INDIANA UNIVERSITY CLIMATE ACTION PLAN IU CAP Committee Meeting October 11, 2022 FOR IU CAP COMMITTEE USE ONLY







AGENDA

Public Forum Sessions

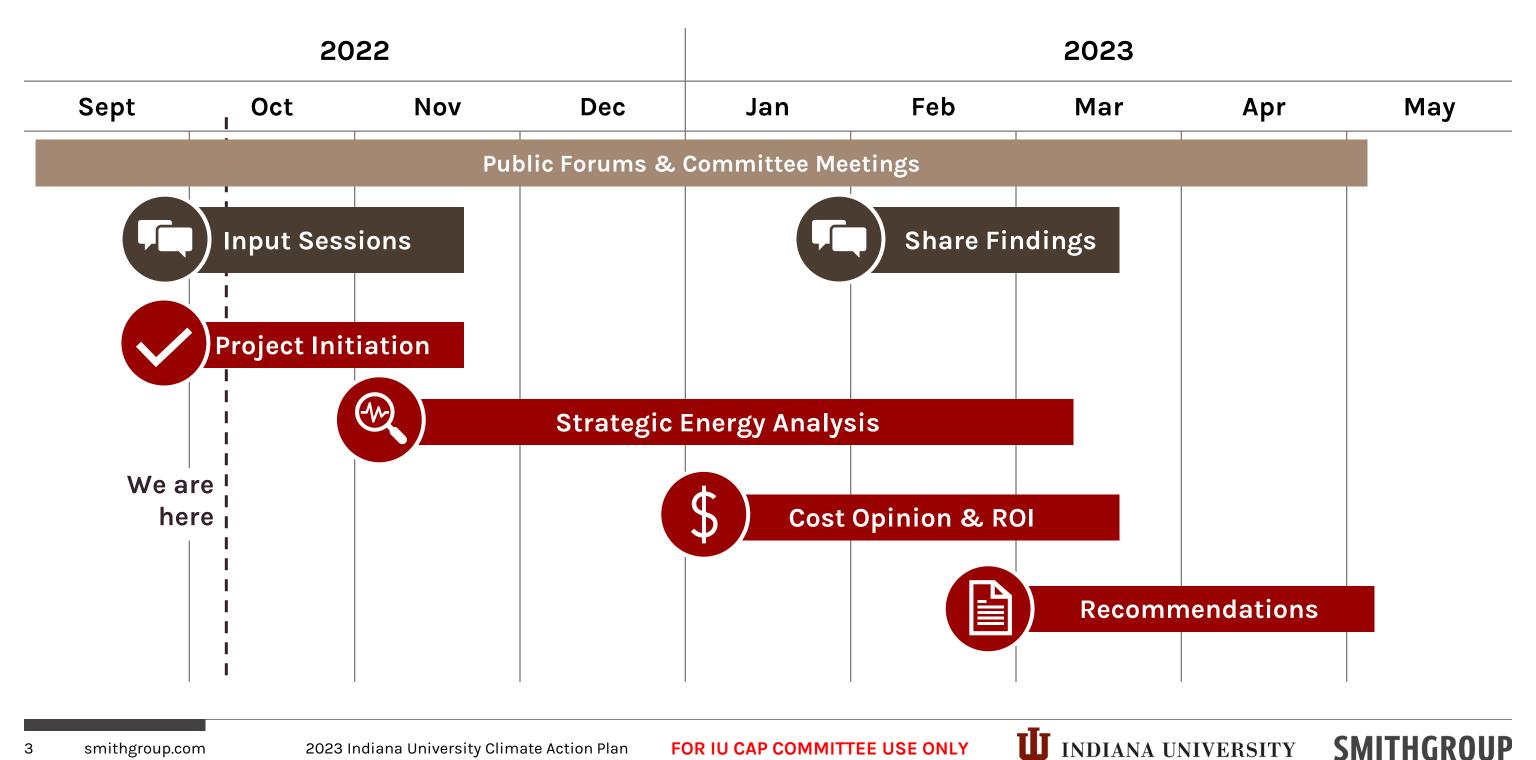
- Recap first round of Public Forum sessions
- Review format of sessions and how sessions changed
- Start to highlight input received thus far

