability.

- **Impacts on Surrounding Site**
  - has meetings with surrounding neighborhoods explaining campus projects.

9. PURCHASING
Under the Purchasing category, Anoka-Ramsey Community College has achieved the following:

- **Cleaning Product Purchasing**
  - purchases Canada’s Environmental Choice, Green Seal, EPA Design for Environment, Carpet & Rug Institute’s green cleaning products.
1. BUILDINGS
Under the Buildings category, Bemidji State University has achieved the following:

**Indoor Air Quality**
- makes an effort to improve indoor air quality.

**Buildings Operation + Maintenance**
- has an active preventative maintenance plan.

**Building Materials**
- purchases green or environmentally preferable materials.
- recycles construction material.

**B3 Assessment System**
- updates the B3 system.

**Other initiatives developed or in development on campus are:**
Bemidji State University's long-term plans are to demolish buildings with high deferred maintenance to reduce its campus footprint, which will increase efficiencies in using space and with operating costs.

2. CAMPUS ENERGY
Under the Campus Energy category, Bemidji State University has achieved the following:

**Conservation Plan**
- has an energy conservation plan.
- has saved a total of 40000 MBtus of energy.
- uses CO sensors.
- has a building energy management plan to insure that the least amount of energy is used in every building.
- meters energy use in individual/connected buildings.

**Energy Management**
- uses the energy management system to control the HVAC running time according to class schedules or events.
- uses motion, infrared, and/or light sensors to reduce energy use for lighting in buildings. turn on and off.
- uses Light Emitting Diode (LED) technology in lighting application.
- has installed motion sensors for vending machines.
- uses a centralized energy management system that allows it to track energy consumption and performance in multiple buildings from a central location.
- has Guaranteed Energy Savings (GES) contract.
- the savings realized are 40,000 MBtus
- PBEEE (Public Building Enhanced Energy Efficiency Program) is utilized.

**Other initiatives developed or in development on campus related to water are:**
Bemidji State University continues to incorporate more native and low-maintenance plants around the campus.

3. WATER
Under the Water category, Bemidji State University has achieved the following:

**Water Consumption**
- has taken measures to reduce water consumption.
- uses water reducing faucets.
- uses water reducing shower heads.

**Stormwater Management**
- uses rain gardens for stormwater retention and cleaning.

**Building Water Metering**
- has building-level water consumption meters for buildings.

**Xeriscaping**
- uses xeriscape landscaping techniques, including the selection of drought tolerant plants.
- uses native plant material on campus.

**Weather-Informed Irrigation**
- uses weather data or weather sensors to automatically adjust irrigation practices.

**Other initiatives developed on campus related to water are:**
Bemidji State University continues to incorporate more native and low-maintenance plants around the campus.

4. FOOD
Under the Food category, Bemidji State University has achieved the following:

**Sustainability Issues**
- has a sustainable food policy.
- purchases local foods.
- 20% of foods purchased are locally produced.
- 500 miles radius qualifies as local foods for the campus.

**Dining Room Waste**
- has a food waste reduction program.
- uses non-disposable dishes in dining facilities.

**Other initiatives developed or in development on campus are:**
Bemidji State University is currently retrofitting many light fixtures to be more energy efficient.
Vegetarian and Vegan Dining
- offers diverse, complete-protein vegan and vegetarian dining options during every meal.

Trans-Fats
- uses frying oil that does not include trans-fats.

Food Donation
- donates leftover or surplus food.

Recycled Content Napkins
- uses recycled content napkins in its dining service operations.

Other initiatives that developed on campus related to food are:
A Bemidji State University community member collects used kitchen oil to make biodiesel.

5. WASTE
Under the Waste category, Bemidji State University has achieved the following:
Waste Reduction
- has a waste reduction policy.

Waste Diversion
- has a recycling policy.
- has a food waste composting policy.
- uses recycled paints.

Waste Disposal
- knows where waste is disposed.

Construction and Demolition Waste Diversion
- has diverted construction and demolition wastes.

Electronic Waste Recycling Program
- has an e-waste recycling and/or reuse program.
- insures e-waste is being properly disposed.

Hazardous Waste Management
- seeks to minimize and safely dispose of all hazardous, universal, and non-regulated chemical waste.

Materials Exchange
- has a surplus department or formal office supplies exchange program that facilitates reuse of materials.
- uses reused materials from the Green Institute.

Materials Online
- has policy for students to obtain course catalogues or schedules online before receiving a printed copy.

Move-In Waste Reduction
- has a program to reduce residence hall move-in waste.

