



INDIANA UNIVERSITY

**OFFICE OF THE VICE PROVOST
FOR UNDERGRADUATE EDUCATION**

Bloomington

SUSTAINABILITY INITIATIVES

SUSTAINABILITY

NAOMI KELLOGG

AMEE SANGANI

NATE MEYERS

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EXECUTIVE SUMMARY

- **Environmentally sustainable initiatives across campus better positions Indiana University Bloomington for cost savings and improved undergraduate student experiences:**
 - **Promote cost and water saving tray-less dining options**
 - **Create on-campus weekly farmers markets connecting local farmers and artisans to students, faculty, and staff**
 - **Improve Bicentennial campaign sustainability initiative transparency**



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TRAYLESS DINING

"Dining facilities on campuses take up to five times more water, five times more energy, five times more waste per square foot than the dorm," says Monica Zimmer, a spokeswoman for Sodexo, a food-service company that serves approximately 600 U.S. campuses."



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TRAYLESS DINING BENEFITS

- Reduction in water use
- Reduction in soap use
- Reducing food waste
- Reduction in labor for dishwashing
- Some studies currently looking at changes in students' diet if they don't use a tray

Source: New York Times



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POSSIBLE ISSUES

Some campuses have “run up against common infrastructural and cultural barriers — such as cafeteria washroom rollers that can't easily accommodate plates that aren't on trays, or campus residents who just can't get on board with a tray-free lunch.”

Source: New York Times



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CASE STUDY: UNIVERSITY OF ILLINOIS

After switching to Trayless Dining, the University was able to save:

- 4300 gallons of water per day
 - Over 925,000 gallons in an academic year (1.4 Olympic sized swimming pools)
- 4,000 pounds of dish detergent per year
- 3 tons of food waste per day
 - 4 smart cars worth of food



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OTHER EXAMPLES OF SUCCESS

- **Georgia Tech: Implemented Trayless Dining in Response to a Local Drought**
 - Estimated that the university saved 3,000 gallons of water per day
- **Rutgers: Went Trayless for 10 weeks**
 - Saved 30,000\$ in food costs and reduced food waste by 20%
- **American University: Removed Tray Use in Dining Halls**
 - 32% reduction in food waste, 27% reduction in dish use
 - Reduced food waste by 12,000 kg (26,455 pounds) per semester
- **Williams College: Eliminated Trays in One of Four Dining Halls**
 - Saving 14,000 gallons of water annually



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WHY IU SHOULD IMPLEMENT?

- Establishes IU as a school that cares about water consumption and other environmental factors
- Saves the University Money
- Cuts down on Waste
- May positively impact student health 

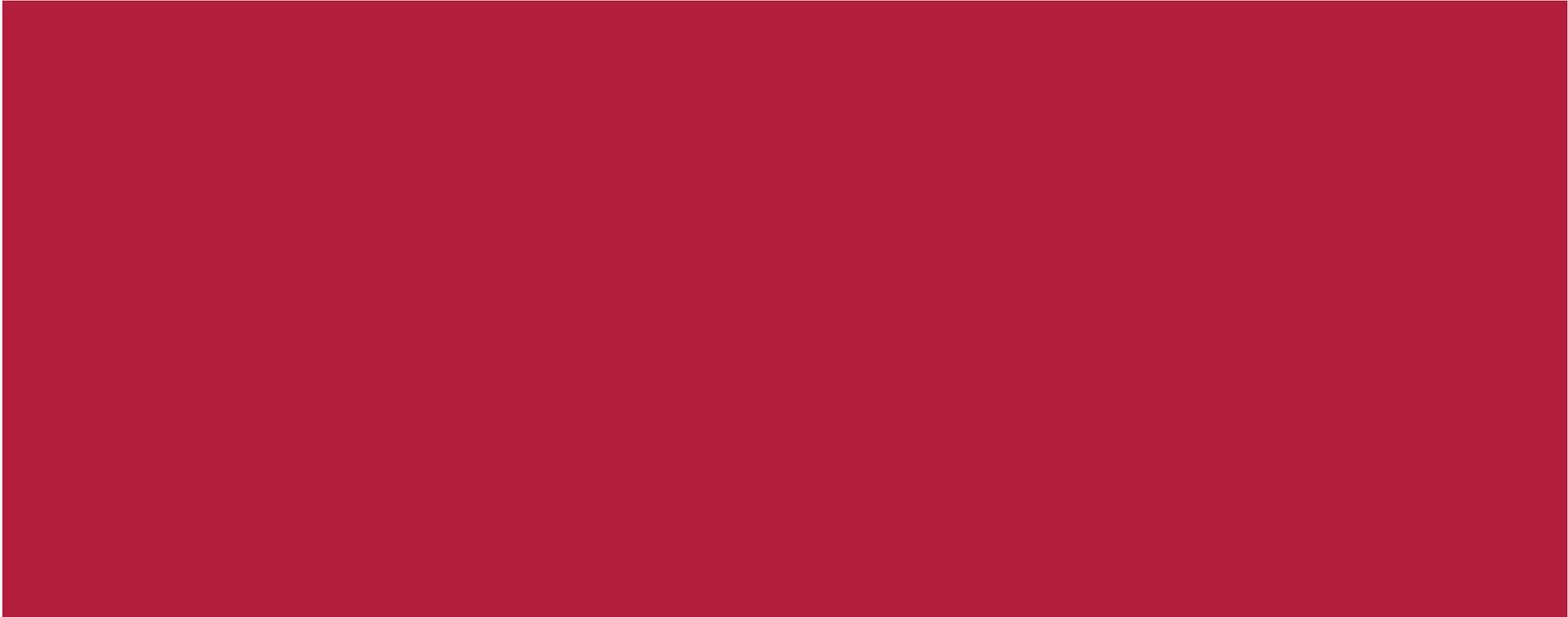
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ON-CAMPUS FARMERS MARKET