Data & Information

Highlight work underway and next steps



PROJECT SCHEDULE



PUBLIC FORUMS

Trip #1: Gary, Indianapolis, Kokomo

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

Trip #2: Indianapolis, South Bend

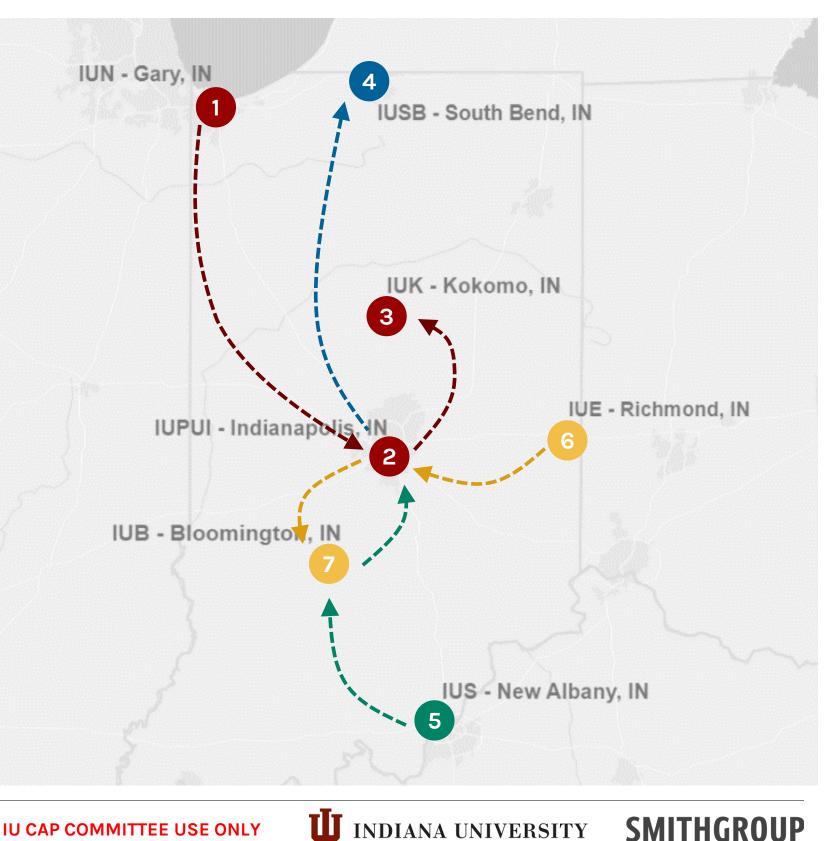
Date	Campus	Forum #	Event
October 11	IUPUI		Committee Meeting
October 12	IUSB	4	Public Forum #4 + IUSB Campus Tour

Trip #3: New Albany, Bloomington, Indianapolis

Date	Campus	Forum #	Event	
October 25	IUS	5	Public Forum #5 + IUS Campus Tour	
Ostakan 20	IUB		IUB Campus Tour	
October 26	IUPUI		Committee Meeting	

Trip #3: Richmond, Indianapolis, Bloomington

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



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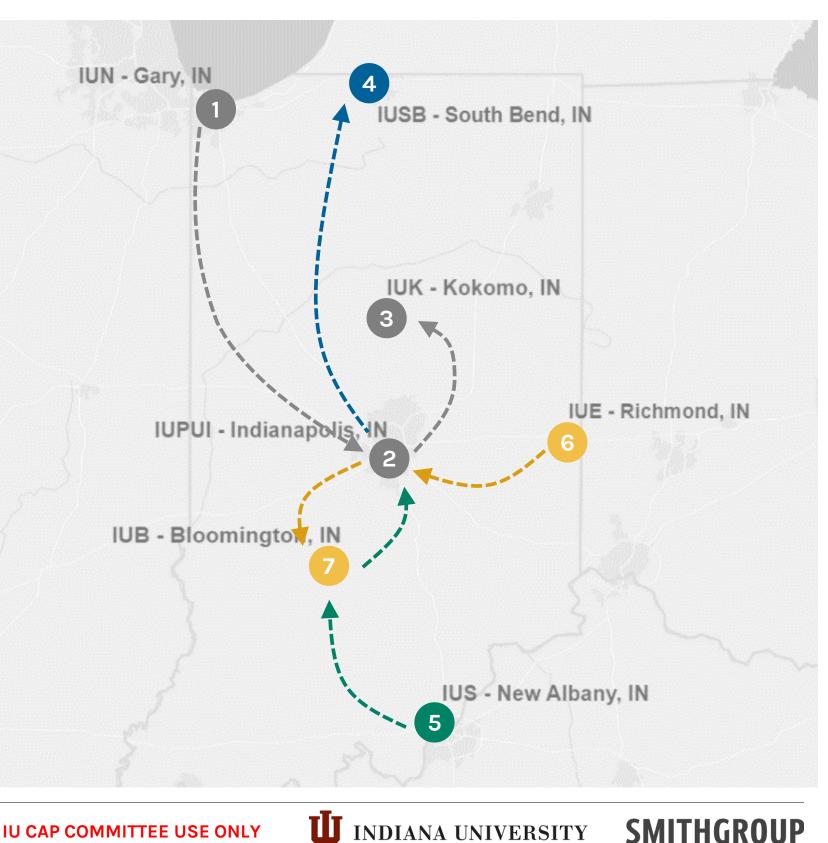
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PUBLIC FORUM PURPOSE & OBJECTIVES

SESSION OVERVIEW

SESSION PURPOSE:

Kick-off the Indiana University Climate Action Plan by sharing process and approach and seeking in put to develop a shared direction for the opportunities and goals of the plan.