Move-Out Waste Reduction
- has a program to reduce residence hall move-out waste.
- has a program to reduce residence hall end of term waste.
- has a residence hall room furniture exchange or reuse program.
- has explored a no-waste policy.

Other initiatives developed or in development on campus related to waste are:
A Free Store was created in the Bemidji Student Union this year which facilitates the exchange of used items that otherwise would be thrown away. This concept not only reduces waste, but also encourages empathy and a sense of community.

6. TRANSPORTATION
Under the Transportation category, Bemidji State University has achieved the following:
Student Commute
- students use alternative (other than automobile) modes of transportation to travel to and from the campus.

Public Transportation
- has a campus bus service.
- is on a public transit route.
- provides subsidized bus passes.

Bicycle Sharing
- has a bicycle-sharing program or participates in a local bicycle sharing program.

Bicycle Plan
- has a developed bicycle plan and route.

Condensed Work Week
- offers a condensed work week option for employees.

Telecommuting
- offers a telecommuter program for employees.

Campus Fleet
- uses cleaner fuels and fuel efficient vehicles.
- uses 2 Gasoline-electric hybrids.
- uses 5 Fueled with E85 or higher biofuel for more than 6 months of the year.

Other initiatives that have developed on campus related to transportation are:
A bike rental program has been established.

7. LANDSCAPING
Under the Landscaping category, Bemidji State University has achieved the following:

Native Plants
- prioritizes use of native plant species in landscaping.

Wildlife Habitat
- has programs in place to protect and/or create wildlife habitat on campus-owned land.

Compost
- composts or mulches waste from grounds keeping, including grass trimmings.

Other initiatives related to landscape are:
Native buffer strip has been added along lakeshore.

8. CULTURE AND PROCESS
Under the Culture and Process category, Bemidji State University has achieved the following:

President's Climate Commitment
- has signed the Presidents Climate Commitment.

Sustainability Committees
- has 2 sustainability committees on campus.
- is involved with the surrounding community in regards to sustainability.
- has a campus-wide Sustainability Committee comprised of staff, faculty and students that report through the administrative structure such as the president or CFO.

Student Organizations
- has 1 student organization focused on campus sustainability.

Policies
- there are campus policies related to sustainability.

Impacts on Surrounding Site
- has meetings with surrounding neighborhoods explaining campus projects.

Other initiatives that developed on campus related to campus culture & process are:
The Student for the Environment and the Student Senate working in conjunction with the Sustainability Coordinator have proposed policies to limit the amount of printing done from computer labs and to reduce the amount of bottled water sold on campus.
9. PURCHASING
Under the Purchasing category, Bemidji State University has achieved the following:

**Cleaning Product Purchasing**
- purchases Green Seal green cleaning products.

**Office Paper Purchasing**
- purchases recycled content office paper.

**Other initiatives that have developed on campus related to purchasing are:**
An Energy Star purchasing policy is currently being developed.

10. CARBON EMISSIONS
Under the Carbon Emissions category, Bemidji State University has achieved the following:

**Greenhouse Gas Emissions**
- has completed a greenhouse gas emissions inventory and the total greenhouse gas emissions are 77 tons/sft.

**Greenhouse Gas Emissions Reduction**
- has a Greenhouse Gas Reduction Plan.
  - buys carbon offsets for GHG emissions.

**Transportation Carbon**
- measures are being taken to reduce carbon emissions related to transportation.

**Landscape Sequestering**
- There are landscape areas which are/could be used to sequester carbon (such as forest areas and large areas of prairie/grasslands).

**Other initiatives related to carbon emissions are:**
Strategic Plan is being developed and are also in the process of completing a Climate Action Plan. Bemidji State University purchases wind energy through the Ottertail Tailwinds program.

11. OTHER
Under the Other category, Bemidji State University has achieved the following:

**Sustainability Course Identification**
- developed ways to identify sustainability courses for interested students.

**Sustainability Courses by Department**
- there are sustainability courses offered in each department.

**Undergraduate program in Sustainability**
- offers a degree program in sustainability or related field.

**Sustainability Research Identification**
- has identified sustainable research opportunities which can benefit the campus.

**Faculty involved in Sustainability Research**
- faculty are involved in sustainability research.

**Other initiatives are:**
Each student pays a $5 per semester student activity Green Fee which partially funds the Sustainability Coordinator position. The Green Fee is used for mini-grants and student employment to assist with student sustainability projects. The Green Fee will be used to help fund an off-the-grid bus stop shelter this summer. The Green Fee is also used to purchase reusable water bottles and coffee mugs for all incoming freshman.

Bemidji State University campus is part of the Minnesota Schools Cutting Carbon project through the Clean Energy Resource Teams.

