

# **A Climate Action Plan for Reed**

**mitigating and adapting to environmental degradation**

by Hayden Hendersen with fellowship advisor April Sams

## **Goal**

Describe Reed's environmental impact and offer ways to reduce it and adapt to a changing climate.

# Methods

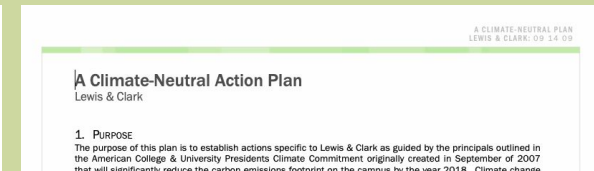
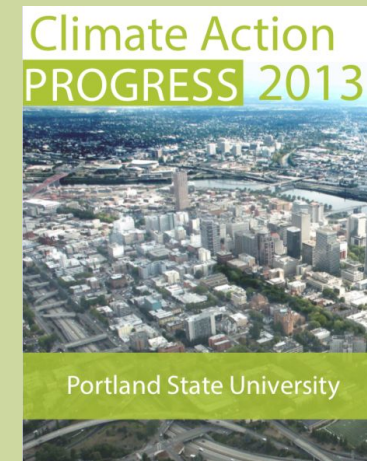
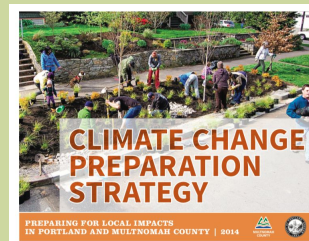
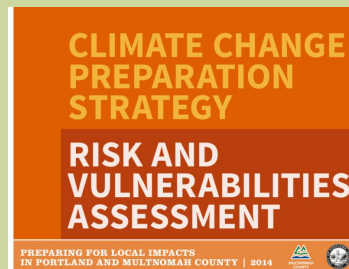
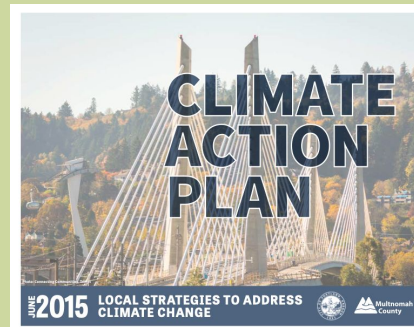
## Qualitative:



**Open-ended interviews** with people and departments on campus that influence current waste, chemical and land use, energy sources, and purchasing



**Adapt ideas** for Reed from other college and city Climate Action Plans and **readings**



**Reed College Climate Impact Assessment**  
**Reducing Reed's Carbon Footprint, One Watt at a Time**  
Environmental Studies Junior Seminar, May 2015



# Methods

## Quantitative:



### Waste audits:

- % correctly sorted recyclables
- Dumpster levels
- Common waste streams



Energy, water, and gas use **receipts** used to identify renewable implementation **estimates**



NATURAL GAS			
Therms		596,311	
Total \$		\$297,591	
MMBTU		59,631	
\$/MMBTU		\$5	
OIL/GAS			
Total Therms		596,311	
Total \$		\$297,591	
MMBTU		59,631	
\$/MMBTU		\$5	
ELECTRICITY			
kWh		10,719,896	
Total \$		\$997,021	
\$/kWh		\$0.093	
MMBTUs		36,587	
WATER			
CCF		18,403	
Total \$		\$430,733	
\$/CCF		\$23	

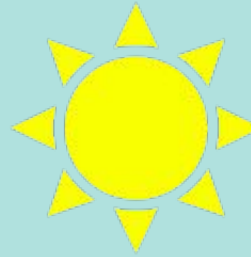
## Findings: *Where should we go?*



85% **plant-based meals** by 2030;  
Catering food recovery



**Divest**  
endowment  
from fossil  
fuels



100%  
**Renewable**  
Energy by  
2030



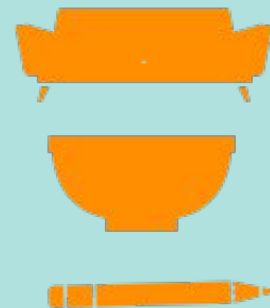
LEED  
**building**,  
reduce new  
concrete,  
install plastic  
water filters



**Recycling** Center  
and **compost**  
signage, bin  
expansion, and  
education



Provide  
**transportation**  
incentives,  
nearby housing,  
telecommuting  
policies



“Office Things” Libraries  
and **Sustainable**  
**Purchasing Guidelines**

- Clothing standards
- Loop office supplies
- Reduce disposables

## Findings: *Where should we go?*



Need **centralized sustainability office** and coordinator to implement changes, educate the community



**Mindset change:** action as integral to education



Sustainability **fund**



Department, building, time-period **specific instruction**



Footprint **data**, monitoring



# Selected Bibliography

Thanks to April Sams, Towny Angel, Doris Hall, Emily Hebborn, Carey Booth, Zac Perry, Shane Kaser, Bill Vaughan, Steve Yeadon, Ray Krebs, Dhyana Westfall, Justice del Castillo, Mahalia Dryak, Billy Fish, Student Body Senate, Greenboard, and Sustainability committee for helping compile energy and utility receipts from Physical Plant, square footage data from Physical Plant, ideas from our meetings and informal interviews, editing, etc.

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