SESSION OBJECTIVES:

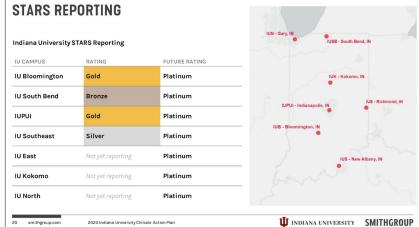
- Introduce Indiana University Climate Action Planning staff & committee and SmithGroup
- Provide overview of project scope, approach, and planning process
- Review initial project goals, previous / current Indiana University initiatives
- Request input on priorities regarding topics such as climate change, energy use, and prioritization
- Engage in activities aimed at framing a future vision for the Indiana University Climate Action Plan



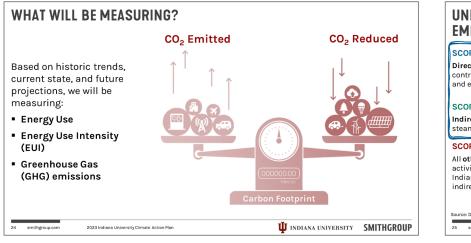
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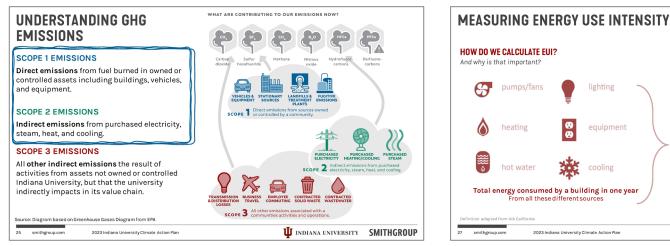
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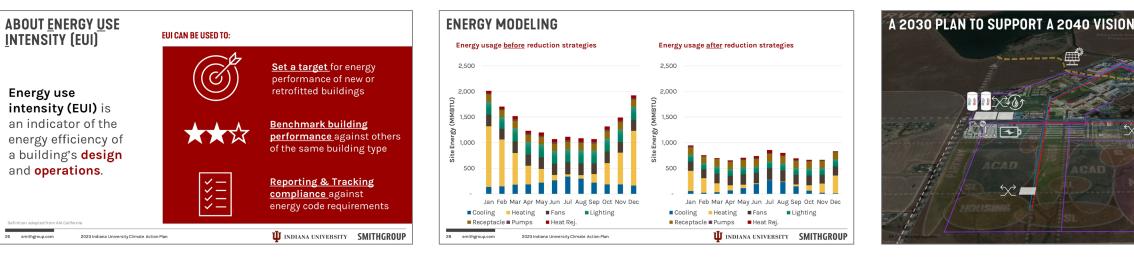




WHAT DO WE MEAN BY CA	RBON NEU1	RALITY?	
		CARBON NEUTRALITY	NET-ZERO EMISSIONS
Indiana University has set a target for carbon neutrality by	Definition	Reduces carbon emissions and balances remaining emissions	Pertains to all Greenhouse Gases (GHG)
2040. But what does this	Emission Types	Scopes 1 & 2 (Scope 3 is optional)	Scopes 1, 2, & 3
mean?	Typical Application	Institution, company, or product	Global, national, state, community, institution, or company
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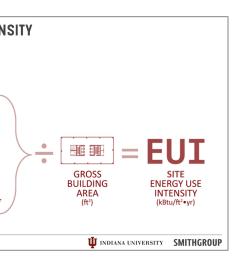
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2023 Indiana University Climate Action Pla

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2023 Indiana University Climate Action Plan

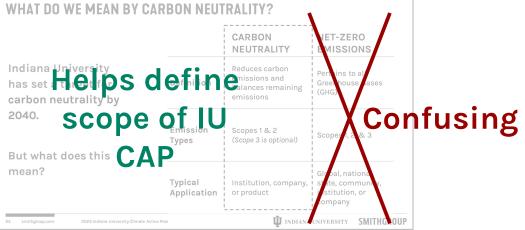
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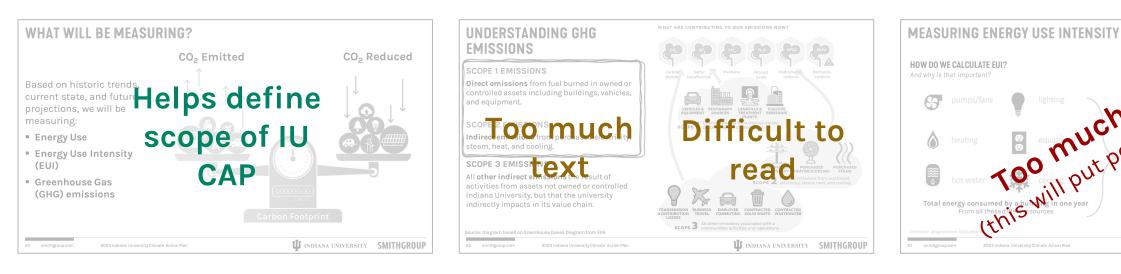


