About the Sustainability Office

• Created in November 2005
• Two full time employees
• 14 student workers:
  – Graphic design, outreach, policy, project management and software systems
  – Up to eight residence hall Eco-Reps
• Central support organization for sustainability efforts at OSU
What We Do

- **Infrastructure & Policy**: identify, arrange funding for and manage sustainability projects
- **Outreach**: networking, social norming and communications - both on and off campus
- **Student Engagement & Academic Support**: inside and outside the classroom
- **Assessment & Reporting**: STARS, greenhouse gas and annual sustainability reporting
National Recognition

Cool Schools
24th in the nation for 2020!
22nd (2019)
15th (2018)
20th (2017)
11th (2013)
24th (2010)

Princeton Review
Guide to Green Colleges
(every year since 2011)
Green Honor Roll (2011, 2012)

RecycleMania Civil War
2010-2012, 2015, 2018-2020

EPA Green Power Partner
2008

League of American Bicyclists
What is STARS?

- A voluntary, self-reporting framework
- A guide for advancing sustainability in all sectors of higher education
- A common standard of measurement for sustainability in higher education
- A tool that promotes a comprehensive understanding of sustainability that includes its social, economic and environmental aspects.

STARS
SUSTAINABILITY TRACKING ASSESSMENT & RATING SYSTEM
## STARS Ratings

[http://fa.oregonstate.edu/sustainability/planning-policy-assessment/stars](http://fa.oregonstate.edu/sustainability/planning-policy-assessment/stars)

<table>
<thead>
<tr>
<th>Rating Level</th>
<th>Minimum Score Required</th>
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<tbody>
<tr>
<td>STARS Bronze</td>
<td>25</td>
</tr>
<tr>
<td>STARS Silver</td>
<td>45</td>
</tr>
<tr>
<td>STARS Gold</td>
<td>65</td>
</tr>
<tr>
<td>STARS Platinum</td>
<td>85</td>
</tr>
<tr>
<td>STARS Reporter</td>
<td>For institutions that wish to use STARS and submit data publicly but are not pursuing a rating</td>
</tr>
</tbody>
</table>
# How Well Has OSU Performed?

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Submission Date</th>
<th>STARS Version</th>
<th>STARS Score</th>
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<tbody>
<tr>
<td>2010</td>
<td>Jan. 31, 2011</td>
<td>1.0</td>
<td>69.74</td>
</tr>
<tr>
<td>2012</td>
<td>May 11, 2013</td>
<td>1.2</td>
<td>68.95</td>
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<tr>
<td>2013</td>
<td>Apr. 30, 2014</td>
<td>2.0</td>
<td>70.94</td>
</tr>
<tr>
<td>2014</td>
<td>Apr. 30, 2015</td>
<td>2.0</td>
<td>72.78</td>
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<tr>
<td>2015</td>
<td>Mar. 4, 2016</td>
<td>2.0</td>
<td>73.40</td>
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<td>2016</td>
<td>Feb. 28, 2017</td>
<td>2.1</td>
<td>72.21</td>
</tr>
<tr>
<td>2017</td>
<td>Jan. 31, 2018</td>
<td>2.1</td>
<td>72.23</td>
</tr>
<tr>
<td>2018</td>
<td>Dec. 20, 2018</td>
<td>2.1</td>
<td>72.61</td>
</tr>
<tr>
<td>2019</td>
<td>Dec. 20, 2019</td>
<td>2.1</td>
<td>74.53</td>
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</table>
# Sustainability Double Degree

<table>
<thead>
<tr>
<th></th>
<th>BS, Sustainability</th>
<th>Sustainability Minor</th>
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</thead>
<tbody>
<tr>
<td>Credits</td>
<td>32 (+180)</td>
<td>27 (within 180)</td>
</tr>
<tr>
<td>Core Courses</td>
<td>5 (17-20 credits)</td>
<td>5 (17-20 credits)</td>
</tr>
<tr>
<td>Practicum</td>
<td>3 credits</td>
<td>N/A</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12-16 credits</td>
<td>7-10 credits</td>
</tr>
</tbody>
</table>

Open to all OSU Undergrads & Post-Baccalaureates
Offered through Corvallis, Bend and Ecampus
Carbon Footprint Calculator

- OSU’s biggest sustainability goal is to reduce carbon emissions.
- A custom calculator is configured with region and campus-specific factors; adapted and maintained by the Sustainability Office.
Eco-Representatives

Eco-Reps advance and institutionalize a culture of sustainability in the residence halls in which they live. Paid job! 5-8 hours/week

