

An aerial photograph of a university campus, showing a dense collection of buildings, trees, and a large clock tower on the left. A white rectangular box is overlaid on the right side of the image, containing text.

INDIANA UNIVERSITY CLIMATE ACTION PLAN

IU CAP Committee Meeting

November 15, 2022

FOR IU CAP COMMITTEE USE ONLY



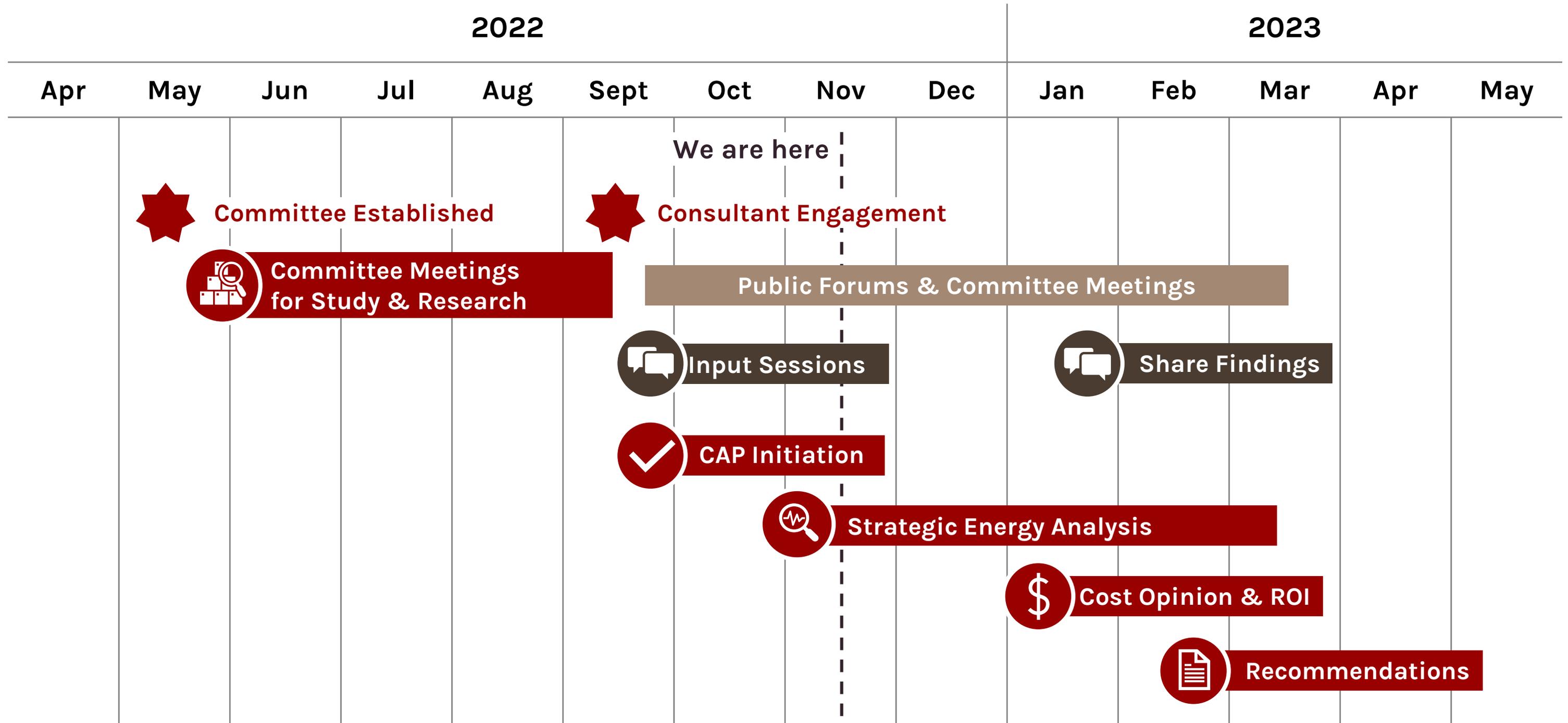
AGENDA

Public Forum Sessions

Peer Benchmarking

Building a Framework

PROJECT SCHEDULE



PUBLIC FORUM SESSIONS

INDIANA UNIVERSITY CLIMATE ACTION PLAN
FALL 2022