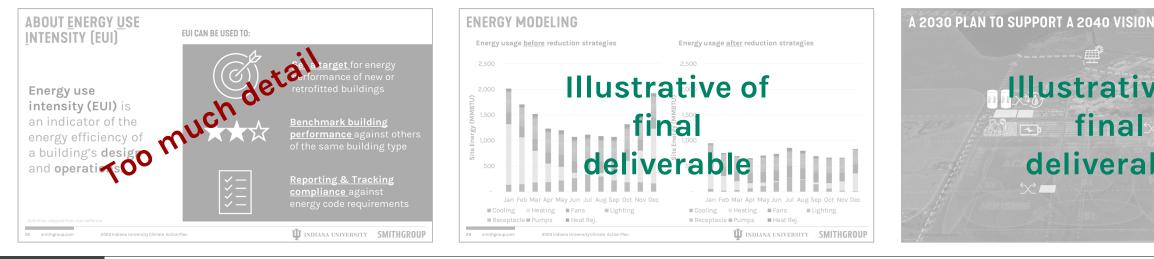


STARS REPORTING	AN OVERVIEW OF S	TARS RATING CATEGORIES
	Category	Topics
WHAT IS STARS?	Academics	Curriculum Research
"The Sustainability Tracking, Assessment & Rating System (STARS) is a transparate telp1 self-reporting framework for colleges and universities to measure their sustainability of to 2000		Air & Climate Buildings Energy Food & Dining Grounds Purchasing Transportation Waste Wate
measure their sustain context performance."	Engagement	Campus Engagement Public Engagement
proje	Planning & Administration	Coordination & Planning Diversity & Affordability Investment & Finance Wellbeing & Work
tanta i ange i ang	Innovation & Leadership	Exemplary Practice Innovation
Source: About STARS		
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STARS REP	UNING			
ndiana University S	TARS Reporting		IUN - Gary, IN	USB - South Bend, IN
U CAMPUS	RATING	FUTURE RATING		
U Bloomington	Gold	Platinum		IUK - Kokomo, IN
IU South Bend	Bronze CC	onfusi	ng or	IUE - Richmond, IN
IUPUI	Gold	Platinum		OIIS, IN
IU Southeast	Silver	nislea	ding	•
IU East		Platinum	Y	IUS - New Albany, IN
IU Kokomo		Platinum		
IU North		Platinum		
			-1-	UNIVERSITY SMITHGRO







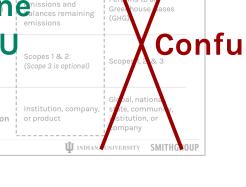


2023 Indiana University Climate Action Plan

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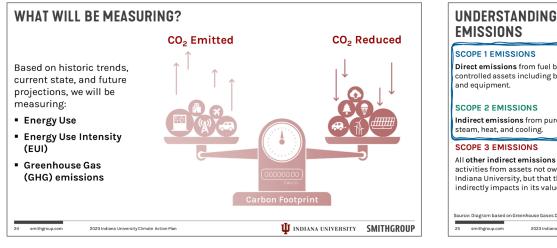


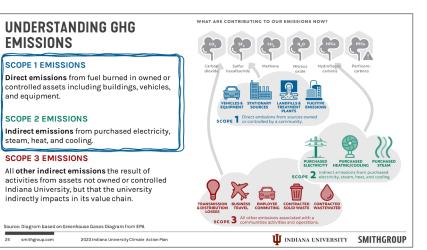


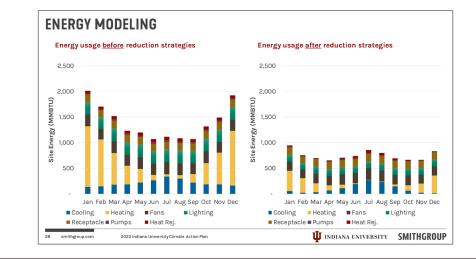


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Source: About STARS	Innovation & Leadership	Exemplary Practice Innovation
18 smithgroup.com 2023 Indiana University Climate Action Plan	TT .	INDIANA UNIVERSITY SMITHG

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2023 Indiana University Climate Action Plan

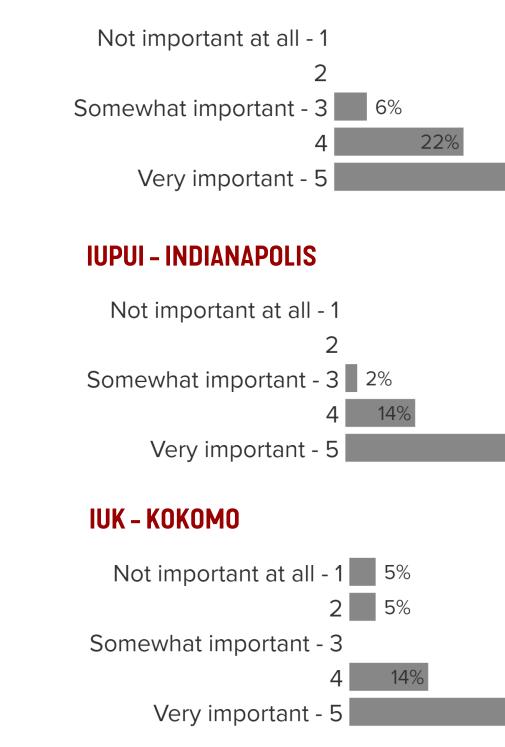
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SURVEY QUESTIONS

COMPARING INPUT

On a scale of 1-5, how important do you think the topic of climate change is to our present and future?

