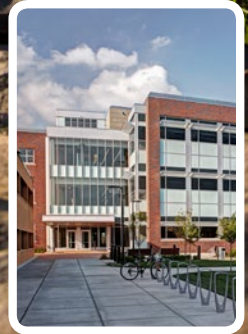




ST. CLOUD STATE UNIVERSITY **Sustainability**



View this document electronically:



www.stcloudstate.edu/facilities/sustainability.aspx



ST. CLOUD STATE
UNIVERSITY

EDUCATION FOR LIFE.



Learn More!

www.presidentsclimatecommitment.org

Carbon Neutral by 2035

St. Cloud State University has signed the American College & University Presidents' Climate Commitment (ACUPCC).

What Does This Mean?

- SCSU has committed to becoming carbon neutral by 2035, with a short-term target of a 15% reduction by 2017 and a mid-term target of 40% reduction by 2024. The 2014 Greenhouse Gas Emissions Inventory revealed that SCSU had already achieved a 13.9% reduction.

By signing the ACUPCC, SCSU has also agreed to accelerate research and educational efforts regarding sustainability.

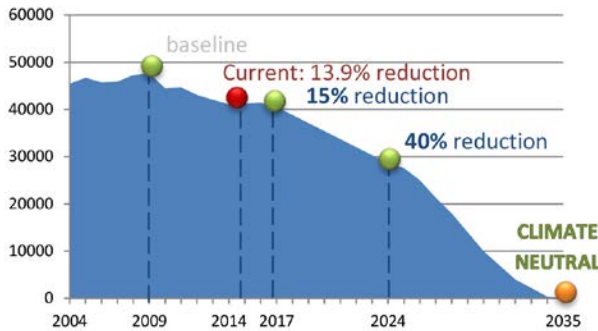
SCSU has completed two Greenhouse Gas Emissions Inventories, and a new inventory will be completed every two years.

SCSU has developed a Climate Action Plan to determine how it will reach its goal of becoming climate neutral.

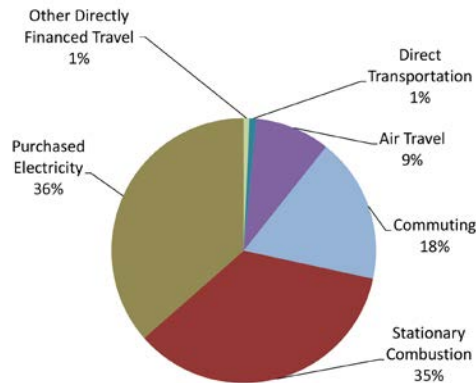
SCSU's reports are publicly available at

www.presidentsclimatecommitment.org and www.stcloudstate.edu/facilities/.

Emissions Goals



2014 Emissions Sources



Investing in "Green" Buildings

A new \$44.8 million science and engineering building opened for classes and research Fall 2013. The Integrated Science and Engineering Laboratory Facility (ISELF) provides state-of-the-art facilities to support sustainable research and partnerships with companies that are global leaders in bio-agriculture, renewable energy, medical devices, pharma/biologics and animal science.

- 89.5% of construction waste was diverted from the landfill.
- Provisions were made for future photovoltaic panels.
- An electronic dashboard can provide live measurement of the building's performance.



In addition, recent renovations at some of the residence halls have incorporated many green features.



Learn More!

<http://www.stcloudstate.edu/reslife/Sustainability.asp>

Behind the Scenes

- All new buildings will be designed to meet or exceed State of Minnesota B3 sustainability guidelines.
- A new high efficiency central chiller and cooling tower have been installed, which are projected to save approximately 220,000 kWh of electricity per year.

Controlling Storm Water

- A storm water pollution reduction project scheduled to start Summer, 2015 will significantly reduce pollution runoff into the Mississippi River.

Waste Recycling

- SCSU has recently implemented a single-sort recycling program.



Learn More!

<http://www.republicservices.com/businesses/all-in-one-recycling>

Energy Conservation

- For three years in a row, SCSU has been recognized by Xcel Energy as an Efficiency Partner for our energy conservation measures. Of Xcel Energy customers, the campus ranked 3rd best in the state in decreasing our use of natural gas.

Did You Know?

In the United States, buildings account for

36%

of total energy use.

Source: U.S. Green Building Council

SCSU works to

REDUCE

energy and chemical usage by purchasing Green Seal cleaning products and ENERGY STAR® equipment.

The William H. Kurtz Sustainability Service Award honors one undergraduate student annually.

Over two dozen environmental service-learning projects have been enacted with area community partners since 2005.

At the end of the semester, residential students are able to donate items for

REUSE

by local non-profit organizations.

