Let’s move the needle!

How to transform sustainability into measurable results

Sustainable Operations Workshop
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Agenda

• Sustainability Through History
• Actions Taken by Notre Dame
• Target and Actions
  – Procurement, Licensing, and Food Sourcing
• Case Studies
  – 30% recycled paper
  – Glove recycling program
  – Food waste to energy solution
Sustainability Through History

• Throughout its history the University of Notre Dame has embodied the traditional principles of sustainability as a Catholic university committed to remaining vital and strong for succeeding generations.
• The contemporary concept of environmental sustainability seeks a similar goal—the wise use of our natural resources to ensure their availability for future generations.
• Sustainability has its own inherent value: it equates a respectful stewardship of the environment with the faithful care of God’s creation.

• Comprehensive Sustainability Strategy link: https://green.nd.edu/assets/211749/sustainability_strategy.pdf
Actions Taken by Notre Dame

- Inspire and encourage environmental sustainability, both academically and administratively
- Energy conservation measures across facilities
- The design and construction of LEED-certified buildings
- The establishment of the Office of Sustainability
- The creation of an undergraduate minor in Sustainability
- The University has sought to advance sustainability on campus and abroad
We at Notre Dame can do more:

New Goals developed by Faculty, Administrators and Students:
1. respect for the human condition;
2. respect for the conservation of natural resources; and
3. economic viability.

University actions:
1. benefit people – not just the current generation or today’s community but future generations and future communities
2. must respect the planet’s inherent value and consider both immediate and long-term impacts on its resources.
3. consider the economic impacts of our actions to ensure the University’s financial health for decades to come.

Many of the recommendations suggest changes in attitude and practices. Many also require economic investments.
Targets and Actions

The Comprehensive Sustainability Strategy recommendations focus on the University’s continued actions and aspirations in seven areas:

Seven Small Working Groups:

A. Energy and Emissions
B. Water
C. Building and Construction
D. Waste
E. Procurement, Licensing, and Food Sourcing
F. Education, Research, and Community Outreach
G. Communications
E. Procurement, Licensing, and Food Sourcing

- There is an important connection between purchasing and sourcing decisions and enhancing sustainability.
- Each sourcing decision we make presents an opportunity to choose environmentally and socially preferable products and services and to support companies with strong commitments to sustainability.
- Pope Francis instructs that “a true ecological approach always becomes a social approach.”
- The University should ensure that its vendors align with University goals and values, including its commitment to sustainability.
- By thoughtfully using its purchasing power, the University has the ability to impact not only the growth of sustainability on campus but the greater growth of a sustainable economy.
- To make the most of this power, the University should incorporate more robust sustainability considerations in its purchasing and sourcing decisions.
Our Overall Strategies

1. Incorporate sustainability standards into formal strategic sourcing and licensing processes
2. Increase and encourage the purchase of more sustainable products by all University stakeholders
3. Create greater vendor/supplier partnerships that lead to more sustainable practices
4. Increase sustainability of food sources
5. Provide greater transparency of sustainable purchasing and licensing
1. **Incorporate sustainability standards into formal strategic sourcing and licensing processes**

**RFP Sustainability Clause:**

The University of Notre Dame strives to be a leader in sustainable operations, education and research, and a role model for responsible citizenship. Notre Dame recognizes its responsibility to conserve the natural environment while promoting long-term economic and social justice for all members of society and works to foster a pervasive focus on the connection between environmental stewardship and the Common Good.

Notre Dame’s Comprehensive Sustainability Strategy, [https://green.nd.edu/about-us/goals/](https://green.nd.edu/about-us/goals/), outlines institutional goals and benchmarks which serve as the foundation and guiding principles for increasing sustainability in all areas and all levels across the University.