IUN - GARY





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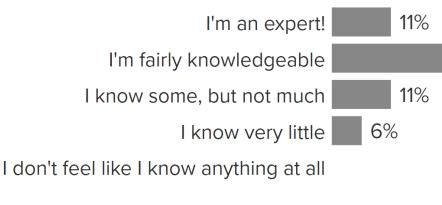




SURVEY QUESTIONS

COMPARING INPUT

IUN - GARY



IUPUI - INDIANAPOLIS

5%	I'm an expert!	
	I'm fairly knowledgeable	
	I know some, but not much	
	I know very little	
	I don't feel like I know anything at all	

IUK – KOKOMO

I'm an expert!	
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INDIANA UNIVERSITY SMITHGROUP









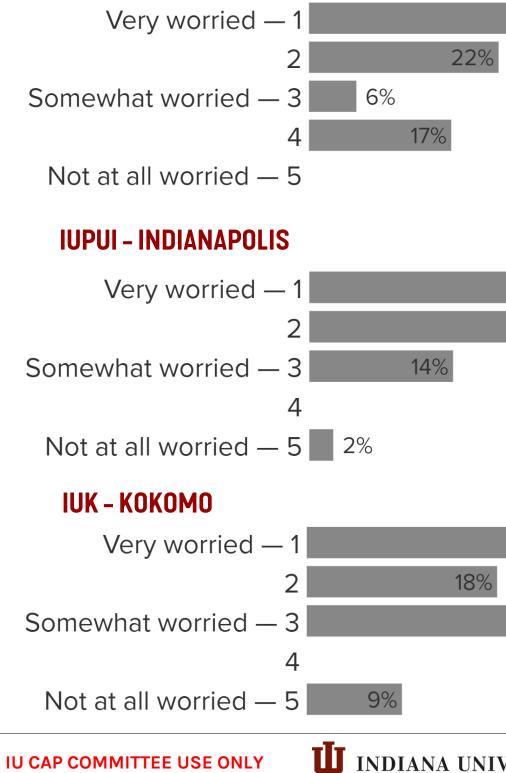


SURVEY QUESTIONS

COMPARING INPUT

On a scale of 1-5, how worried you are about your future with regard to climate change?

IUN - GARY



INDIANA UNIVERSITY SMITHGROUP







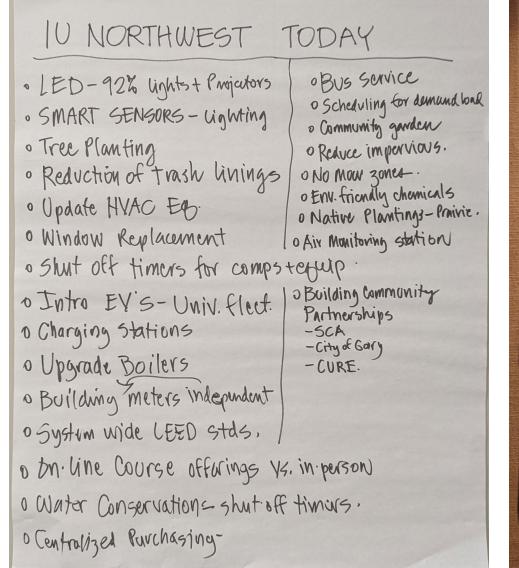


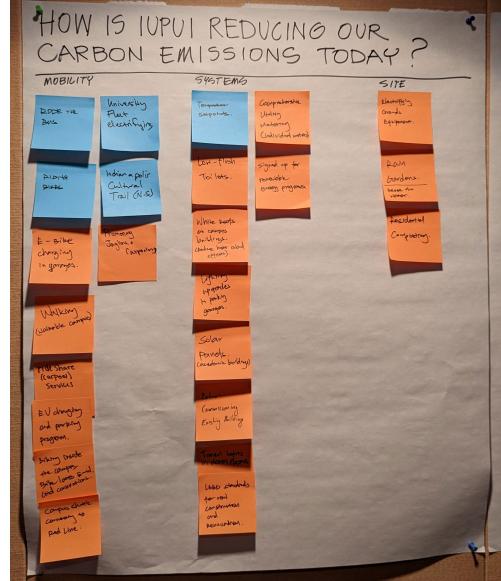
45%



WHAT ARE YOU DOING TODAY?