PUBLIC FORUMS

Trip #1: Gary, Indianapolis, Kokomo

Date	Campus	Forum #	Event
September 27	IUN	1	Public Forum #1 + IUN Campus Tour
September 28	IUPUI	2	Public Forum #2 + IUPUI Campus Tour
	IUK	3	Public Forum #3 + IUK Campus Tour

Trip #2: Indianapolis, South Bend

October 11	IUPUI		Committee Meeting
October 12	IUSB	4	Public Forum #4 + IUSB Campus Tour

Trip #3: New Albany, Bloomington, Indianapolis

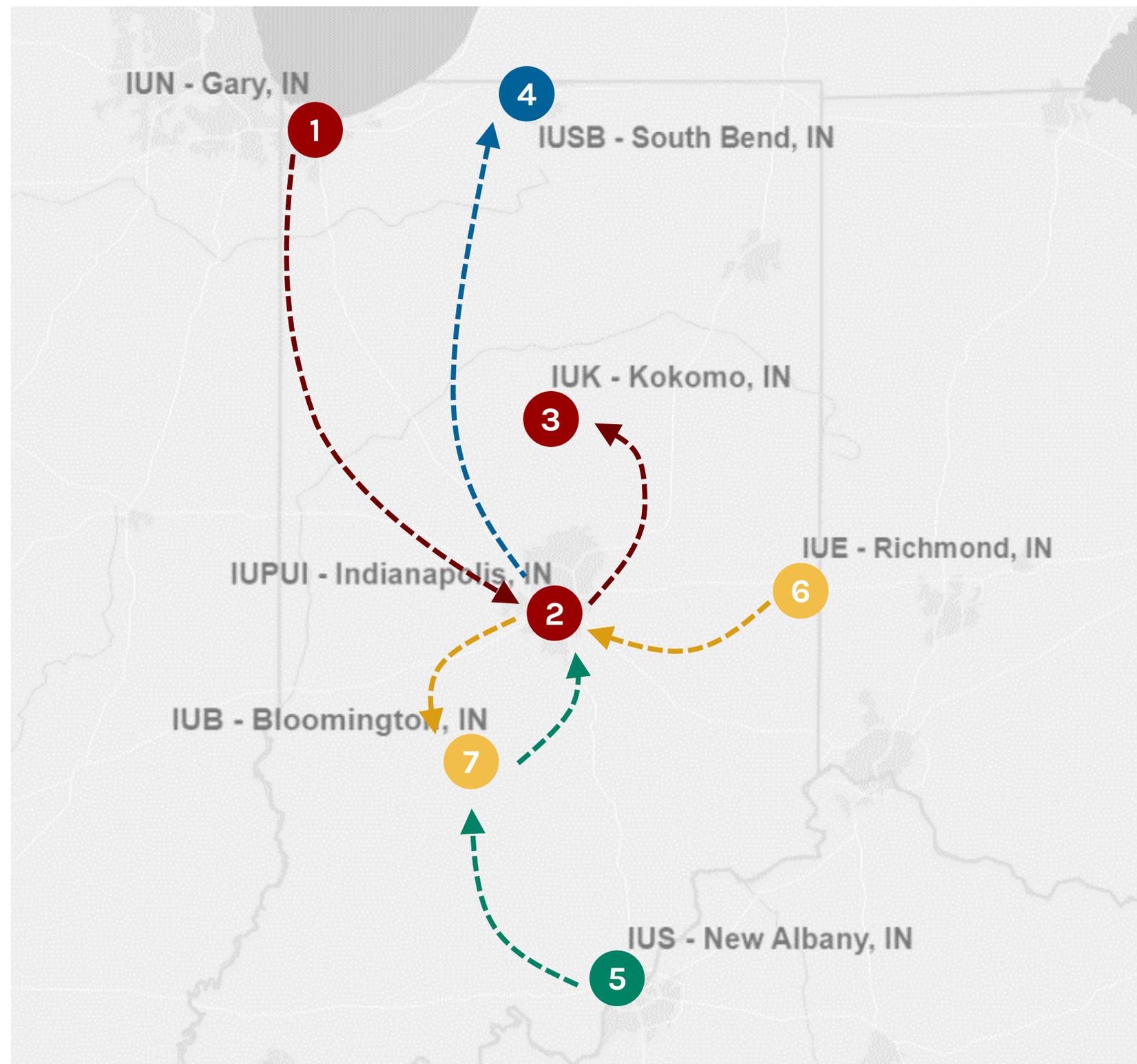
October 25	IUS	5	Public Forum #5 + IUS Campus Tour
October 26	IUB		IUB Campus Tour
	IUPUI		Committee Meeting