Bemidji State University is also enrolled in the Green Power Partners through the EPA. Another endeavor to promote sustainability has begun with the Honors House (Laurel House) which will be renovated to be Minnesota Green Star Certified.

Native plantings by students in center of campus.
1. BUILDINGS
Under the Buildings category, Central Lakes College has achieved the following:

**Indoor Air Quality**
- makes an effort to improve indoor air quality.

**Building Materials**
- purchases green or environmentally preferable materials.
- recycles construction material.

**Evening Classes**
- makes an effort to schedule classes, including evening classes, efficiently to maximize utilization and/or minimize energy use.

**B3 Assessment System**
- updates the B3 system.

2. CAMPUS ENERGY
Under the Campus Energy category, Central Lakes College has achieved the following:

**Conservation Plan**
- uses CO sensors.
- has a building energy management plan to insure that the least amount of energy is used in every building.
- meters energy use in individual/connected buildings.

**Energy Management**
- uses the energy management system to control the HVAC running time according to class schedules or events.

**Lighting Sensors**
- uses motion, infrared, and/or light sensors to reduce energy use for lighting in buildings.

**Lighting Controls**
- has a set time for interior building lights to turn on and off.
- has a set time for exterior building lights to turn on and off.

**Timers for Temperature Control**
- uses energy management systems to regulate temperatures based on occupancy hours in buildings.

**Vending Machine Sensors**
- has installed motion sensors for vending machines.

**Recommissioning**
- has gone through a recommissioning process to evaluate and correct the energy performance of campus buildings.

**Energy Savings Contracts**
- has Guaranteed Energy Savings (GES) contract.

**Renewable Energy Sources**
- biomass (corn for corn burner) is used.

**Other initiatives developed or in development on campus are:**
- Central Lakes College submitted a capital budget initiative project for $1,000,000 for wind, solar panels, biomass and geothermal studies as well as classroom and lab spaces, for the fiscal year 2012 bonding cycle.

3. WATER
Under the Water category, Central Lakes College has achieved the following:

**Water Consumption**
- has taken measures to reduce water consumption.
- uses water reducing faucets.
- uses water reducing shower heads.
- uses low flow urinals.

**Building Water Metering**
- has building-level water consumption meters for buildings.

4. FOOD
Under the Food category, Central Lakes College has achieved the following:

**Sustainability Issues**
- uses non-disposable dishes in dining facilities.
- seeks to avoid food that includes trans-fats.

**Trans-Fats**
- uses frying oil that does not include trans-fats.

5. WASTE
Under the Waste category, Central Lakes College has achieved the following:

**Waste Reduction**
- has a waste reduction program.

**Waste Diversion**
- has a recycling program.

**Waste Disposal**
- knows where waste is disposed.

**Electronic Waste Recycling Program**
- has an e-waste recycling and/or reuse program.
- insures e-waste is being properly disposed.

Central Lakes College
Brainerd and Staples

Biomass furnace at Staples campus.

Green Week: ride-share and eco-trivia displayed.

**Non-Potable Water Usage**
- use non-potable water (e.g. harvested rainwater or graywater) for irrigation and/or other applications.

**Xeriscaping**
- uses native plant material on campus.

**Weather-Informed Irrigation**
- uses weather data or weather sensors to automatically adjust irrigation practices.
Hazardous Waste Management - seeks to minimize and safely dispose of all hazardous, universal, and non-regulated chemical waste.

Materials Exchange - has a surplus department or formal office supplies exchange program that facilitates reuse of materials.

Limiting Printing - limits free printing for students in all computer labs and libraries.

Chemical Reuse Inventory - employs green chemistry.

6. TRANSPORTATION
Under the Transportation category, Central Lakes College has achieved the following:

Student Commute - students use alternative (other than automobile) modes of transportation to travel to and from the campus.

Employee Commute - campus staff and faculty use alternative (other than automobile) modes of transportation to travel to and from the campus.

Condensed Work Week - offers a condensed work week option for employees.

Telecommuting - offers a telecommuter program for employees.

Campus Fleet - uses cleaner fuels and fuel efficient vehicles.
- uses 1 Gasoline-electric hybrids.
- uses 4 vehicles fueled with E85 or higher biofuel for more than 6 months of the year.

7. LANDSCAPING
Under the Landscaping category, Central Lakes College has achieved the following:

Native Plants - prioritizes use of native plant species in landscaping.

Wildlife Habitat - has programs in place to protect and/or create wildlife habitat on campus-owned land.

Compost - composts or mulches waste from grounds keeping, including grass trimmings.