PUBLIC FORUM INPUT QUESTIONS





IUPUI - INDIANAPOLIS



IUN – GARY

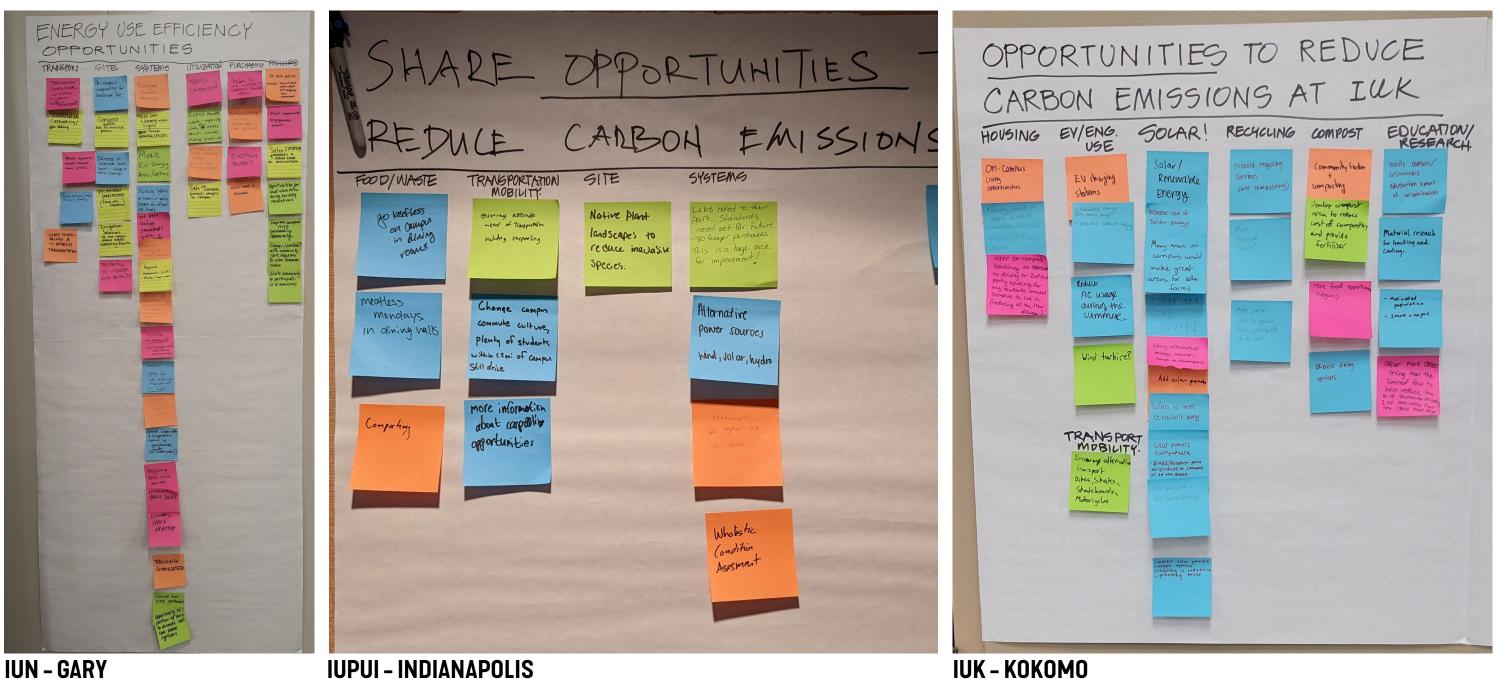
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HOW IS ILL KOKOMO REDUCING CARBON EMISSIONS TODAY?

CAR POOLING (SELF-ORGANTED) VIRTUAL LEARNING HYBRID CARS + SOME EVS PLANT TREES ON CAMPUS (2X/YEAR) STUDENT SUGTAINABILITY COUNCIL + PARTNERSHIP W/OFFICE OF SUSTAINABILITY FOR INITIATIVES PUBLIC TRANSPORTATION COMPOSTABLE UTENSILS . REDUCING AMAT. OF MEAT + RED MEAT EATEN (NEED MORE OPTIONS) LIGHT OCCUPANCY SENSORS PUSHING FOR RECYCLING NOT HAVING KIDS

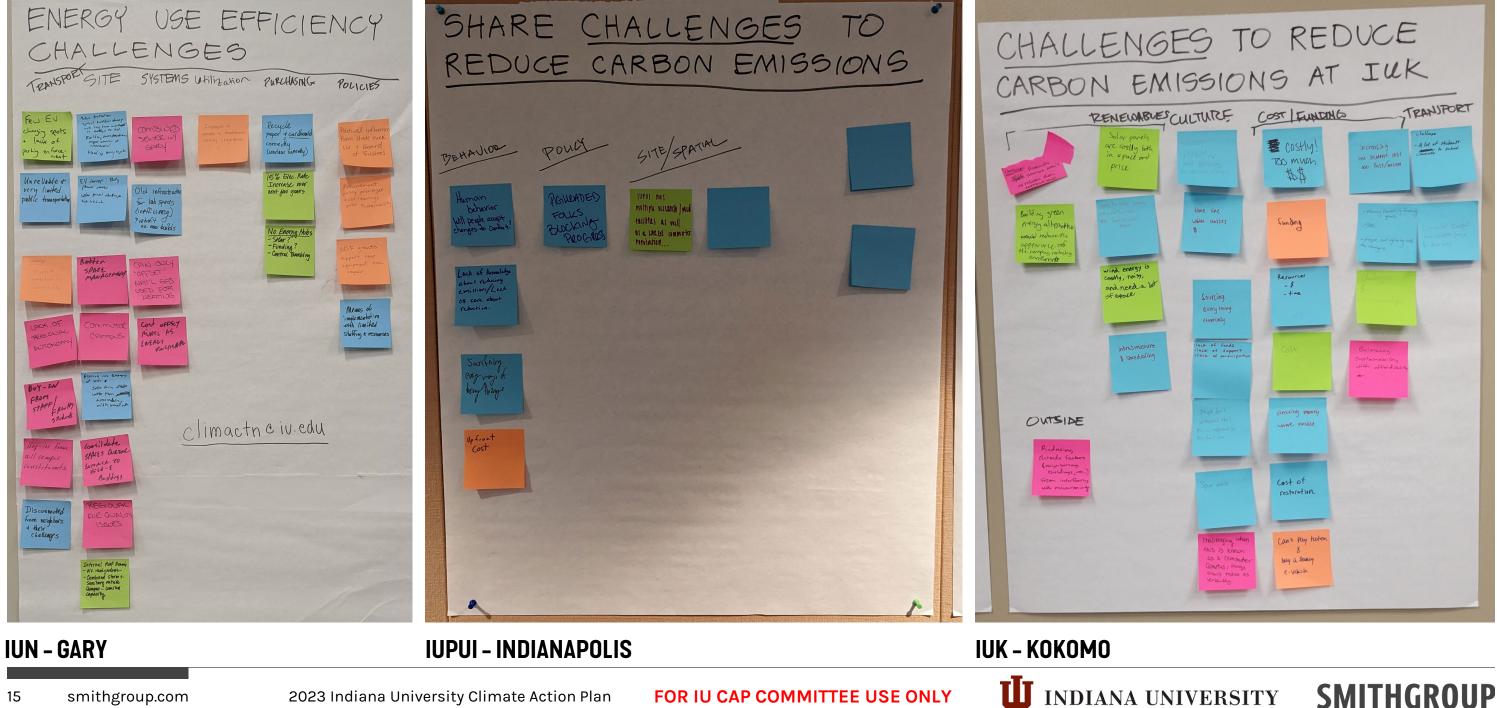
WHAT ARE SOME <u>OPPORTUNITIES</u> TO REDUCE CARBON EMISSIONS?

