ACUPCC, WILDCAP & GHG INVENTORY

August 2012

Sara Cleaves and Lou Simms, Sustainability Institute at UNH
ANNOUNCEMENTS

• Change in staff assignments since Brett left
• Introducing Lou Simms
• Name change of office
## PCC TIMELINE

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>WildCAP</strong></td>
<td>2009 (Can update any time but not required)</td>
</tr>
<tr>
<td><strong>Progress Reports</strong></td>
<td>2011, 2014 <em>(Jan 15)</em></td>
</tr>
<tr>
<td>Task</td>
<td>Date</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Collect data and draft report for FY10-11</td>
<td>July-September</td>
</tr>
<tr>
<td><strong>Present draft to ETF</strong></td>
<td>September: ETF Steering Committee</td>
</tr>
<tr>
<td></td>
<td>October: Full ETF</td>
</tr>
<tr>
<td><strong>Submit to PCC</strong></td>
<td>January 15, 2013</td>
</tr>
<tr>
<td><strong>Release public report</strong></td>
<td>January 2013</td>
</tr>
</tbody>
</table>
PUBLIC REPORT?

• More detailed than PCC report: context, background, etc.

• Easier to read

• Length? Breadth? Depth?

• Share with whom? Print?
UNH & STARS

SUSTAINABILITY TRACKING, ASSESSMENT & RATING SYSTEM

August 2012

Sara Cleaves and Lou Simms, Sustainability Institute at UNH

UNIVERSITY of NEW HAMPSHIRE
BACKGROUND

stars.aashe.org

• Transparent, self-reporting framework for colleges and universities to gauge relative progress toward sustainability

• Facilitates information sharing between institutions, providing common standard of measurement for sustainability performance

• Evaluates triple-bottom line: environmental, social, and economic

• Developed for and by the higher education community

• UNH is a pilot campus, charter participant and technical advisor
YOU CAN USE STARS TO....

• Assess UNH performance in climate and energy across CORE

• Guide your planning for the coming year

• View WildCAP and GHG inventories in context of sustainability performance and practices for higher education institutions

• Compare UNH to campuses across the continent

• Utilize UNH’s STARS data for your own office’s projects
CREDITS

- **Education & Research**
  - Co-Curricular Education; Curriculum; Research

- **Operations**
  - Buildings; Climate; Dining Services; Energy; Grounds; Purchasing; Transportation; Waste; Water

- **Planning, Administration & Engagement**
  - Coordination & Planning; Diversity and Affordability; Human Resources; Investment; Public Engagement
DATA COLLECTION

• Student interns

• Emails, meetings, and calls across campus

• Operations staff records

• Faculty and graduate student online surveys

• Online research
DEPTS INVOLVED

- Advancement
- Athletics
- Campus Planning
- Career Center
- Cooperative Extension
- Dining
- Energy Office
- Institutional Research & Assessment
- IT
- Office of the AVP for Research
- Office of Sponsored Research
- Office of the VP for Finance & Administration
- Center for International Education
- CEPS
- COLA
- Residential Life
- Environmental Health & Safety
- Facilities
- Graduate School
- Office of Community Service & Learning
- Office of the President
- Office of the Provost
- Office of the VP for Student & Academic Affairs
- Transportation Services
- WSBE
- CHHS
- COLSA
- Communications & Marketing
- Hamel Center for Undergraduate Research
- HR
- EOS
- Registrar
- Office of the SVP for Engagement & Academic Outreach
- Purchasing & Contract Services
- Housing
## UNH TIMELINE

<table>
<thead>
<tr>
<th></th>
<th>August 2011: GOLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>STARS</td>
<td>Winter 2013: STARS 2.0 released</td>
</tr>
<tr>
<td></td>
<td>August 2014: Platinum?</td>
</tr>
<tr>
<td></td>
<td>Data continually updated</td>
</tr>
<tr>
<td>Princeton Review</td>
<td>Every February</td>
</tr>
<tr>
<td>Sierra Club</td>
<td>Every June</td>
</tr>
<tr>
<td>Presidents Climate Commitment</td>
<td>Jan 2013: GHGE inventory</td>
</tr>
<tr>
<td></td>
<td>Jan 2014: Progress report on WildCAP</td>
</tr>
</tbody>
</table>
UNH’S 2011 SCORE
PLATINUM
GOLD
SILVER
BRONZE
REPORTER
Submission Summary: University of New Hampshire