Please provide a detailed narrative in support of these elements including documentation of policy and specific periodic updates detailing progress of your sustainable efforts and how those efforts apply to the products/services Notre Dame is requesting. Any sustainability/green certification programs in which the bidder is engaged or received recognition for achievement should be provided as well.
2. Increase and encourage the purchase of more sustainable products by all University stakeholders

3. Create greater vendor/supplier partnerships that lead to more sustainable practices

Accomplishments to date:

1. Custodial Products
   - Move to coreless TP and drop-down dispensers = significant reduction in waste
   - 33% savings in moving from fold towels to roll towels
   - Both in fiber use and packaging, and in product itself
   - Forest Stewardship Council Certification (takes into account whole life cycle process)
   - Spend has declined on these products, despite campus construction boom
2. Increase and encourage the purchase of **more sustainable products** by all University stakeholders

3. Create greater **vendor/supplier partnerships** that lead to more sustainable practices

**Accomplishment to date:**

2. **Furniture:**

- Last fiscal year, ND purchased 952,900 lbs of Steelcase furniture
- Of that, recycled content amounted to 569,100 lbs.
- 410,700 lbs. were diverted from landfills
- Furnish ND, Surplus Property, Recycle
2. Increase and encourage the purchase of more sustainable products by all University stakeholders

3. Create greater vendor/supplier partnerships that lead to more sustainable practices

Accomplishments to date:

3. Lighting:

- Complete conversion of incandescents to compact fluorescents
  ➢ 70% lower energy usage
- Conversion of site lighting from metal halide to LED
  ➢ 90% complete
  ➢ LEDs last up to 88% longer than MH
Let's move the needle!

Increase usage of 30% recycled paper:

- **The issues:**
  - There was a perception by the faculty and staff, that recycle paper was not a good option. Previous issues with jamming papers, bad quality, and poor performance of the paper made it difficult to introduce the recycle paper into the printing process.

- **Solution:**
  - Negotiate a competitive price for recycle paper which is $5.00 a case cheaper than regular paper.
  - Start slow: select one department “Human Resources” to use the recycle paper and monitor performance. Once results were successful, introduce the recycle paper to other departments.
  - Emailing users buying paper to promote recycled paper

- **Results:**
  - PrintND (students) transitioning to 30% recycled Boise paper from 0% recycled paper
  - Increase recycled content use by 77% in 2018 (680 cases of paper)
Welcome to the Notre Dame Office Supply Program. We Appreciate Your Business!


For Restricted items, please contact ND Procurement Services for additional information.

Preferred Copy Paper for Notre Dame

Notre Dame & Office Depot are pleased to announce a Boise multipurpose copy paper for your use. Boise has manufactured high quality paper for over 80 years. Boise respects the planet and works to limit environmental impact. The Boise Aspen paper has a 30% recycled content. This paper will also save you money. The price per case is $31.79. The current 30% recycled paper is item # 940650 at $36.03. The new preferred paper will save you $4.24 per case. Please see below for more details on the Boise paper.

Boise® Aspen® Multipurpose Paper, 8 1/2" x 11", 20 Lb, 30% Recycled, 500 Sheets Per Ream,

Case of 10 reams, Item # 116946, $31.79 per case

- 30% recycled content
- 92 brightness for crisp, clean text
- Acid free paper won't yellow or fade over time
- 20lb paper is ideal for everyday use
Office Depot – Offers Green Alternatives
“Green” options when available:

**Shop Cleaning**

- Ready To Ship
  - Yes (165)

- Cleaning Type
  - All-purpose cleaner (509)
  - Surface wipe (184)
  - Floor cleaner (112)
  - Glass cleaner (77)
  - Laundry detergent (71)

- Scent
  - Unscented (268)
  - Fruit (149)
  - Fresh (110)
  - Floral (78)
  - Mint (59)

- Cleaner Features
  - Disinfectant (154)
  - Removes stains (95)
  - Scented (161)
  - Antibacterial (58)
  - Unscented (55)

- Form
  - Liquid (188)
  - Spray (48)
  - Concentrate (32)
  - Aerosol (25)
  - Solid (4)

For access to additional sort options, please use one of the search or category filters on the left to narrow your search.