PUBLIC FORUM INPUT QUESTIONS



WHAT ARE SOME <u>CHALLENGES</u> TO REDUCING CARBON EMISSIONS?

PUBLIC FORUM INPUT QUESTIONS

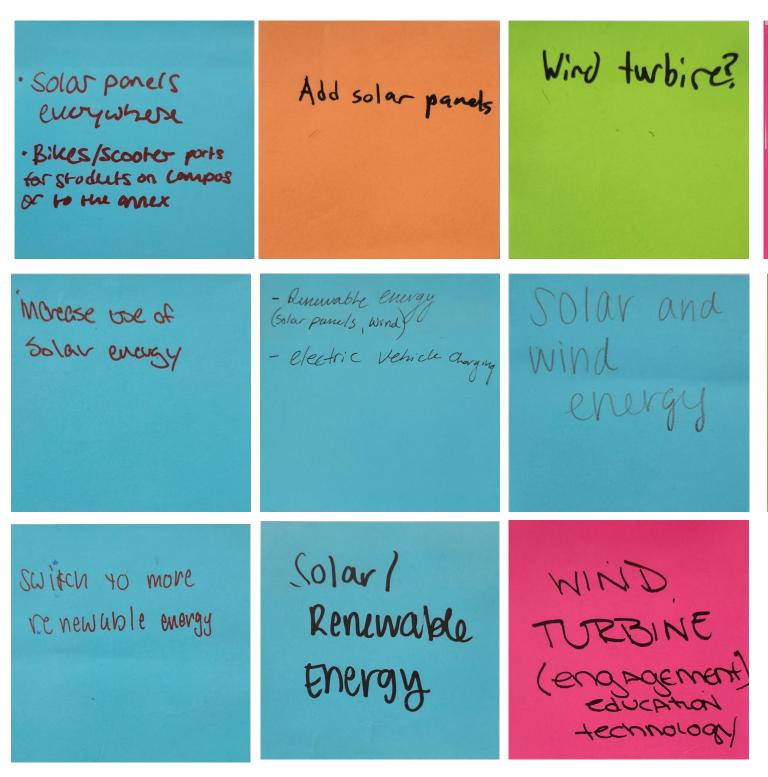


OPPORTUNITIES

COMMON THEMES

Consistent focus on renewable energy generation

- Solar
- Wind
- Heat pumps





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Using alternative energy sources (such as rencesables)

Consider heat. pump goothermal

Many areas on campus would make great areas for solar farms

OPPORTUNITIES

COMMON THEMES

- Renewable energy generation
- Mobility & transportation
- Site, buildings & facilities
- Systems
- Operations & utilization
- Purchasing
- Policies
- Social (people-based solutions, education, research, community, partnerships)
- Smart metering & fixtures
- Passive energy efficiency & design
- Food & waste

Building lighting on timers or motion sensors for off-peak use hours.	Daylight Sensors, dimmers
Encourage alternative fromsport Bites, Strates, Stateboards, Motorcycles	Passive heating x cooling measur



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Install shade-cloth & temperature Contro greenhouse - MativAte

CHALLENGES

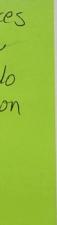
COMMON THEMES

- Costs & Funding
- Capacity (staff, time)
- Mobility & Transportation
- Site, buildings & facilities
- Systems
- Operations & utilization
- Purchasing
- Policies
- Social (education, engagement, behavior, culture, perception)
- Technology
- Outside factors