<table>
<thead>
<tr>
<th>Status</th>
<th>Provisional Rating</th>
<th>Provisional Score</th>
<th>Submission Deadline</th>
<th>Export</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pending Submission</td>
<td>Gold</td>
<td>66.42</td>
<td>Aug. 2, 2011</td>
<td>PDF</td>
</tr>
</tbody>
</table>

- **Education & Research**
  - 27 / 27 Credits Completed
  - 66.68% Provisional Score

- **Operations**
  - 71 / 71 Credits Completed
  - 43.76% Provisional Score

- **Planning, Administration & Engagement**
  - 37 / 37 Credits Completed
  - 76.81% Provisional Score

- **Innovation**
  - 4 / 4 Credits Completed
  - 4.00 Points Claimed
364 participants; about 200 have submitted scores
How UNH Rates:

- BRONZE Ratings: 53 Institutions
- SILVER Ratings: 96 Institutions
- GOLD Ratings: 37 Institutions
- Reporter Status (no scores made public): 14
- PLATINUM Rating: No Institution has yet attained STARS highest rating

<table>
<thead>
<tr>
<th>Education &amp; Research</th>
<th>Operations</th>
<th>Planning, Admin &amp; Engagement</th>
</tr>
</thead>
<tbody>
<tr>
<td>STARS avg</td>
<td>UNH Score</td>
<td>Max Score</td>
</tr>
<tr>
<td>51%</td>
<td>68%</td>
<td>100%</td>
</tr>
<tr>
<td>37%</td>
<td>45%</td>
<td>100%</td>
</tr>
<tr>
<td>57%</td>
<td>77%</td>
<td>100%</td>
</tr>
</tbody>
</table>
HOW UNH DID

AT GOLD

67.68 PTS

ER
100%

OP
100%

PAE
100%

67.68%

45.39%

76.81%

Areas of Strength

★ Involvement of faculty and staff across campus
★ Research and related curricula
★ Operational BP's in dining, energy mgmt, transportation
★ Outreach & communication
★ Diversity/inclusive excellence
★ Engagement w/policymakers, other campuses

TO PLATINUM:

17.32 MORE PTS

BIG POINT GAPS

- Selling REC's
- Learning Outcomes
- Focused Courses
- Student Community Service
- Endowment Investments
- Energy/sq ft bldgs
- Water Consumption
- Student Peer-2-Peer
- LEED O&M

Wednesday, August 29, 12
OVERALL

• WEBSITES: No URL, no points!

• FORMAL POLICIES & PLANS: e.g. Clean Fleet, sustainable investment, water, LEED EB O&M equivalency, etc.

• DATA COLLECTION & SHARING
  
  - EDUC & RESEARCH: Data scattered. Low faculty response to survey.
  
  - P-CARDS: no tracking on airline miles, EPEAT computers, recycled paper, etc.
## POINT GAPS: CLIMATE & ENERGY

### Education & Research
- **Sustainability-Focused/Related Courses:** 10.62 of 20.0 possible points
- **Sustainability Learning Outcomes:** 0.44 of 10.0

### Operations
- **Building Operations and Maintenance:** 2.63 of 7.0 possible points
- **Building Design and Construction:** 2.37 of 4.0
- **Building Energy Consumption:** 0.38 of 8.0
- **Clean and Renewable Energy:** 2.16 of 7.0
- **Transportation - Campus Fleet:** 0.48 of 2.0
- **Transportation - Student Commute Modal Split:** 3.52 of 4.0
- **Transportation - Employee Commute Modal Split:** 0.36 of 3.0
- **GHG Emissions Inventory:** 1.5 of 2.0
- **GHG Emissions Reductions:** 2.94 of 14.0

### Planning, Admin, Engagement
- **Sustainability in Continuing Education:** 3.6 of 7.0
- **Community Service:** 3.29 of 12.0

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*University of New Hampshire*
## Top Class Ratings