Item 140666
Lysol Disinfecting Wipes, Lemon/Lime Blossom, 7” x 8”, 80 Wipes Per Canister, Pack Of 3 Canisters

- Availability: 119
- Sold Online
- Made in USA
- Recycled content
- Safety Data Sheets

Price: $14.92 / pack

Item 538373
Clorox® Disinfecting Wipes, Fresh Scent, 75 Wipes Per Tub, Box Of 6 Tubs

- Availability: 212
- Sold Online
- Safety Data Sheets

Price: $29.24 / carton
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Expand glove recycling program

• The issues:
  – Notre Dame science labs are currently using rubber gloves in their programs.
  – Other departments are also using rubber gloves but at this time we are not recycling the used gloves.

• Solution:
  – Team up with Office Depot to create a sustainability position sponsored by them to hire an intern to work on this initiative.
  – Jordan Hall started recycling their rubber gloves with the support of this Office Depot Intern.
    • Allen Utterback

• Results:
  – We identified around 130 different locations that are using rubber gloves than can be candidate to start the recycling program.
  – Sustainability Office Depot intern is directly contact remaining science labs for glove program
  – Looking to partner and expand with food service
  – In FY 2017, over 1,700 pounds of gloves were saved from the landfill
Rubber glove recycling expansion:

- 4 tons of nitrile gloves currently used on campus, beyond Jordan
- Possibility of expanding to include to pipette tips and protective garments
- Messaging/posters to encourage glove recycling
- Opportunities: Stepan Hall, McCourtney Hall, Galvin Science Center, Harper Hall, Building Services, Food Services
  - Challenges: Personnel, cost of transporting waste
- Pilot of RightCycle in University of Illinois-Champaign’s main dining hall has achieved a diversion rate of 90%
Let's move the needle!

• **The Issues:** Over 1 ton of food waste a day is generated at our dining halls and center for culinary excellence alone. Food waste represents 10% of our overall waste stream.

• **Solution:** Grind2Energy technology will help us meet our 50% waste diversion goal we set to achieve by 2016. Opportunity to divert 399 tons/year. Potential avoidance of 275 tons of CO2e annually while generating renewable electricity (and NO flaring of methane!)
Onward to Sustainability
University of Notre Dame

95% of new construction space uses efficient, LED lighting
12 buildings are LEED certified which includes diverting 96% of construction project waste from landfills

At approximately 43,000 SF collectively, Duncan Student Center, Corbett Family Hall, & O’Neill are home to the largest green roof in the state of Indiana.

Over the past 5 years, irrigation water use has decreased by 244 million gallons per year.

In FY17, the ratio of trees planted to removed was 13:1

Small Working Group
28 faculty
22 staff
27 students

30 active members of the Sustainability Commissioner program
70 student volunteers

Sustainability Minor

Energy Carbon Footprint

- Geothermal well systems installed as part of our goal to reduce carbon emissions
- 1,303 total wells
- 2,500 tons of capacity

Cultivate

- 33% Fruit
- 14% Proteins
- 15.5% Starch
- 32% Vegetables

The goal is 50% recycled waste

In FY17:
- 40% recycled waste

The annual waste/person was 660 lbs.

Food Sourcing

- 28% local purchase
- 22% minority owned

This year, ND has saved 133 tons, 68% of Pre-Consumer Food Waste

Furnish ND

- 70 departments used FurnishND
- 215 pieces of furniture repurposed on campus
- $250,000 in savings to the University

Old Gold annually diverts over 76.3 tons of waste from the landfill.

LimeBike

- 22,431 number of student rides
- 2,940 cumulative saved gas consumption (gal)
- 72,700 cumulative riding distance (mi)

Solar Array

- 1.353 trees saved
- 22,548 gal of water saved
- 1,149,984 lbs of CO2 saved

100% of the stadium bench seating (equivalent to 577 acres) was repurposed.
THANK YOU

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