

Sustainability Committee
Monday, October 21, 2013, 3:00-4:00, Building 16, Room 142
Notes

1. Welcome and Introductions : Name, department, and sustainability dream for this year

- Elizabeth Andrade, President's Office: Economic sustainability, better use of college resources, fewer meetings, more production.
- Susie Cousar, Health, PE, & Athletics: Movement on Climate Action Plan and transportation portion in particular. Also steps made toward having a Sustainability Center – a place where people can collaborate and get resources, similar to the Women's Center.
- Jennifer Hayward, Institute for Sustainable Practices: Improve Climate Action Plan so that it includes all of the real steps to achieve climate neutrality.
- Tim Hovet, Business: Participating in Committee and sustainability at Lane.
- Rachelle Katter, Health, PE, & Athletics: Participating in Committee and sustainability at Lane.
- Brian Kelly, College Services: Presidents' Climate Commitment – figure out how to really get there.
- Claudia Owen, Science: Reduce our transportation footprint.
- Margaret Robertson, Advanced Technology: Break out of incremental steps and go for a big hairy audacious goal. Begin implementing items from the Sustainability Planning Visioning session that we held in February 2012.
- Anna Scott, Institute for Sustainable Practices: 21-day habit changing program for sustainability.
- Mike Sims, Institute for Sustainable Practices: Recycling program gets the resources to increase recycling rate to 70% and is able to maintain that rate. Bike Lane is thriving.
- John Thompson, Science: The Biodiesel plant is operating and sustainable. National Green Chemistry Certification.
- Sarah Whitney, Cooperative Education, Science, and Institute for Sustainable Practices: Low Impact Development* Feasibility Study is moving forward.

2. Updates and Announcements

Green Office Certification Update – Jennifer reported that 4 departments are now certified and 5 other departments are working on certification. Future committee item will be promoting and reviewing the Certification.

Take Back the Tap Update – There are two new bottle filling stations in Building 11 and one new station

*Low Impact Development is an approach to land development, or re-development, that works with nature to manage stormwater as close to its source as possible (<http://water.epa.gov/polwaste/green/>).

in Building 15. The cafeteria and Titan Stores are still not selling water in disposable plastic bottles. Vending machines do still have bottled water in them. The Sustainability Committee will discuss strategies for getting the water out of the vending machines at a future meeting.

Peacemaker Project Presentation on 10/22 – Jennifer reported that the Peace Center is hosting a presentation by young Palestinian and Israeli scholars on 10/22/13 at 1 pm in Building 19, Room 226.

Low Impact Development Feasibility Study: Sarah announced that she completed a feasibility study on creating a low impact development* overlay plan for Lane. A low impact development overlay would provide a roadmap for the college to create ways for stormwater to flow through campus in a more natural, eco-friendly manner rather than being piped to Russell Creek as is currently the case. The Committee requested a copy of the feasibility study and to see a presentation on the study at a future meeting. Jennifer will distribute this report to the Committee once the final version is available.

3. AASHE Debrief

Anna reviewed two of the sessions that she attended at the recent Association for the Advancement of Sustainability in Higher Education Conference. One session was on Sustainability & Sound and talked about naturally ventilated buildings and nurturing soundscapes. The other session was called Building Organizational Resilience through Sustainability Performance Indicators and explored systems thinking about fit and purpose. Traditional performance indicators can be useful, but it is not all about eco-efficiency and cost savings. We also need to think about how we want to live on this earth.

4. Brief Strategic Direction Implementation Plan and Climate Action Plan Progress Report

Strategic Direction Implementation Plan: Items under Goals #3, 4, and 5 are largely completed or solidly started; however, we have not made much headway on items under Goals #1 and 2. Goal #1 is about increasing sustainability literacy among students and employees and Goal #2 is about purchasing and business practices. The Strategic Direction Implementation Plan is attached. Items that we have not worked on yet are highlighted.

Climate Action Plan: Despite some good work on energy efficiency, renewable energy, and transportation demand management, Lane's greenhouse gas footprint increased by about 10% between 2007-08 and 2011-12. However, student enrollment increased by 39% over that same period, so emissions per FTE decreased by 20%. Next steps are:

- Develop a better data collection system to improve accuracy of the GHG inventory.
- Prepare a formal progress report.
- Campus-wide education and engagement.
- Develop more specific strategies with timelines, milestones, and budgets for reaching carbon neutrality.