They are responsible for:

- Educating residents
- Marketing and outreach efforts
- Composting program
- Energy reduction competition
Kilowatt Crackdown

A residence hall competition to cut down on energy use

Week 1
LIGHTING
April 9-15

Week 2
LAUNDRY
April 16-22

Week 3
COMMUNITY SPACES
April 23-29

Week 4
UNPLUG
April 30-May 6
Carbon Commitment

- Take interim steps by Nov. 15, 2007 to reduce GHG emissions
- Greenhouse gas inventory within one year, biennially thereafter
- Within two years, plan and timeline to become climate neutral
Ten Year Carbon Emissions Reduction by Emissions Category

- **Purchased Electricity**: 17%
- **Co-gen Efficiency**: -6%
- **Stationary Source Efficiency**: -1%
- **Cogeneration**: 27%
- **Stationary Sources**: 2%
- **Turbine**: -3%
- **Solar**: -6%
- **Electrical Efficiency**: -15%
- **Agriculture**: 2%
- **Fleet & Maintenance**: 3%
- **Commute**: 4%
- **Commute Efficiency**: -2%
- **Other Directly Financed Travel**: 2%
- **Air Travel**: 10%

Oregon State University Sustainability Office
Oregon 2015 consumption-based GHG emissions, by category of consumption and life cycle stage

- Pre-purchase*
- Use*
- Post-consumer disposal

**Water and wastewater:**
- Lighting and fixtures: 2%
- Other: 2%

**Wholesale:**
- Lighting and fixtures: 2%
- Other: 2%

**Clothing:**
- Lighting and fixtures: 2%
- Other: 2%

**Lighting and fixtures:**
- Lighting and fixtures: 2%
- Other: 2%

**Other:**
- Lighting and fixtures: 2%
- Other: 2%

**Furnishings and supplies:**
- Lighting and fixtures: 2%
- Other: 2%

**Retailers:**
- Lighting and fixtures: 2%
- Other: 2%

**Electronics:**
- Lighting and fixtures: 2%
- Other: 2%

**Transportation services:**
- Lighting and fixtures: 2%
- Other: 2%

**Other manufactured goods:**
- Lighting and fixtures: 2%
- Other: 2%

**Healthcare:**
- Lighting and fixtures: 2%
- Other: 2%

**Construction:**
- Lighting and fixtures: 2%
- Other: 2%

**Services:**
- Lighting and fixtures: 2%
- Other: 2%

**Appliances:**
- Lighting and fixtures: 2%
- Other: 2%

**Food and beverages:**
- Lighting and fixtures: 2%
- Other: 2%

**Vehicles and parts:**
- Lighting and fixtures: 2%
- Other: 2%

**Total:** 88.7 MMT CO2e

- Vehicles and parts: 20%
- Food and beverages: 13%
- Services: 12%
- Appliances: 12%

David Allaway | Oregon Department of Environmental Quality
CH2M Hill Alumni Center

- Savings totals FY13-FY19: ~$202,500
  - $100,450 electricity
  - $102,044 natural gas
Gold Level Bicycling University

ZAP OSU: bike to campus, win rewards

How ZAP works

- Tag your bike
- Ride past readers to collect ZAPs
- Be entered automatically into monthly incentive drawings!
Carshare & Sustainability at OSU

- 6 Zipcars near residence halls (and counting!)
- Reservations by the hour or day, available to students 18+ (international licenses ok!)
- Zipsters drive less: each user reduces GHG by ~0.7%

**Owning it**

80% of university Zipsters

**Don't own a car**

(and why should they?)

42% are less likely to acquire a car

in the next few years due to Zipcar

30% of on-campus students

**Would have brought a car**

to campus if Zipcar wasn't available

Methodology: Zipcar surveyed more than 30,000 of its members in October 2015. Approximately 10,000 members were part of the “college and university market,” meaning they are current students and/or staff/faculty at a university.
Green Office Certification

- Measures workspace sustainability and provides recognition for OSU employees (including student employees) who ‘green’ their space.
- Provides resource library with new ideas for easy steps to reduce environmental footprint and carbon emissions.
- Scalable to any size operation!
Sustainability Advocates

- Represent various units across campus
- Communicate about events, funding and other resources
- Quarterly networking meetings over hosted lunch
- Advocates bring ideas for how to make their departments more sustainable
- Have fun with sustainability!
Find us

sustainability.oregonstate.edu

facebook.com/OSUsustainable

@OSUSustainable