SUSTAINABILITY ACROSS THE UNIVERSITIES

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COLLABORATIVE NETWORK

- **Staff:** All 13 UW System universities have sustainability coordinator or designated staff person + 2 new UW System Sustainability Coordinators

- **Connection:** Website, monthly call, listserv, **working** groups

- **Annual Meeting:** UW-La Crosse in October 2023; UW-Stout in October 2024

- **Purpose:** Enrich teaching, research, and campus life while pursuing innovative sustainability solutions
SUSTAINABILITY IN STRATEGIC PLAN

Foster Civic Engagement and Service the Public Good

**Strategy S5**
We will ensure our universities are financially and **environmentally sustainable** so that they are positioned to fulfill their strategic missions.

**UWSA Role 5.10**
Apply principles of **environmental sustainability** with respect to the **built environment**.

**Success Measure**
Ensure that all **capital projects** incorporate **sustainability and resiliency measures**.
SUSTAINABLE BUILDING STANDARDS

• RPD 19-15 Sustainable design principles updated in June

• Sustainable Building Standards & Performance Goals
  • Specific actions & targets to achieve sustainability goals
  • Will apply to all Universities of Wisconsin major capital projects
  • After DFD comments, will be sent to universities for review
Recent Solar Energy Projects

<table>
<thead>
<tr>
<th>Institution</th>
<th>Power</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>UW-Platteville</td>
<td>2.4 MW</td>
<td>2022</td>
</tr>
<tr>
<td>UW-Stout</td>
<td>.4 MW</td>
<td>2023</td>
</tr>
<tr>
<td>UW-Stevens Point</td>
<td>165 kW</td>
<td>2023</td>
</tr>
<tr>
<td>UW-Parkside</td>
<td>2.08 MW</td>
<td>2024</td>
</tr>
<tr>
<td>UW-Superior</td>
<td>440 kW</td>
<td>2024</td>
</tr>
<tr>
<td>UW-Madison</td>
<td>2.25 MW</td>
<td>2024</td>
</tr>
<tr>
<td>UW-Eau Claire</td>
<td>2.8 MW</td>
<td>2025</td>
</tr>
</tbody>
</table>

Include ground-mounted solar arrays, rooftop solar, utility-owned solar on leased UW land, utility purchases, and projects combining renewable energy and energy efficiency retrofits.
ENERGY AND EMISSION DATA COLLECTION

Emissions:

- Scope 1
  - Heating Plant + other oil/gas
  - Fleet transportation (tanks, fuel cards)
  - Refrigerants
  - Fertilizers
  - Animals

- Scope 2
  - Purchased Electricity

- Scope 3
  - Commuting
  - Travel: Business, athletic, study abroad
  - Waste
  - Wastewater
  - Purchased goods and services
2023 UW-Eau Claire study

- Considered alternatives to existing thermal systems
- Considered life cycle costs and carbon impacts
ENERGY VISION

Manage consumption
- Energy-efficient new buildings
- Data analysis
- Support efficient operation
- Enable efficiency upgrades
- Energy conservation education & outreach

Manage Cost
- On-campus renewables provide energy at fixed cost
- Renewable energy purchases hedge against rising prices
  - Virtual Power Purchase Agreement (VPPA)
  - Renewable Energy Riders with Utility
- Avoiding costs of carbon
U.S. DEPARTMENT OF EDUCATION
GREEN RIBBON SCHOOLS AWARD

Universities that reduce environmental impacts, improve health and wellness, & provide environmental & sustainability education that includes civic learning, green careers and STEM connections

2016 – UW-Milwaukee
2017 – UW-Stevens Point
2020 – UW-Whitewater
2021 – UW-Madison
2022 – UW-Oshkosh
2023 – UW-Platteville
UW-Green Bay: First-year students pilot composting collection

UW-Madison: Sustainability Symposium Poster Session

UW-Whitewater: Environmental Sociology class harvests seeds of prairie plants

UW-River Falls Sustainability Faculty Fellows Workshop