The Climate Action Plan update presentation is attached.

5. 2013-14 Sustainability Committee Project Selection

The Committee brainstormed projects for this year:

1. Service learning (sustainability-related) in every class.
2. Transportation projects related to Climate Action Plan **(x2)**.
3. Lectures/professional development in education for sustainability for instructors (series of seminars).

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4. Engage with small business owners – SBDC sustainability resilience certificate.
5. 21-day habit change challenge for one or more sustainability practices.
6. Lunch bunch for Green Office Certified departments.
7. Student projects to create business plans for sustainability projects.
8. Get biodiesel project operating sustainably.
9. Social justice pieces (procurement).
10. Sustainability in curriculum training for instructors.
11. Build understanding of personal financial benefits of sustainable practices (support SALT: a new personal finance program for Lane students).
12. Lane as a training center for sustainability.
 - a. Personal finance.
 - b. Food/self-sufficiency/food-security/permaculture.
 - c. Reducing your carbon footprint.
13. Governance: develop a high level strategy for resources, policies, etc.
14. Reduce emissions from commuting (policy/incentives to encourage reduction of single occupant vehicles).
15. Policy/incentives for reducing waste in cafeteria.
16. Moving Low Impact Development* Feasibility study forward.
17. Organize campus-wide conversations about GHG emissions and Climate Action Planning to build momentum toward reaching carbon neutrality.
 - a. Engage OSPIRG and Theater department.

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Climate Action Plan Update 2008 to 2012