Virtual Session

November 3	All	Zoom	Virtual Forum Session
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Trip #4: Richmond, Indianapolis, Bloomington

November 15	IUE	6	Public Forum #6 + IUE Campus Tour
	IUPUI		Committee Meeting
November 16	IUB	7	Public Forum #7



ENGAGEMENT BY THE NUMBERS

PUBLIC FORUMS (IN-PERSON AND VIRTUAL)

IU-East
(Nov. 15)

IU-Bloomington
(Nov. 16)

IU-Northwest

18

participants

24 examples of
current IU actions

43 potential
Opportunities
identified

27 potential
Challenges
identified

IUPUI

47

participants

29 examples of
current IU actions

16 potential
Opportunities
identified

13 potential
Challenges
identified

IU-Kokomo

23

participants

11 examples of
current IU actions

33 potential
Opportunities
identified

27 potential
Challenges
identified

IU-South Bend

10

participants

10 examples of
current IU actions

20 potential
Opportunities
identified

12 potential
Challenges
identified

IU-Southeast

11

participants

11 examples of
current IU actions

27 potential
Opportunities
identified

15 potential
Challenges
identified

Virtual

70

participants

23 of Q&A

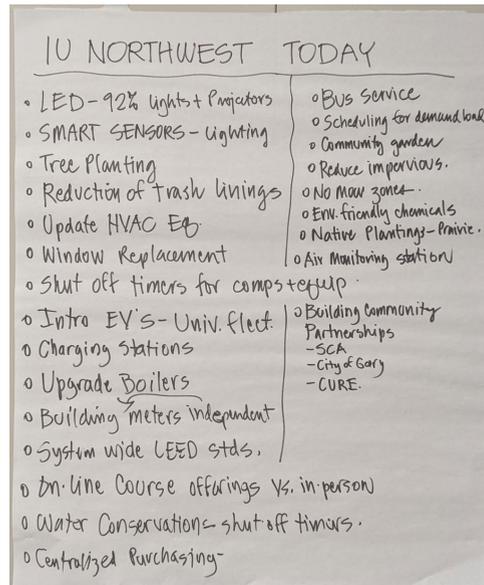
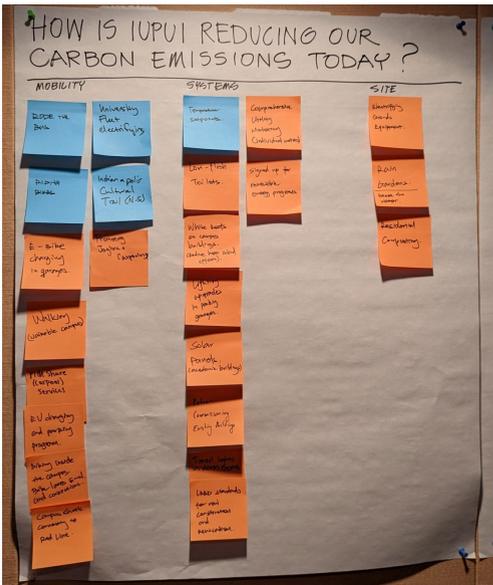
36 potential
Opportunities
identified

