Creighton
UNIVERSITY

Timeline of Environmental Sustainability at Creighton

An Ongoing Record
Initially Prepared by PACS
Working Group 2

Overview

- ❑ Programs & Events
- ❑ Curriculum & Department Impacts
- ❑ Influences, key changes and/or events
- ❑ Organization & Council Impacts
- ❑ PR Opportunities
- ❑ Industry and Conference Engagements
- ❑ Further Research Opportunities
- ❑ Sodexo Discussions
- ❑ Tabled or discontinued Programs and Recommendations

Timeline: Dashboard

Program & Events

Inspired by Sustainability Council

1995

Recycling begins.

2002

Energy Awareness Committee turkey poop.

2005

Energy Siestas.

2008

Gifford Park community garden on Creighton land begins.

Single-stream recycling begins (Harper) & recycling bins placed in residence hall rooms.

Johnson Controls: Sustainability Navigator.

Dining halls go tray-less.

MetrO! Rideshare program

First "Sustainability Day" in October.

First recognition as Tree Campus USA.

The council was told that the University has incorporated sustainability into the strategic plan.

Electric vehicles added to Facilities fleet.

2009

Habitat ReStore collection event on campus.

Energy Star commitment.

Single-stream recycling came to Boyne on March 17. Faculty members are angry about the change.

Bottle filling station added to water fountain in KFC.

First Arbor Day celebration, including Tree of the Year contest.

Computer-controlled irrigation system installed.

2010

Vend-misers installed on Pepsi machines.

Creighton was awarded $10,000 worth of trees through the Arbor Day Foundation and Toyota through Tree Campus USA.

Recyclemania (2010-2015).

ZipCar station installed on campus. (total of 4 stations).

First Greenhouse Gas Emissions inventory.

Beginning of "Green Bag lunches" cohosted by SCSJ/Facilities.

Ignatian Garden created ($30 fee and selected using lottery process & fee has not increased).

Alternative energy; Photovoltaic array, windspires and PV installed on CU campus.

2011

Fair Trade University application begins.

Plans for more alternative energy installations.

Unwanted bikes are fixed and sold as a part of Earth Day.

"Taxi Service" (JayRides) to provide a more efficient after hour's alternative to the bigger shuttles.

Bike shop talks begins.

2012

First St. Francis celebration.

1st year of OneShirt challenge.

Beginning of planning for bike trail through campus.

First water-bottle filling station installed.

Introduction of Pepsi's Dream Machine recycling program.

2013

GIVEandGO! MOVE OUT 2013

Donate your goods to help your community and the environment.

Beginning of Wenninghoff CSA (community sponsored agriculture) program (2013-2016) weekly bags of fresh produce delivered to the Creighton campus for an 18-week program.

Participated in pilot program for residence hall move out (2013-present and donated up to 80K lbs., to Goodwill).

2014

Purchasing's Guidance on beverage purchasing highlights sustainability concerns, including a sentence on "University funds should not be used to purchase bottled water for internal use." Not reinforced.

First Spirit of St. Francis Award (2014 - present).

Development of Mission Statement for Sustainability Council. Go to http://www.creighton.edu/fileadmin/user/sustainability/docs/Sustainability_Council_Mission_Statement.pdf

2015

Jays Dig Deep (formerly Green Thumbs) formed.

EV Charging stations installed (2 stations).

"Do Your Part" energy curtailment project with Verdis Group.
OPPD charges "demand charges" based on the highest demand in the summer and the winter. Active in the summer.

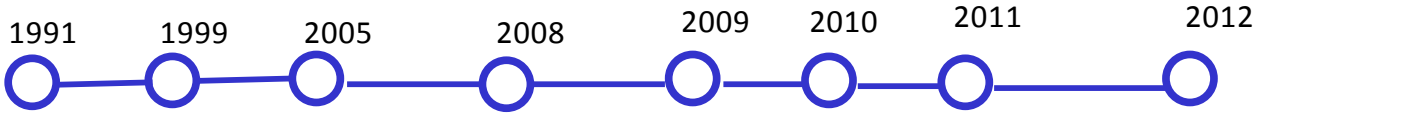
2016

EnergiPlant inducted onto CU campus as alternative energy (solar power+ integrated wind turbine, production 200W) located behind Eppley.

Timeline: Dashboard

Curriculum & Department Impacts

Inspired by Sustainability Council



1991

Environmental Science (EVS) Program founded by J. Schalles (Biology) and A. Douglas (Atmospheric Science) as a new B.S. degree program; program was interdepartmental and relied heavily on courses in Biology and Atmospheric Science.

1999

Environmental Science, EVS Program is reorganized to be housed within the Atmospheric Science, ATS Department with planned space and facilities in the new Hixon Lied Science Building

2005

EVS is removed from ATS and reinstated as an interdepartmental program with involvement by 15 faculty in seven departments (Average number of graduates in EVS program from early 1990s to 2014 is 11/year).

2008

Recycling bins in residence hall rooms.

2009

Russell CDC nature Classroom installed.

Global Warming Teach-In.