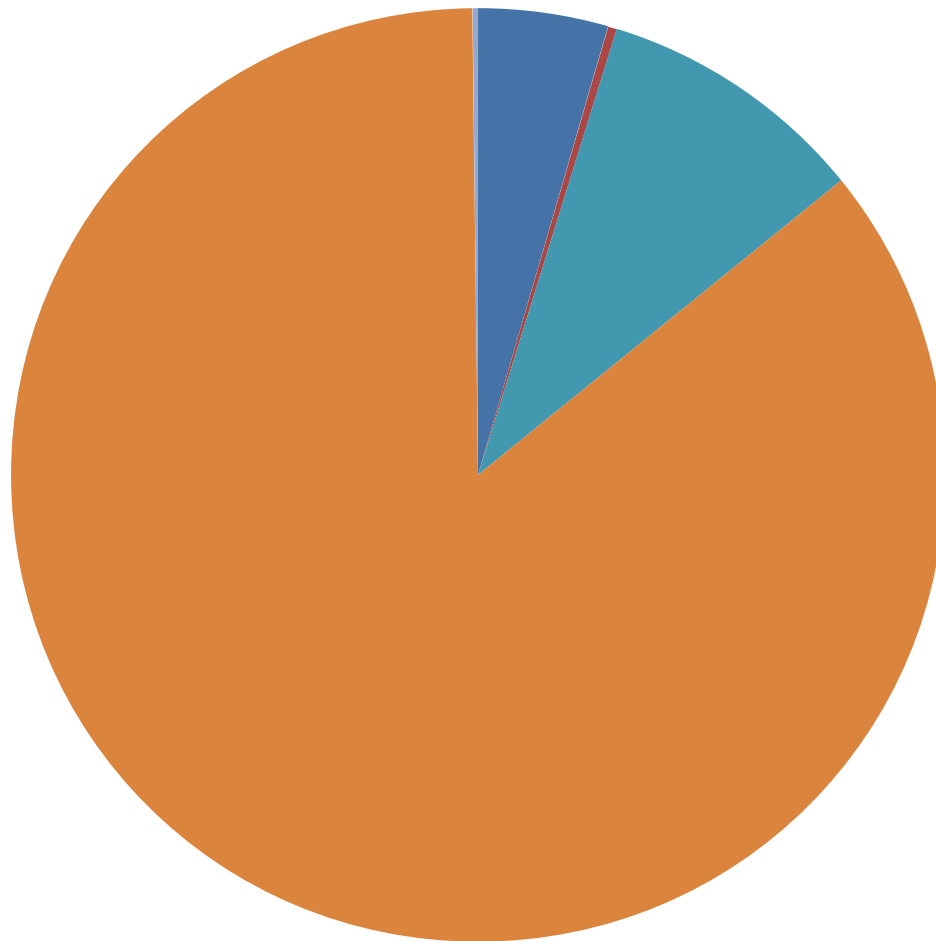
Sustainability Committee

October 21, 2013

Greenhouse Gas Inventory - 2008

61,845 MT CO₂e

2008 - CO₂e



- On-Campus Stationary Combustion
- Fleet Vehicles
- Refrigerants
- Fertilizer
- Electricity
- Daily Commuting
- Air Travel

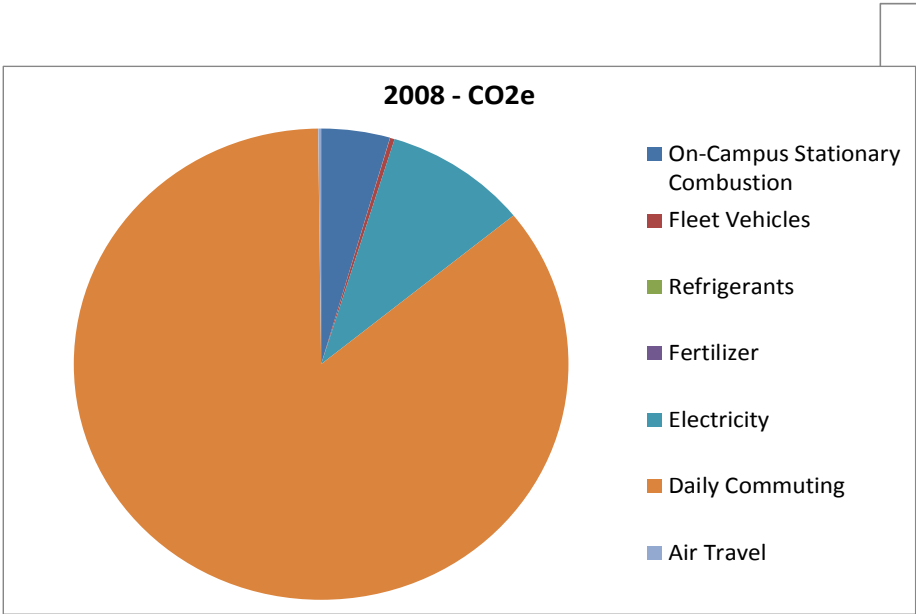
Highlights of Completed Projects 2008 to 2012

- New, highly insulated roofs on Center and Buildings 2, 4, 6, and 11
- Building 2 data center heat recovery system
- Solar station
- Carpool only parking