16 potential
Challenges
identified

KEY THEMES

CURRENT IU ACTIONS

7 main categories of current IU actions implemented or in the planning identified by public forum participants

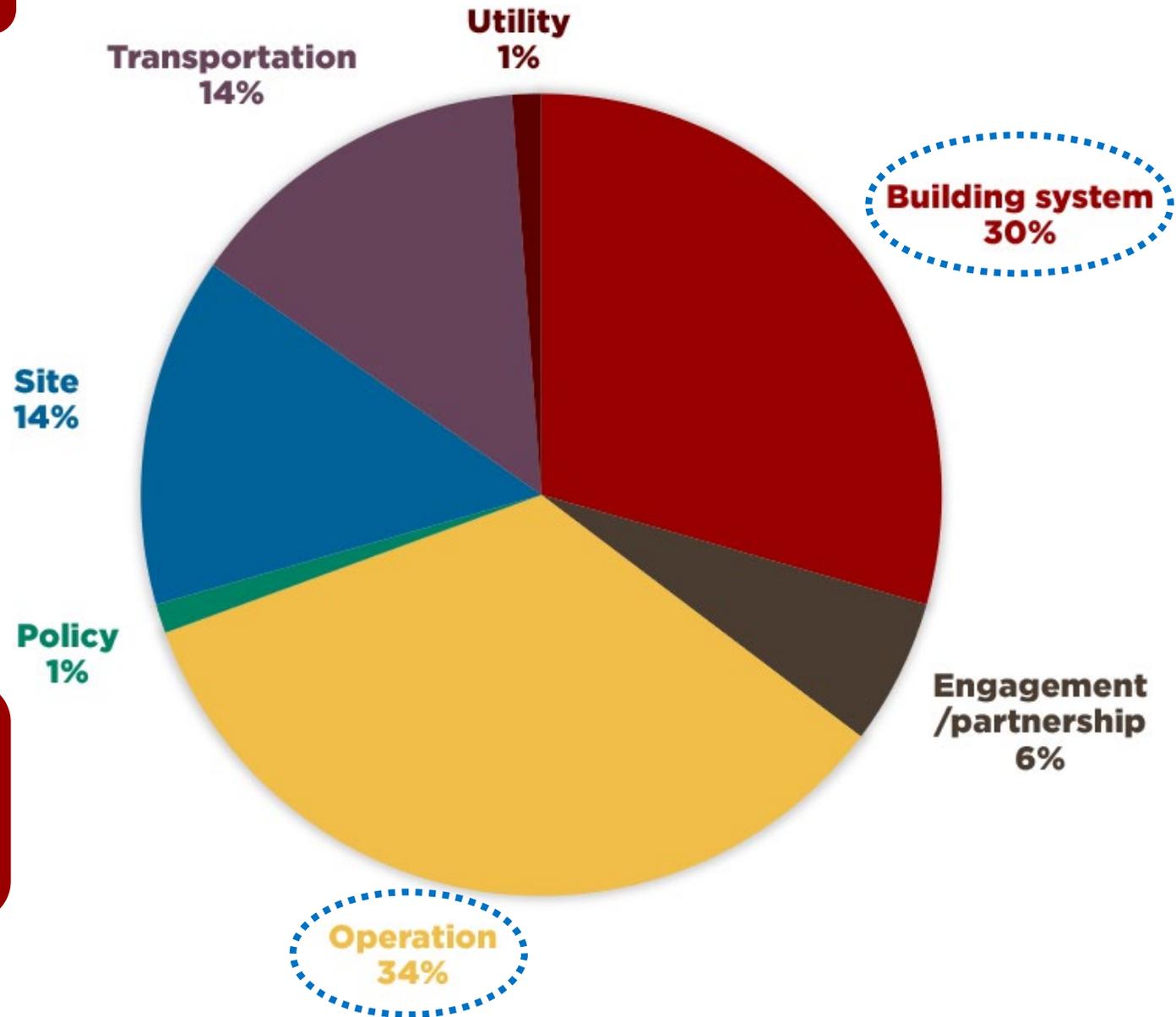


Update HVAC equipment

Shut-off timers & occupancy sensors for campus, lighting, & equipment

Electrifying University fleet and grounds equipment

LEED Standards for new construction & renovation



KEY THEMES

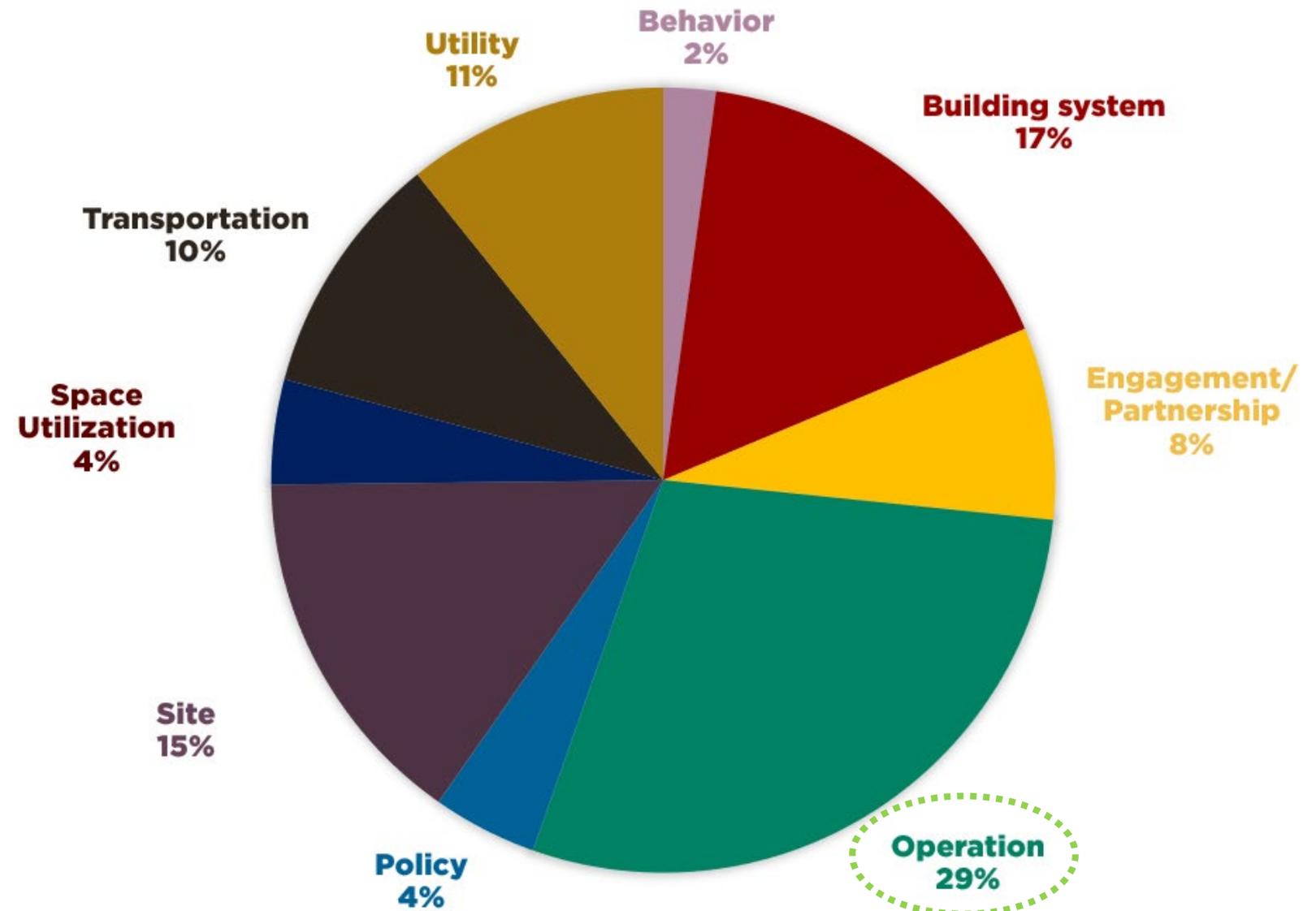
POTENTIAL OPPORTUNITIES