2010

The Department of Fine and Performing Arts hosted an installation entitled "Watered Down" in September.

2011

Energy Technology Program begins offering courses in major and minor programs; initial director is Mike Cherney (Physics).

"Deliberation on Sustainability" class's involvement.

2012

Discussion of Sustainability Institute.

Beginning of talks about Sustainability major.

Sustainability in the Humanities and Social Sciences Silent Retreat

Masters in Public Health program begins.

Environmental Health Course begins (offered in Fall semester).

Sustainability Studies program approved by curriculum committee.

Sustainability Studies Program begins accepting students, major and minor program, interdepartmental.

Creighton has a comprehensive set of environmental, academic programs (Environmental Science, Energy Technology and Sustainability Studies); directors, respectively, are Mary Ann Vinton (Biology), Larry Hoppe (Physics) and Jay Leighter (Communication Studies); strategic planning is ongoing to coordinate efforts and enhance marketing and recruitment.

Timeline: Dashboard

Influences, Key Changes and/or Events

2000

Fr. Schlegel (JPS) becomes president of Creighton.

2008

Lennis said that planning and design of the Ryan Athletics Center and campus rec center is inclusive of **LEED (Leadership in Energy & Environmental Design)** requirements. The building will not be certified but it will be certifiable.

2009

Ken Reed-Bouley asked the Council to consider **adding a stronger emphasis in the scope and definition of sustainability** to include a stronger statement about social justice.

Fr. Schlegel signs ACUPCC (American College and University. President's Climate Commitment).

2010

Fr. Schlegel drives Prius.

2011

JPS retires.

Fr. Lannon (TPL) **becomes president** of Creighton.

2013

Lennis Pederson retires from Facilities Management.

Fr. Lannon **signs** St. Francis Pledge.

Discussion on whether committee **should be a presidential** committee

2014

Atmospheric Science Department is **eliminated** and one remaining faculty member moved to Physics Department.

TPL retires.

2015

Fr. Hendrickson becomes **president** of Creighton.

Fran Angeroth **retires** from Facilities Management.

Chris Bradberry **interim** president.

2016

Joe Zaborowski **retires** as Director of Purchasing.

PACS is (Presidential Advisory Committee on Sustainability) **formed.**

The university has **saved** approximately $1,000,000 on utilities over last year.

Ed O'Connor **leaves**; Tom Murray interim provost.

Timeline: Dashboard

Organization & Council Impacts

Inspired by Sustainability Council

1995

Waste reduction advisory committee.

2003

Energy Awareness Committee suggests sensors, etc .,

2008

Employee that went around and turned off lights, space heaters, etc.,

Sustainability **website** developed (Not currently CU branded)

Sustainability Coordinator created (2016 position to be activated).

Sustainability Council **founded**.

2009

Purchasing policy on Sustainability.

First work study for Sustainability (in Facilities).

Sustainability Policy drafted by Sustainability Council.

2011

A **sub-committee** of the Council has been **established** to develop a program for parking all electric cars on campus.

Sustainability logo designed.
Presentation made **to Staff Advisory Council** about sustainability.
E-Commerce (CUBuyPlus) begins to streamline purchasing and reduce paper usage.
Facilities offers $500 **sustainability grants:** Erin Gross bought composters for her green chemistry class and now located in the Ignatian Gardens.

2012

Utility and Energy Master Plan: funding $250K with Phase I complete.

Discussions about **producing biodiesel** on campus (now part of Energy Technology program).

Recycling video internally produced by Done by MarCom. Starring Rick Davis and Hunter Allen, student . Refer to **YouTube** to view current content: https://www.youtube.com/watch?v=oBo58tNfa8w
Recommend an update.

2014

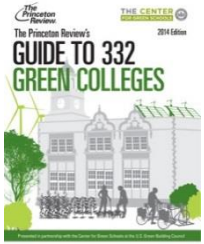
Sustainability brochure developed.

2015

Development of **Mission Statement** for Sustainability Council.
Go to http://www.creighton.edu/fileadmin/user/sustainability/docs/Sustainability_Council_Mission_Statement.pdf

2016

Sustainability included as part of **Examen process**



Timeline: Dashboard

PR Opportunities

Inspired by Sustainability Council

2010

First Sustainability Report Card (now Princeton Review).

Creighton becomes Energy Star Partner.

2012

Discussion of submitting an application to the Sustainability Institute Nomination.

2013

Creighton wins Heartland Commuter Challenge (metro challenge for businesses to compete on alternative commuting).

Awarded tree Camp USA Award.

2015

Excellence in Procurement Award.

2016

The City of Lincoln's "Mayor's Committee on International Friendship" is hosting an international (Wanted to talk to Creighton as an example of a religious-based institution. Delegation from Creighton met with delegation from several countries, including the Netherlands, the Vatican, China, and more).

Environmental Global Citizenship: Creighton Global Initiative awarding $140K for the development of international exchanges for students in Sustainability Studies, Environmental Science and Energy Technology.

