

SUSTAINABILITY COUNCIL MEETING

AGENDA

Monday – June 15, 2020

Zoom Meeting

10:30am – 12:00pm

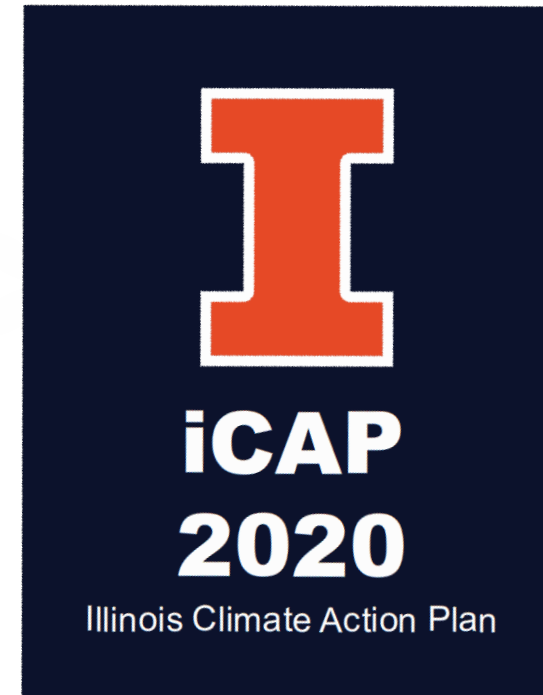
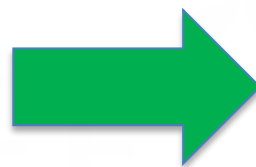
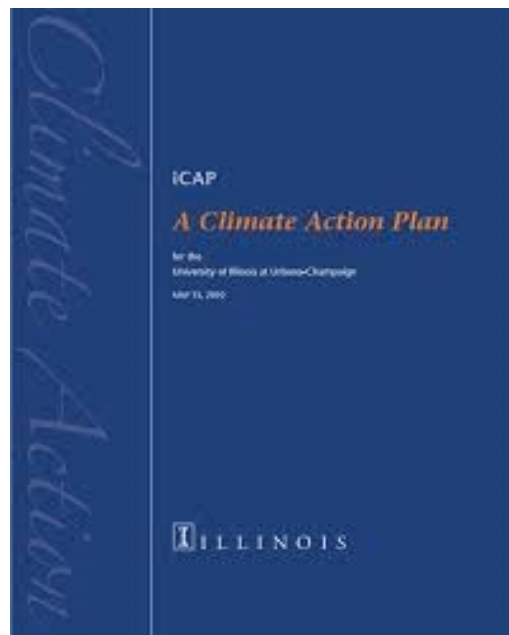
Introduction – Evan H. DeLucia

1. Updates
 - ❖ Solar Farm 2.0
 - ❖ Solar Farm 3.0
 - ❖ Ethics Training
2. iCAP 2020 Draft Objectives



INSTITUTE FOR SUSTAINABILITY, ENERGY, AND ENVIRONMENT





iCAP 2020 DRAFT OBJECTIVES

SUSTAINABILITY COUNCIL

May 27, 2020

EVAN H. DeLUCIA, BAUM FAMILY DIRECTOR

Institute for Sustainability, Energy, and Environment (iSEE)

LATEST CAMPUS SUSTAINABILITY ACHIEVEMENTS

- STARS Gold — Fourth Straight Designation
- Tree Campus USA — Renewed
- Bee Campus USA — Renewed
- International Freezer Challenge Academia Champions
— Second Straight Year
- Bicycle Friendly University — Silver
- Sierra Club Cool School — No. 20 of 282 Four-Year Institutions



UPDATES ON NOVEMBER 2019 RECOMMENDATIONS

Solar Farm 3.0

- Off-campus power purchase agreement
 - 90,000 MWh/year of solar power
- Legal analysis
 - Completed in February 2020
- Financial analysis underway
 - Advisor = Customer First Renewables
 - To be completed this summer

Solar Farm 2.0

- On schedule for groundbreaking this summer

Ethics Training on Recycling

- Script is complete; will be available this fall as optional training

iCAP 2020: PROCESS

- Spring 2019 — SWATeam review and assessment of iCAP 2015 progress
- October 2019 — Campus Sustainability Celebration (public input) and first draft objectives submitted by SWATeams
- Winter 2019-Spring 2020 — Review of proposed objectives with iCAP Working Group
- April 2020 — Presentation of iCAP objectives to public
- April-May 2020 — SWATeam review of draft chapters



iCAP 2020: TIMELINE — NOW IS THE TIME!