9 categories of potential opportunities identified by public forum participants

Regulate temperature set points in buildings

Examine class scheduling

Explore opportunities for renewable energy



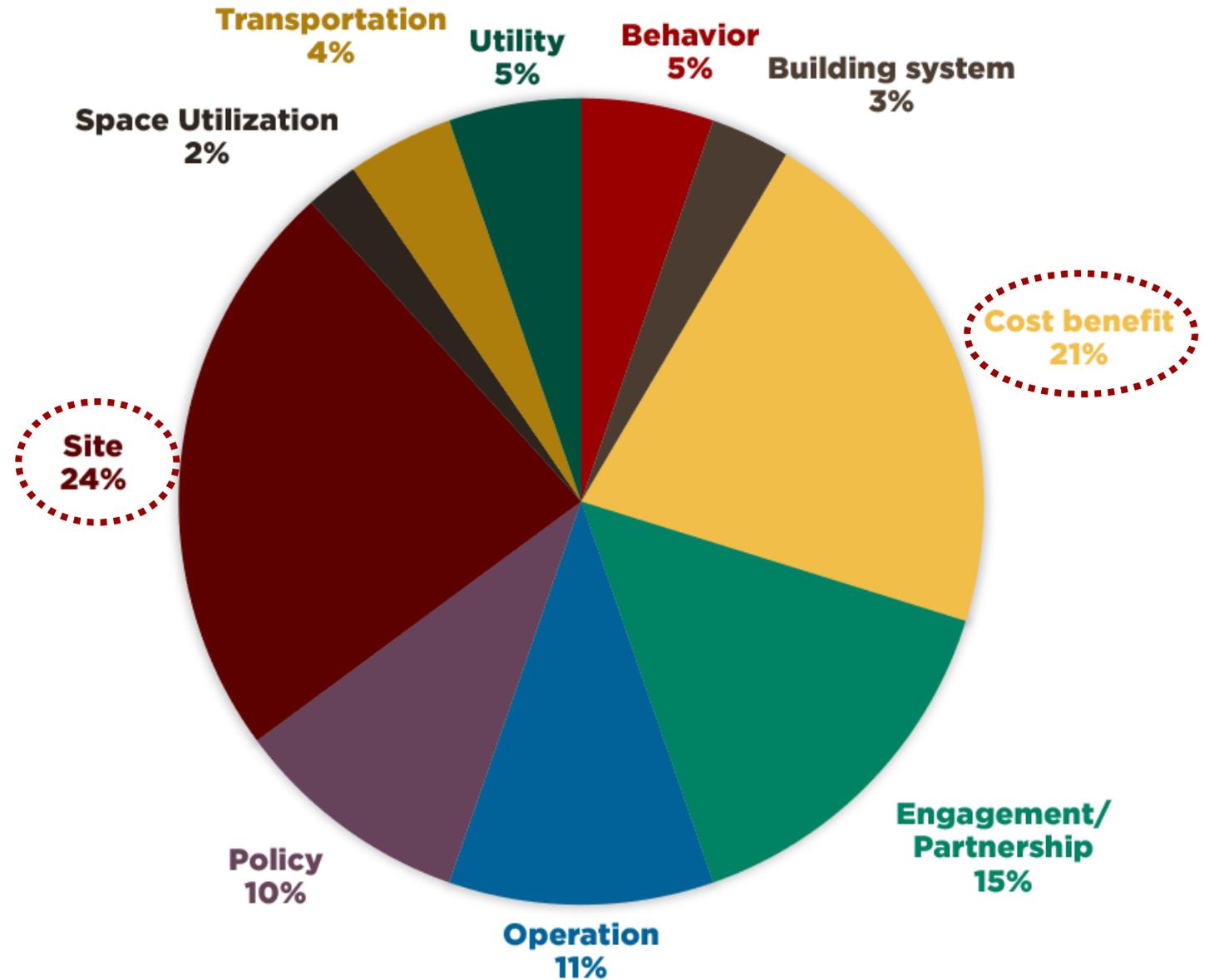
KEY THEMES

POTENTIAL CHALLENGES

10 categories of potential challenges identified by public forum participants

Balancing sustainability with affordability

Existing regulatory environment



PEER INSTITUTION BENCHMARKING

INDIANA UNIVERSITY CLIMATE ACTION PLAN
FALL 2022

CLIMATE ACTION PLAN BENCHMARKING