8. CULTURE AND PROCESS
Under the Culture and Process category, Central Lakes College has achieved the following:

Sustainability Committees - has 2 sustainability committees on campus.
- is involved with the surrounding community in regards to sustainability.
- has a campus-wide Sustainability Committee comprised of staff, faculty and students that report through the administrative structure such as the president or CFO.

Student Organizations - has 1 student organization focused on campus sustainability.

9. PURCHASING
Under the Purchasing category, Central Lakes College has achieved the following:

Cleaning Product Purchasing - purchases Top Clean, Suprox, Super Shine-All green cleaning products.

10. CARBON EMISSIONS
Under the Carbon Emissions category, Central Lakes College has achieved the following:

Landscape Sequestering - has landscape areas which are/could be used to sequester carbon (such as forest areas and large areas of prairie/grasslands).

11. OTHER
Under the Other category, Central Lakes College has achieved the following:

Sustainability Course Identification - developed ways to identify sustainability courses for interested students.

Sustainability Research Identification - has identified sustainable research opportunities which can benefit the campus.

Other initiatives developed or in development on campus are:
- hosts a community wide Earth Day.

Horticulture program at the Brainerd campus emphasizes sustainable green technologies.
1. BUILDINGS
Under the Buildings category, Century College has achieved the following:

**Indoor Air Quality**
- makes an effort to improve indoor air quality.

**Building Materials**
- purchases green or environmentally preferable materials.
- recycles construction material.

**B3 Assessment System**
- updates the B3 system annually.

2. CAMPUS ENERGY
Under the Campus Energy category, Century College has achieved the following:

**Conservation Plan**
- has a building energy management plan to insure that the least amount of energy is used in every building.
- meters energy use in individual/connected buildings.
- meters high energy users in individual/connected buildings.

**Energy Management**
- uses the energy management system to control the HVAC running time according to class schedules or events.

**Lighting Sensors**
- uses motion, infrared, and/or light sensors to reduce energy use for lighting in buildings.

**Lighting Controls**
- uses a computer light control system on the interior of the buildings.
- uses a computer light control system on the exterior of the buildings.
- has a set time for interior building lights to turn on and off.
- has a set time for exterior building lights to turn on and off.

**Timers for Temperature Control**
- uses energy management systems to regulate temperatures based on occupancy hours in buildings.

**Tracking**
- uses a centralized energy management system that allows it to track energy consumption and performance in multiple buildings from a central location.

**Energy Savings Contracts**
- PBEEEP (Public Building Enhanced Energy Efficiency Program) is utilized.

3. WATER
Under the Water category, Century College has achieved the following:

**Water Consumption**
- uses water reducing shower heads.

**Stormwater Management**
- has implemented policies and programs to reduce stormwater runoff and resultant water pollution.
- uses rain gardens for stormwater retention and cleaning.
- uses bio-swales for stormwater retention and cleaning.
- has a SWPPP (Stormwater Pollution Prevention Plan).

**Xeriscaping**
- uses native plant material on campus.

4. FOOD
Under the Food category, Century College has achieved the following:

**Vegetarian and Vegan Dining**
- offers diverse, complete-protein vegan and vegetarian dining options during every meal.

5. WASTE
Under the Waste category, Century College has achieved the following:

**Waste Diversion**
- has a recycling policy.

**Construction and Demolition Waste Diversion**
- has diverted construction and demolition wastes.

**Electronic Waste Recycling Program**
- has an e-waste recycling and/or reuse program.
- insures e-waste is being properly disposed.

**Hazardous Waste Management**
- seeks to minimize and safely dispose of all hazardous, universal, and non-regulated chemical waste.

**Materials Online**
- has a policy for students to obtain course catalogues or schedules online before receiving a printed copy.

**Move-Out Waste Reduction**
- has explored a no-waste policy.

6. TRANSPORTATION
Under the Transportation category, Century College has achieved the following:

**Public Transportation**
- is on a public transit route.
- provides subsidized bus passes.

**Campus Fleet**
- uses cleaner fuels and fuel efficient vehicles.
7. LANDSCAPING
Under the Landscaping category, Century College has achieved the following:

**Native Plants**
- prioritizes use of native plant species in landscaping

**Wildlife Habitat**
- has programs in place to protect and/or create wildlife habitat on campus-owned land.

**Snow and Ice Removal**
- has implemented technologies or strategies to reduce the environmental impacts of snow and ice removal.

**Compost**
- composts or mulches waste from grounds keeping, including grass trimmings.

**Integrated Pest Management**
- works to improve the sustainability of campus grounds through Integrated Pest management (reduction of chemical use).