ON-CAMPUS FARMER'S MARKET

- Weekly event to allow Bloomington vendors to sell home-grown food to students
- Expansion of current Big Red Eats Green Program on campus
- Takes place on campus in high-traffic areas
- Execution in coordination with Bloomington Farmer's Market



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BIG RED EATS GREEN

- Single-day annual event that takes place at IU Art Museum
- Local restaurants and growers participated
- Musical entertainment, faculty speakers, student organization involvement
- Hosted by Office of Sustainability

Was a success but can be expanded

LOGISTICS OF CONSISTENT FARMER'S MARKET

- Location in high-traffic area
 - Dunn Meadow, Showalter Fountain, Tailgating fields
- Possible necessity for funding
- Some sort of liability or insurance for the vendors
- Avoid conflict with Bloomington Farmer's Market

BENEFITS OF ON-CAMPUS FARMERS MARKET

- In concordance with sustainability efforts here on campus
 - Bicentennial Campaign
- Increased revenue for local farmers/vendors
- Integration within Bloomington community
- Weekly execution builds consistent consumer base

PURDUE UNIVERSITY

- Every Thursday from May-October
- Works in conjunction with the Office of Sustainability and local farmer's market
 - Vendors can choose campus farmer's market as preferred location
- Involves student organizations to participate

ADDITIONAL UNIVERSITIES

- University of Michigan
 - **Lunch Vendors**
 - **Rotating location**
- Princeton University
 - **Organizing team consisting of undergraduate and graduate students**
- University of Maryland
 - **Direct work with local farmer's market**



BICENTENNIAL SUSTAINABILITY

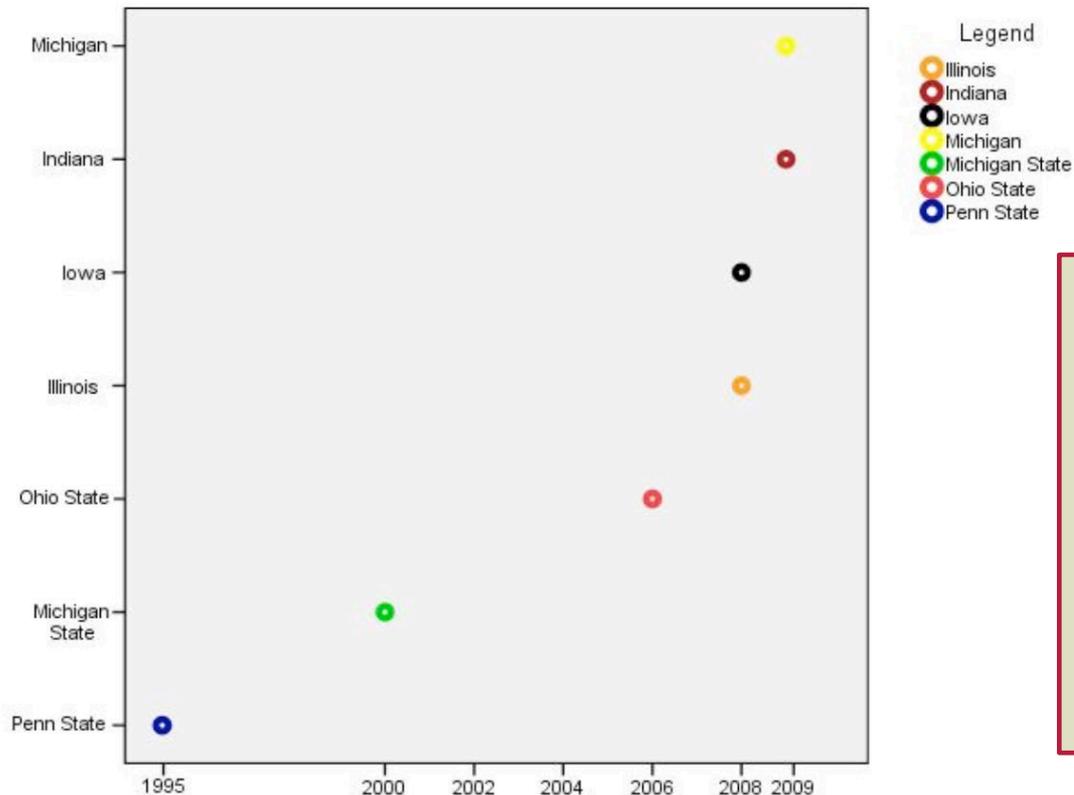


CURRENT STATUS OF BICENTENNIAL SUSTAINABILITY INITIATIVES

Indiana University has positioned itself as an environmental **leader in the Big Ten** through having the largest number of LEED certified building within the conference and outlining 20 ambitious sustainability goals by 2020