INDIANA UNIVERSITY PEER INSTITUTIONS

Analyzing Climate Action Plans, initiatives, and reporting of Indiana University peer institutions to understand:

- Common and diverging themes and areas of focus
- Climate Action Plan process (analysis, engagement, forecasting, plan updates)
- Implementation strategies and phasing

CLIMATE ACTION PLAN

RUTGERS
Office of the President
TASK FORCE ON CARBON NEUTRALITY AND CLIMATE RESILIENCE

June 2021

The cover features a red header with the title, a central collage of photos showing people in meetings, and a large red block at the bottom. The Rutgers logo and task force name are at the bottom.

PRESIDENT'S COMMISSION ON CARBON NEUTRALITY
UNIVERSITY OF MICHIGAN

Final Report & Recommendations
March 2021

The cover features a blue header with a large yellow 'M' logo, a central collage of icons representing various sustainability topics, and the title in bold text.

PennState

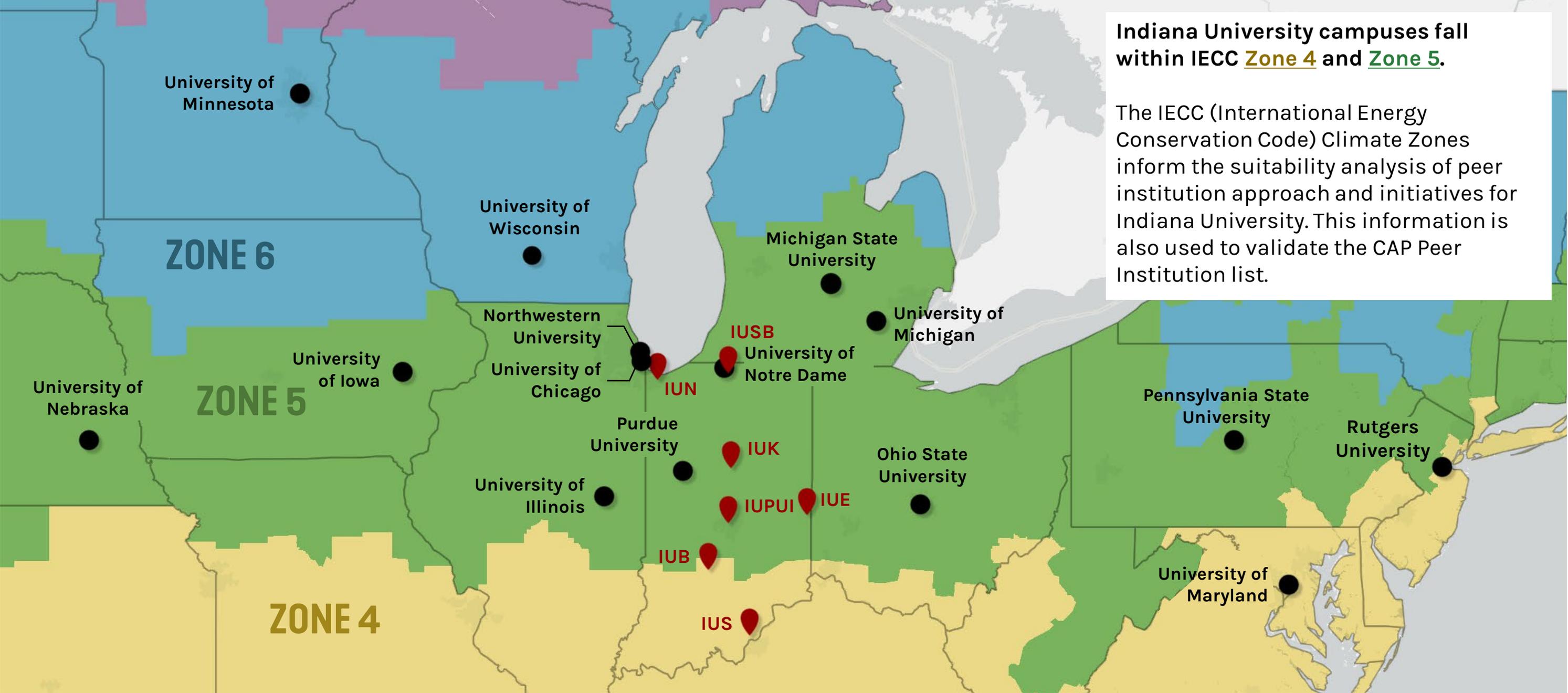
For the Future
REPORT FROM THE PRESIDENT'S CARBON MISSIONS REDUCTION TASK FORCE
DECEMBER 2021