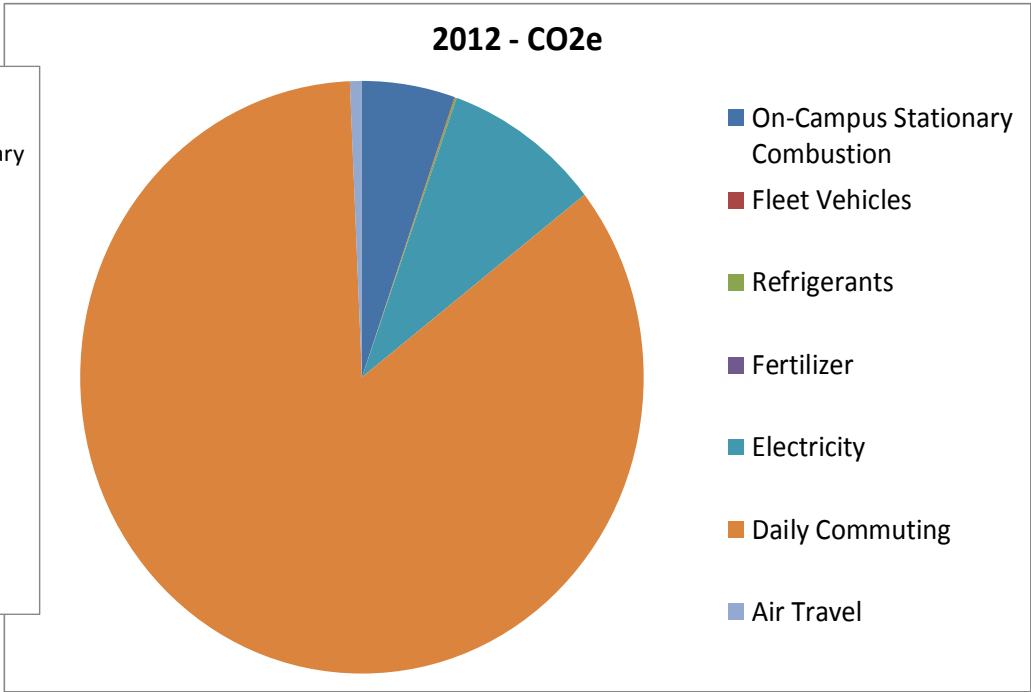


Greenhouse Gas Inventory – 2008 vs. 2012

61,845 MT CO₂e





67,811 MT CO₂e



10% ↑

Greenhouse Gas Emission Comparison FY08 vs FY12

- Emissions/FTE  20%
- Emissions/building ft²  2%



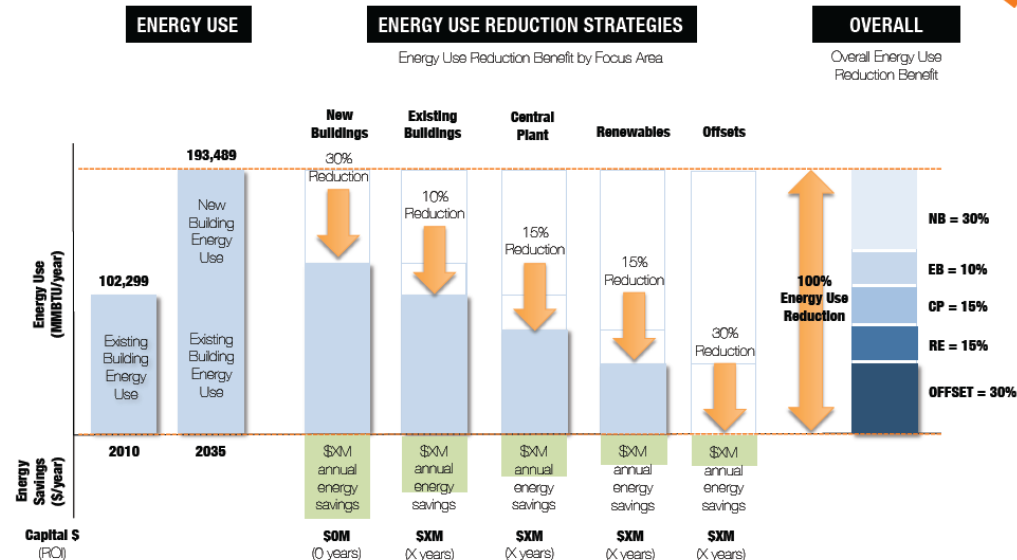
Next Steps

- Develop a better data collection system to improve accuracy of the GHG inventory.
- Prepare a formal progress report.

Commuter Emissions Estimations and Calculations			
	FY08	FY12	Comments
Total student enrollment	34,364	38,871	
Student FTE	11,064.80	13,510	
Number of bus pass stickers distributed	8798		This data used to be tracked by the Bookstore & FMP, but it is not anymore. Data may be a question to Darlene Baker, Helen Garrett, and Ray Smith on 8/20/13.
Number of students who obtained bus pass photo ids	4000	3815	FY08 is an estimate. FY12 & 13 are actual photo ID counts
Bus boardings at LCC - fall term	1318	2405	FY08 data is a one day count. FY12 & FY13 are an "average." Info provided by LTD
Bus boardings at LCC - spring term	1301	2290	FY08 data is a one day count. FY12 & FY13 are an "average." Info provided by LTD
Average bus boardings in a day at LCC	1309.5	2347.5	
Average boardings per FTE	12%	17%	
Estimated percent of students who ride bus	10%	16%	
Estimated bus miles/trip	10	10	
Estimated percent of students who walk or bike	2%	3%	Increased number due to Bike Loan program
Estimated percent of students who drive alone	87%	77%	
Estimated percent of students who carpool	1%	5%	Increased number due to purchase and promotion of carpool matching service - Zimride
Estimated car miles/trip	16	16	See enrollment by zip code spreadsheet
Days/year students	155	155	
Estimated percent of employees who take the bus	5%	5%	
Estimated bus miles/trip	5	5	
Estimated percent of employees who walk or bike	5%	5%	
Estimated percent of employees who drive alone	85%	83%	
Estimated percent of employees who carpool	5%	7%	Increased number due to purchase and promotion of carpool matching service - Zimride
Estimated car miles/trip	10	10	
Days/year faculty	169		
Days/year staff	226		
Data highlighted in orange was provided by Russ Pierson			