8. CULTURE AND PROCESS
Under the Culture and Process category, Century College has achieved the following:

**President’s Climate Commitment**
- has signed the Presidents Climate Commitment

**Sustainability Committees**
- has a campus-wide Sustainability Committee comprised of staff, faculty and students that report through the administrative structure such as the president or CFO.

**Policies**
- there are campus policies related to sustainability.

9. PURCHASING
Under the Purchasing category, Century College has achieved the following:

**Computer Purchasing**
- has a campus-wide stated preference to purchase environmentally preferable products. This can take the form of purchasing policies, guidelines, or directives.

**Cleaning Product Purchasing**
- purchases Alpha Hydroxy Aero Blue green cleaning products.

**Office Paper Purchasing**
- purchases recycled content office paper.

10. CARBON EMISSIONS
Under the Carbon Emissions category, Century College has achieved the following:

**Greenhouse Gas Emissions**
- has completed a greenhouse gas emissions inventory and the total greenhouse gas emissions are 20,253 Tons/sft.

**Greenhouse Gas Emissions Reduction**
- has a Greenhouse Gas Reduction Plan.
- has committed to the reduction of Greenhouse Gases by 2040.

**Transportation Carbon**
- measures are being taken to reduce carbon emissions related to transportation.

**Other initiatives related to carbon emissions are:**
Century College has developed a Long-Term Action Plan to Climate Neutrality.

11. OTHER
Under the Other category, Century College has achieved the following:

**Sustainability Course Identification**
- developed ways to identify sustainability courses for interested students.

**Undergraduate program in Sustainability**
- offers a degree program in sustainability or related field.

Recently renovated parking lot at Century College filters storm-water runoff.
1. BUILDINGS
Under the Buildings category, Dakota County Technical College has achieved the following:

**Indoor Air Quality**
- makes an effort to improve indoor air quality.

**Buildings Operation + Maintenance**
- has an active preventative maintenance plan.

**Building Materials**
- purchases green or environmentally preferable materials.
- recycles construction material.

**Evening Classes**
- makes an effort to schedule classes, including evening classes, efficiently to maximize utilization and/or minimize energy use.

**B3 Assessment System**
- updates the B3 system.

**Other initiatives developed are:**
All of Dakota County Technical College’s Capital Bonding, Higher Education Asset Preservation and Replacement and Repair and Renovation projects are designed for sustainability.

2. CAMPUS ENERGY
Under the Campus Energy category, Dakota County Technical College has achieved the following:

**Conservation Plan**
- has an energy conservation plan.
- uses CO sensors.
- has a building energy management plan to insure that the least amount of energy is used in every building.
- meters energy use in individual/connected buildings.
- meters high energy users in individual/connected buildings.

**Energy Management**
- uses the energy management system to control the HVAC running time according to class schedules or events.

**Lighting Sensors**
- uses motion, infrared, and/or light sensors to reduce energy use for lighting in buildings.

**Lighting Controls**
- uses a computer light control system on the interior of the buildings.
- uses a computer light control system on the exterior of the buildings.
- has a set time for interior building lights to turn on and off.
- has a set time for exterior building lights to turn on and off.

**Timers for Temperature Control**
- uses energy management systems to regulate temperatures based on occupancy hours in buildings.

**Tracking**
- uses a centralized energy management system that allows it to track energy consumption and performance in multiple buildings from a central location.

**Energy Savings Contracts**
- has Guaranteed Energy Savings (GES) contract.

**Renewable Energy Sources**
- solar renewable energy sources are used.

**Other initiatives developed on campus related to energy are:**
Energy savings are in energy consumption due to renewable energy used. New roof has increased insulation (R13 to R34). Johnson Controls Energy Contract Solar panels are used on Greenhouse Photovoltaic system. A heat recovery project has been added taking hot air from compressors and heating the domestic hot water.

3. WATER
Under the Water category, Dakota County Technical College has achieved the following:

**Water Consumption**
- has taken measures to reduce water consumption.
- uses water reducing faucets.
- uses water reducing shower heads.

**Low Flow Urinals/Toilets**
- uses ultra low flow toilets.
- uses waterless urinals.

**Stormwater Management**
- has implemented policies and programs to reduce stormwater runoff and resultant water pollution.
- uses rain gardens for stormwater retention and cleaning.
- uses bio-swales for stormwater retention and cleaning.
- has a SWPPP (Stormwater Pollution Prevention Plan).

**Building Water Metering**
- has building-level water consumption meters for buildings.

**Xeriscaping**
- uses xeriscape landscaping techniques, including the selection of drought tolerant plants.
- uses native plant material on campus.

**Other initiatives developed on campus related to water are:**
Dakota County Technical college has removed water sprinkler system for lawn.