Timeline: Dashboard

Industry & Conference Engagements

Inspired by Sustainability Council

2008

Michael McMeekin (President, Lamp Rynearson) spoke to the Council about how sustainability is impacting design and construction.

2009

A Leadership in Sustainability convocation of local businesses.

Hosted first Midlands Sustainability Forum.

Attended Faith and the Environment Symposium.

Attended Leadership in Sustainability convocation of local businesses.

2010

The Sustainability Council and Joslyn Institute for Sustainable Communities hosted Conversations Conferences on Nebraska Environment and Sustainability.

Grant to Joslyn Institute for Sustainable Communities.

2011

Sustainability and Catholic Higher Education: A Toolkit for Mission Integration.

2015

Laudato Si reading group

Timeline: Dashboard

Further Research Opportunities

Inspired by Sustainability Council

Waterless urinals: 1 unit installed in Jelinek Bldg. as case study.

Excess food to be **donated** to a homeless shelter, Campus Kitchen?

Beginning stages of planning **alternative energy programs and infrastructure**.

First discussion of **bus passes for employees.**

DoIT looking at making **printer fleet** more efficient.

Audit of Sustainability Council.

Lennis Pederson discussions of **in-vessel composting.**

Investigation of CNG vehicles for fleet.

Climate Action Plan written: Implementation for recommendation pending.

Bike repair station installed near Boyne through grant funding for on site bike repairs but tools stolen.

Purchasing **study with NBDC**.

Commuting survey updated.

Sustainability survey in Kenefick.

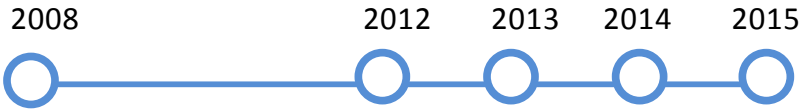
Local farm purchasing.

Fair Trade Coffee.

Timeline: Dashboard

Sodexo Related

Inspired by Sustainability Council



Randall Nichols from Element Distributing gave a presentation on sustainable packaging to the sustainability council which Sodexo advised increase cost for carry out if implemented.

Sodexo energy audit was conducted but suggestions never implemented.

Sodexo committed to sourcing cage-free eggs from suppliers.

Sodexo internationally articulates their commitment to the environment. Review results of report, go to Sodexo 2014 Registration.

Sodexo expresses commitment to sustainability.

NOTEWORTHY:

From Mike Flemming: "Sodexo's mission to enhance Quality of Life includes a meaningful commitment to sustainability and corporate social responsibility. It means partnering with our clients, customers, suppliers, communities and other organizations to enhance the environment, health and vitality of our communities for today and tomorrow."

Timeline Dashboard

Tabled or Discontinued Programs & Recommendations

Inspired by Sustainability Council

2000

An EVS faculty member (a geologist) is hired within the ATS/EVS department; this faculty member departs in 2004 and the line is not retained.

Energy Awareness Committee founded.

2008

Bike Task Force begins.

City of Omaha hires Sustainability Coordinator.

Sustainable Christmas Decoration Contest (ended after 2 years).

Downturn in economy reduces financial incentive for recycling.

Grant for shuttle/public safety building.

Johnson Controls is searching the campus for energy saving opportunities that can be incorporated into the proposed performance contract.

A city sponsored recycle dumpster was placed in the parking lot north of Cuming on 22nd Street.

2009

CSU starts program with Better World Books.

Staff member begins campaign to "ban the bottle".

Attempt to have farmer's market on campus.
Grant from NDEQ(Nebraska Department of Environmental Quality) for recycling.

2010

Attempt to create a campus-only Craigs-list type site.

Beginning of Recycling Advisory Committee.

Facilities Management and the GreenJays hosted a tire inflation event for campus constituents.

Attempts to develop a bike share program.
Sustainability part of strategic planning.

AdminFin Sustainability Group started.

2011

Discussion between Shuttle Services and MAT (now Metro) bus.

Transportation Master Plan.

Purchasing works with Pay LESS to deliver office supplies in reusable totes instead of cardboard boxes.

Long-term bike storage.

2012

Discussion of a video showcasing "WWJD" -- what would a Jesuit Do for sustainability.

Discussion regarding having a farm or similar, possibly at retreat center.

World Water Day celebrated.

Athletics recycling video. Requires an update to reflect current mascot.

Investigation of energy dashboard
Transportation Master Plan
Planning begins for prairie garden on campus.
Discussion of B-Cycle on campus with investment $38,500 per station.

First discussion with Verdis about pledge program.
Sustainability Student intern positions developed.

2013

Lennis Pederson signs off on hiring Verdis Group for sus. Pledge, etc funding up to $40K.

GreenJays "We Matter Walk" (2013-2015).

Recyclable insulated bags implemented but seldom used.

2nd year of OneShirt challenge (discontinued in 2016).

Badging program begins.

"Green Guide" developed by Brendle Group

2014

BlueLine Sustainability course developed.

Discussion of partnering with Boy and Girl Scouts to do projects/badges, etc.,.

2015

IRHG (Inter Residence Hall Government.) begins working with "WeCompost"

Thank you!