Annual clean-ups tied to academic/ environmental courses:

Annual "Trick-or-Trash" Clean-up

Annual Sauk River Clean-up

Adopt-a-Block Program

Annual Mississippi River Clean-up

There are

5

STUDENT ORGANIZATIONS
that are focused on sustainability and the environment:

Students Organized for Sustainability
Biological Graduate Students Association
Environmental & Technological Studies Club
SCSU Ecology Club
Wind Energy Association

SCSU is actively involved in sustainability RESEARCH:

- Researching organic semiconducting materials for use in devices like organic solar cells
- Determining the effect of land management techniques on the reintroduction of species
- Studying transit systems within urban community development
- Modeling environmental and economic systems and investigating renewable energy options
- Exploring bio-remediation techniques using algae to break down waste and uses for the resultant by-products
- Studying water quality throughout the nation and its effects on aquatic life
- Evaluating how damming affects the river environment and the effects of dam failures
- Researching chemical-free and contact-free cleaning methods

Each year, we

RECYCLE

to keep 8,000 tons of waste from the landfill.
Plastic, metal, glass, paper and cardboard can be placed in bins throughout campus for recycling.

Sustainability content is included in over

90

COURSES

Many class projects and service-learning projects involve sustainability.

SCSU volunteers remove 1,200 pounds of garbage from the banks of the Mississippi River each year.

Did You Know?

In the United States,
food waste accounts for

14%

of the total trash generated

Source: <http://www.epa.gov/osw/conserve/materials/organics/food/fd-basic.htm>



Community Garden

- The St. Cloud State University Community Garden is located on 5th Avenue South near 6th Street. Here, people from SCSU and the larger community can participate in planting, growing, and harvesting their own food.

Farmer's Market

- The Atwood Memorial Center Community Farmer's Market was launched in 2009 to promote sustainability by making locally grown foods available on campus.



Learn More!

<http://www.youtube.com/watch?v=kZPx5w2usGk>

Serving Up Sustainability

SCSU's food service vendor, Sodexo, is committed to sustainable practices.

- Sodexo has committed to purchasing 20% of products locally by 2020.
- 100% of fish and seafood is sustainably certified by the Marine Stewardship Council or the Best Aquaculture Practices.
- Food waste is sold to a local farmer to be used as feed for pigs.
- Non-disposable dishes are used in dining facilities.
- A new dishwashing system saves water and energy and reduces waste.
- Napkin dispensers encourage users to take (and waste) fewer napkins, and the napkins are made of 100% recycled paper.
- Coffee served is Fair Trade Certified.



Learn More!

<https://stcloudstate.sodexomyway.com/planet/local.html>

Trayless Dining Saves:

- 500 gallons of water per day
- 10% less soap / cleaning chemicals
- 750 fewer pounds of food per day



Water bottle refill stations throughout campus have resulted in the avoidance of thousands of disposable water bottles.

Plug-In for Power

- SCSU was the first higher education member of the Drive Electric Minnesota initiative. This organization is a partnership public and private organizations working to bring electric vehicles (EVs) and plug-in charging infrastructure to Minnesota.
- SCSU has reduced its fleet of gasoline vehicles and added 4 GEM 100% electric vehicles. These vehicles have a range of 25 miles at 20 mph and an electricity fuel cost of only \$0.02 per mile.



Husky Fried Ride

- Launched in 2008, the Metro Bus Husky Fried Ride was the first public transit bus in the country to be powered by recycled vegetable oil.
- Powered by a mixture of 70% recycled vegetable oil and 30% diesel fuel.
- Each week, more than 150 gallons of vegetable oil from deep fryers at St. Cloud State University is reused as fuel.
- Awarded a 2008-2009 Innovative Partnering and Collaboration Award.



Carpooling

- An online rideshare board is available.



Learn More!

www.stcloudstate.edu/atwood/rideshare.asp

Car Sharing

- Vehicles are available on campus for hourly and daily rentals.



Learn More!

<http://www.enterprise-carshare.com/car-sharing/program/stcloudstate>

Bicycling

- Both standard and fat bikes can be rented on campus.



Learn More!

www.stcloudstate.edu/campusrec/outdoorendeavors/bikeshop.asp

Public Transportation

- Metro Bus passes are free for students and employees.



Learn More!

http://www.ridemetrobus.com/college_connect.php

“Sustainability is a concept that embraces more than our physical environment. In its broadest sense it also includes social justice practices that reduce, we would hope eliminate, the waste of human potential.”

Earl H. Potter III, President, St. Cloud State University
2011 Faculty & Staff Spring Convocation



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