Next Steps

- Campus-wide education and engagement process.
- Develop more specific strategies with timelines, milestones, and budgets for reaching carbon neutrality.



A Sustainable Learning and Working Environment

Implementation Plan

Goal #1: Increase sustainability literacy among students and employees with the intent of promoting a socially, environmentally, and economically sustainable society

Implementation Action Plan

- Infuse sustainability throughout the curriculum in all disciplines.
 - Develop online curriculum infusion training.
 - Develop a series of seminars in which faculty give presentations on how they infused sustainability into their curriculum.
 - Develop a system to acknowledge and maintain sustainability infused and/or focused curriculum
 - Ensure that sustainability focused classes are highlighted in college catalogue.
- Include sustainability in Lane's core abilities.
- Support and highlight co-curricular activities such as the Green Chemistry Club, the Learning Garden, and the Sustainable Living Skills Council that provide hands-on learning opportunities for students in sustainability.
 - Use main webpage rotating banner to highlight these clubs.
- Support development of Integrated Learning Center that includes the Institute for Sustainable Practices.
- Promote the new Sustainability Coordinator AAS degree, along with other Sustainability related degrees for students who want to work in this career field.
- Celebrate and highlight successes and efforts

Goal #2: Create systems that promote implementation of sustainable purchasing and business practices leading to better resource utilization, conservation, and social equity

Implementation Action Plan

- Ban bottled water. Install water container filling stations and promote either the reuse of glass containers or stainless steel water bottles as more healthy and sustainable options.
- Adopt a sweatshop free procurement policy similar to that of the city of Portland.
- Work with Office Max to develop recommended green purchases to highlight on our web interface and an inventory of more sustainable items that are auto-substituted for less sustainable items (i.e. low odor white board markers are auto-subbed for regular markers).
- Continue to work with purchasing to establish guidelines for larger purchases that include life cycle costing.
- Use state standards to integrate preferential status for recycled content in construction materials.
- Research setting up a microloan program for sustainability projects.
- Celebrate and highlight successes and efforts

Goal #3: Implement, improve, and evaluate progress of the climate action plan

Implementation Action Plan

- Develop system for tracking status of actions.
- Develop an improved method for estimating transportation emissions.

- Update plan to include a more specific path for getting to carbon neutral.
 - Assess allocated funds and resources to support achieving the Climate Action Plan.
- Celebrate and highlight successes and efforts.

Goal #4: Develop and implement plans to promote and practice sustainability in all units

Implementation Action Plan

- Catalogue current status of unit sustainability efforts.
- Create a “tool box” with easy to implement sustainable practices from which departments can pull, including a departmental break room composting kit.
- Celebrate and promote these efforts as a way of encouraging other units to model best practices of others.

Goal #5: Identify opportunities and support for faculty and staff to pursue professional development to promote the incorporation and understanding of sustainability in all phases of the curriculum and the work of the college, and to conduct that work using sustainable practices

Implementation Action Plan

- Update and improve Lane’s sustainability website to offer more current and user friendly information.
- Develop and maintain an updated calendar of sustainability-related professional conferences. Promote these conference opportunities to the campus community.
- Develop and offer a series of sustainability educational seminars at Lane.
- Develop plans to contribute funding towards professional development relating to sustainability.
- Develop and promote a list of sustainability readings including books, articles, and websites.