The cover features a dark blue header with the Penn State logo, a central collage of photos showing campus scenes and buildings, and the title in white text.

Source: Rutgers, University of Michigan, and Penn State. All reports and information publicly-available.

CLIMATE ACTION PLAN BENCHMARKING

UNDERSTANDING PEER INSTITUTION IECC CLIMATE ZONES



BUILDING A FRAMEWORK

Energy Efficiency & Upgrades	Programming & Operations	Campus Systems (Larger Lift)	Vehicle Fleet (Medium Lift)	Learning, Research, Participation, and Innovation	Funding Strategies
<p>Student Dorm Shower Head Replacements</p> <p>Lavatory Aerator Replacement</p> <p>Refrigeration Monitoring</p> <p>(Commercial kitchen and Industrial)</p> <p>SmartPlug Strips with Motion Sensors to power Monitors</p> <p>Laptops in lieu of Desktops</p> <p>Fume Sash Closers</p>	<p>Space Utilization</p> <p>Informed Class Scheduling – Tighter “open hours”</p> <p>Thermostat Setpoint Adjustments (Cautiously)</p>	<p>Heat Recovery Retrofits</p> <ul style="list-style-type: none"> • Air-to-Air • DHW – CHWR • WasteWater Heat Recovery <p>Heat Pump Conversions (Including Dual-Fuel)</p> <p>District Energy Cluster Conversions</p> <p>Solar-Battery Microgrids – Non-exporting</p> <p>BioGas & Solar Procurement via utilities</p>	<p>Encourage carpooling, transit, biking, and walking</p> <p>Replace eligible internal combustion engine vehicles with electric vehicles (buses, trucks, vehicles, maintenance equipment including landscape services)</p> <p>Electric Vehicle Charging (Fleet)</p>	<p>Establishment of a Student-Run Sustainability Fund for EEM Projects</p> <p>Seed Money; Revolving-funding through savings</p> <p>Student Run Energy Audits</p> <p>IR Themography, Blower door Tests, etc.</p> <p>Energy Dashboards</p>	<p>To Be Discussed in Future Meetings</p>