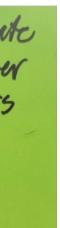
Human behavior Will people accept changes to contact?	Means of implementation with limited stating tresources	Not everyone embrace. The meed for climate Oction, how do we get-everyone or board?
funding	Lack of Technology/Time to implement Carbon emission Reduction	15% Elec. Rat Increase over next few years
Cost of restoration	wind energy is costly, noisy, and need a lot of space	Bug-in From all campus Constituent

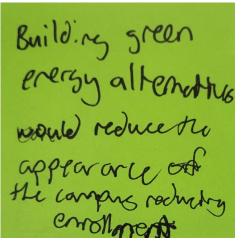


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Political influence from state over 14 t Board of Trustees







COMMITTEE GOAL AND GUIDING PRINCIPLES

PURPOSE OF THE COMMITTEE

Develop recommendations for short- and long-term opportunities to reduce greenhouse gas emissions on all IU campuses

GUIDING PRINCIPLES

- Complete, comprehensive and scientifically sound
- Immediate implementation where possible
- Financial resources required
- Funding sources and savings identified
- Broad input from students, faculty and staff on all campuses
- Benchmarks, dashboards and transparency of process and progress
- Carbon neutrality by 2040



QUESTIONS

AUDIENCE Q&A

- Will the IU Board of Trustees have to approve the climate action plan? What happens if they don't?
- What is the plan after April 2023? Will you continue to work on other areas of emissions?
- IUPUI has around a 60% commuter population, what are your ideas to account for the carbon emissions from student transportation to campus?
- If only a small group wanted to make a climate action plan where is a good place to start/what topics or fields would they be the most effective?
- How do you join the sustainability council?

- What are some of your ideas on increasing student participation in these plans? Other than open forums and surveys?
- How will you address sustainability and efficiency when it comes to the medical buildings in campus?
- Is the university willing to actually invest in the solutions needed for carbon neutrality?
- Will this process yield a climate action plan or a list of recommendations?
- How much money does IUPUI allocate to things such as sustainability or climate action in general?
- How are decisions being made regarding return on investment?

- informing this plan?
- implemented)?



Are you looking at the work that other institutions are doing, and how is that

Could a future change in administration shift attention away from the IU CAP (and prevent it from being

Are you currently engaging with surrounding communities? Do you plan to as part of this process?

Will you be focusing on lasting benefits to surrounding communities?

Campuses have older and aging buildings - will you be focusing more on adaptive reuse of existing buildings or construction of new buildings?

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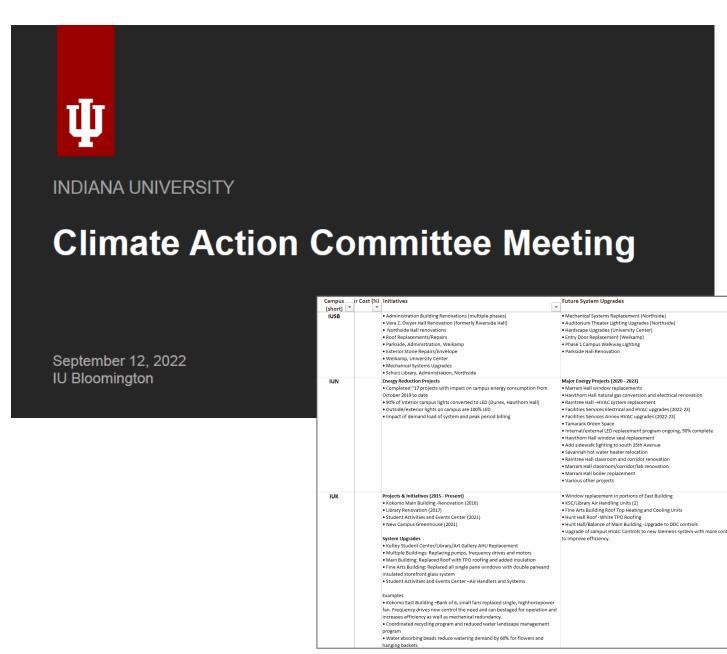
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DATA AND INFORMATION REQUESTS

- Understanding what we have
- Identifying data and resources needed to complete the IU CAP



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		Key Challenges		Opportunities	
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		• Winter weather tough on equipment [Unit exposures resulting in frozen/broken coils andwater lines) • Little Calumet River flood of 2008 led todemolition of Tamarack Hall • Degraded air due to proximity of state highway • Availability of new staff, turnover of workforce, and loss of experience • Budget restrictions or reductions related tostudent retentio • Space planning and space utilization • Sewer back up–Gary Sanitation	'n	Standardization of intra-campus processes Enhance the effectiveness of our staff Enhance the effectiveness of our staff Enhance the effectiveness of our staff Enhance the effectiveness Enhance the effectiveness Enhance the effectiveness Forude responsible stewardship Eonomit to sustainable practices (hand driersvs, paper towels) Comport for objectiveness Enhance the effectiveness Enhance the effectiv	
itrol optio	ins				