As of November 15th, 2016 – over \$1.575 billion has been raised toward the \$2.5 billion dollar target by 2020

ENVIRONMENTAL LEADERSHIP EVEN MORE IMPRESSIVE GIVEN LATE INTRODUCTION OF THE OFFICE OF SUSTAINABILITY



- Key Takeaways:
- 1) Other Big Ten Universities had first mover advantage
 - 2) Indiana University has made significant progress in the last decade

Source: University of Michigan

BICENTENNIAL SUSTAINABILITY INITIATIVE GOALS

1. Completing and implementing pedestrian, transportation, and bicycle sub-master plans on each campus.
2. Certifying all major new buildings with LEED Green Building Certification System and elevate the minimum certification level to Gold.
3. Continuing to explore and research a variety of energy and utility supply and delivery options that reflect changes in economies, demand, and climate variables
4. Achieving the goals for energy efficiency and emissions reductions called for in the Campus Master Plan and Integrated Energy Master Plan for the IU Bloomington campus; expand that analysis to all campuses

REQUEST BY OVPUE STUDENT ADVISORY BOARD

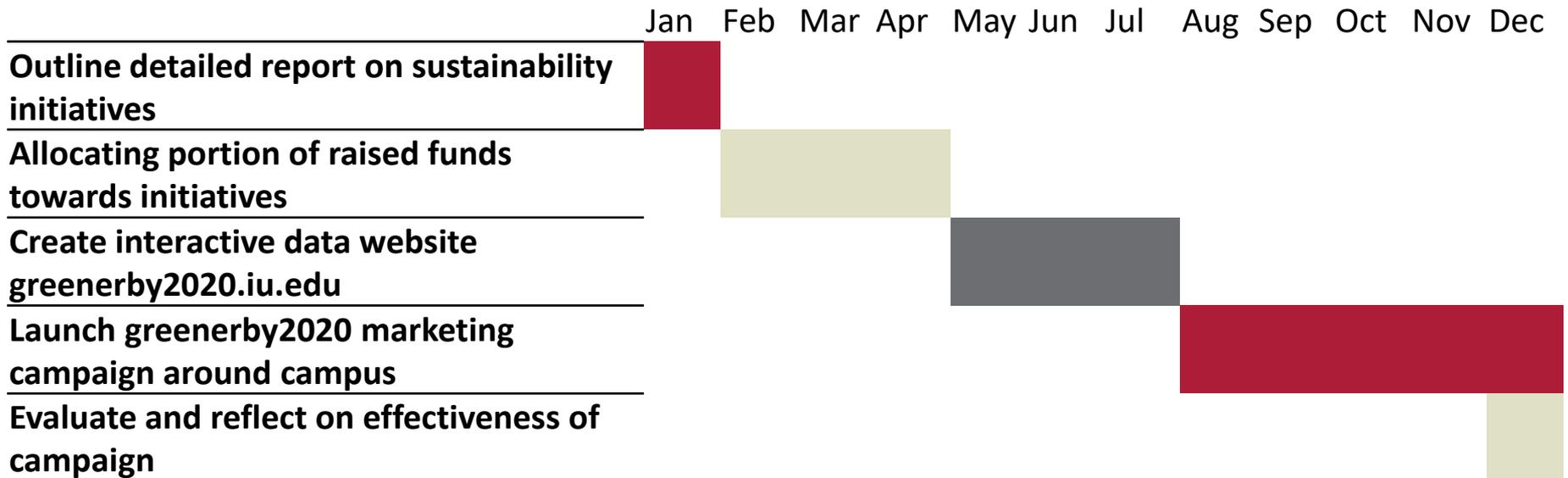
Increase the transparency of how the Bicentennial Campaign funding will be allocated towards

Encourage timely spending on sustainability initiatives to reap years of benefits before 2020

BENEFITS OF TRANSPARENCY AND TIMELY INVESTMENTS

- Better engage perspective and current students with interactive data on reductions in carbon footprint of Indiana University, rank amongst other comparable universities, and measurable improvements over the last decade
- Better compel environmentally-conscious donors to make a contribution to the Bicentennial Campaign
- Empower environmentally minded student organizations to incorporate bicentennial goals within their yearly strategic plans

RECOMMENDED IMPLEMENTATION SCHEDULE



QUESTIONS?

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