<table>
<thead>
<tr>
<th>University</th>
<th>UC-Boulder</th>
<th>Arizona State</th>
<th>Portland State</th>
<th>UMass-Amherst</th>
<th>Middlebury</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNH</strong></td>
<td>TOTAL SCORE: 67.68</td>
<td>TOTAL SCORE: 68.77</td>
<td>TOTAL SCORE: 66.97</td>
<td>TOTAL SCORE: 68.55</td>
<td>TOTAL SCORE: 66.49</td>
</tr>
<tr>
<td>ER: 67.68%</td>
<td>ER: 66.33%</td>
<td>ER: 66.31%</td>
<td>ER: 79.03%</td>
<td>ER: 66.15%</td>
<td>ER: 73.10%</td>
</tr>
<tr>
<td>OP: 45.39%</td>
<td>OP: 48.48%</td>
<td>OP: 50.32%</td>
<td>OP: 46.34%</td>
<td>OP: 47.05%</td>
<td>OP: 50.23%</td>
</tr>
<tr>
<td>PAE: 76.81%</td>
<td>PAE: 85.50%</td>
<td>PAE: 72.29%</td>
<td>PAE: 68.28%</td>
<td>PAE: 74.29%</td>
<td>PAE: 65.36%</td>
</tr>
</tbody>
</table>
• Policies and/or programs in place to reduce emissions from air travel
• Track GHGE from food purchases
• Energy use intensity dropped substantially, from 1.58 therm/sq ft in FY2005-2006 to 1.25 therm/sq ft in FY2009-2010
• LEED New Buildings: 1,135,236 Square Feet GOLD; 268,951 Square Feet SILVER
• Water consumption down 68M gallons since 2005. UNH’s went UP 23M gallons
• Sustainable endowment practices
• Student community service hours
• Sustainability in continuing education
• Has a student-run enterprise, such as a cafe, through which students gain sustainable business skills
• Did a student sustainability literacy assessment in spring 2011
• Every department conducts sustainability research
• More sq feet of new LEED buildings
• Formal indoor air quality policy with audits and monitoring
• Higher GHGE reduction (we sell REC’s)
• Reusable to-go containers in dining halls
• Buy more Green Seal or EcoLogo cleaning products
• More clean vehicles as % of campus fleet; more employees commute outside of single driver vehicles
• Recycling per capita rate higher
• Slightly less water consumption per capita
PORTLAND STATE

• Student sustainability educators program
• Sustainability learning outcome for ALL students
• More sustainability focused courses
• More depts have sustainability courses
• 51 out of 55 vehicles in campus fleet alternative. UNH: 79 out of 328
• Employee commute: only 25% drive alone, 44% take transit. UNH: 88% drive alone, 3% take transit.
• Higher GHGE reduction (we sell REC’s)
• 35% of dining hall food $ on local, socially responsible (fair wages, coop, etc.), USDA Certified Organic, Marine Stewardship Council Blue Ecolabel, Food Alliance, or Fair Trade; UNH = 22%
• Building energy consumption down
• Water consumption down almost 17M gallons since 2005. UNH’s went UP 23M gallons
MIDDLEBURY

• Student sustainability educators program
• More sustainability focused and related courses
• More depts have sustainability courses
• Higher GHGE reduction (we sell REC’s)
• More clean vehicles as % of campus fleet
• More students and employees commute outside single-driver vehicles. 74% of employees drive alone; 13% walk, bike or use non-motorized transportation. (UNH = 4%)

• Formal telecommuting and condensed work week policies
• Water consumption down slight more than 22M gallons since 2005. UNH’s went UP 23M gallons
# 2014 Goals

## Education & Research
- Sustainability dual major
- Sustainability focused and related courses
- Sustainability learning outcomes
- Sustainability research

## Operations
- **BUILDINGS**: LEED Existing Buildings (O&M), LEED New Buildings (only James)
- **ENERGY**: Selling REC’s off EcoLine; lowering energy consumption/gsf compared to FY2005 baseline
- **CLIMATE**: Air travel formal policy, Scope 3 GHGE in inventory
- **TRANSPORTATION**: Campus fleet; employee commute modal split; condensed work week and telecommuting policy
- **GROUNDS**: Tree Campus USA
- **PURCHASING**: Tracking P-Card purchases: air travel, EPEAT, recycled paper
- **WATER**: Lower water consumption/capita compared to 2005
- **WASTE**: Up recycling/composting, up waste min/diversion
- **DINING**: Local food purchasing at 22% (max points at 50%)

## Planning, Administration & Engagement
- Sustainability strategic planning document and impacts report
- Endowment: negative screening of endowment investment pool within the last three years; positive sustainability investments; committee/ etc.
- Sustainability in Continuing Education (courses, certificates, etc.)
- Student Community Service: #’s and hours