- **May 2020**
 - Circulate first draft document
 - Stakeholder feedback
- **Summer 2020**
 - Final editing and consensus on objectives
- **October 2020**
 - Official approval from Chancellor
 - Campus Sustainability Celebration



iCAP 2020: PARTICIPATION

- Sustainability Working Advisory Teams (SWATeams)
- iCAP Working Group
- Public and stakeholder feedback
 - October Campus Sustainability Celebration
 - April Earth Week iCAP Forum
 - Campus Operations: Senate Meeting
 - Input/feedback form on iSEE website
- Student Input Sessions
- NRES 285: Student iCAP course



iCAP 2020: OUTLINE

- Message from the Chancellor
- Introduction
 - Overview of Commitments
 - Progress to Date
 - Organization of Plan
- Theme chapters
 - Energy, Transportation, Land & Water, Zero Waste, Education, Engagement, Resilience
- Implementation
 - Capacity Development
 - Implementation Objectives
 - Funding
- Conclusion
- Honorable mentions

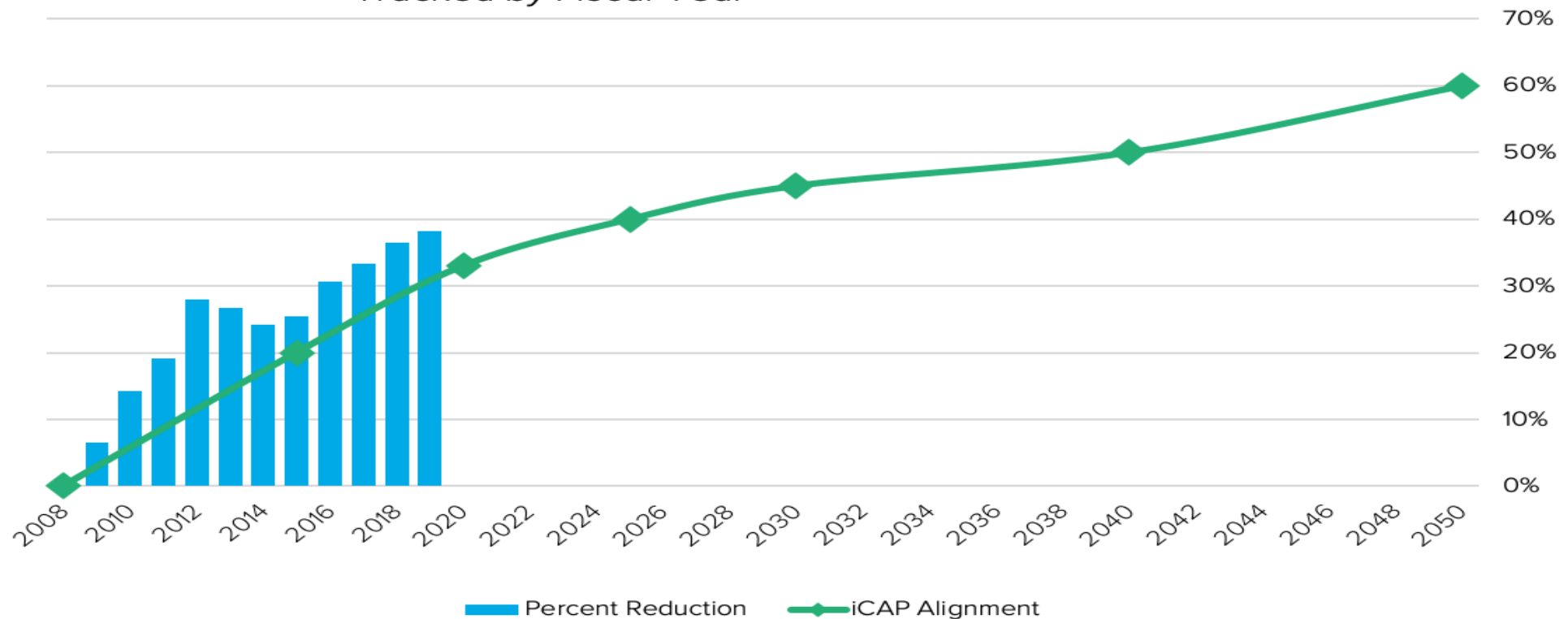


iCAP 2020: METRICS FOR KEY OBJECTIVES

	Current	2025	2030	2040	2050
Energy Use Intensity (decr. from FY08)	-38.5%		-45%	-50%	-60%
Clean energy sources	32,081MWh/yr	140,000MWh/yr (30% of total energy use)			
Pavement Condition Index	<65	65	70		
Single-occupancy vehicles (% of the total)	60%	50%	45%		
Offset Air Travel Emissions (decr. from FY14)	27%	-50%	-100%		
Car Free Commuter Program (persons)	N/A	100	500		
Water Consumption (reducing %)	-37%	-45%			
Number of Trees	16,487 trees	+1,500	+3,000		
Pollinator Friendly Areas	26	39			
Green Infrastructure Installations	24	+48			
Cover Crops on South Farms (incr. from FY19)					
	<20 acres	20% of South Farms (~668 acres)			
Landfilled Waste (decr. from FY19)	5,049 tons	-10% (4,544 tons)			
Food scrap reduction	Not available	-30% (with tracked locations)			
Local Food Use (incr. from FY19)	~25%		35%		
No. of Green Certifications (incr. from FY19)	5	20%			
Sustainable Events Program (% of total Union events)	N/A	100%			

iCAP 2020: ENERGY OBJECTIVES

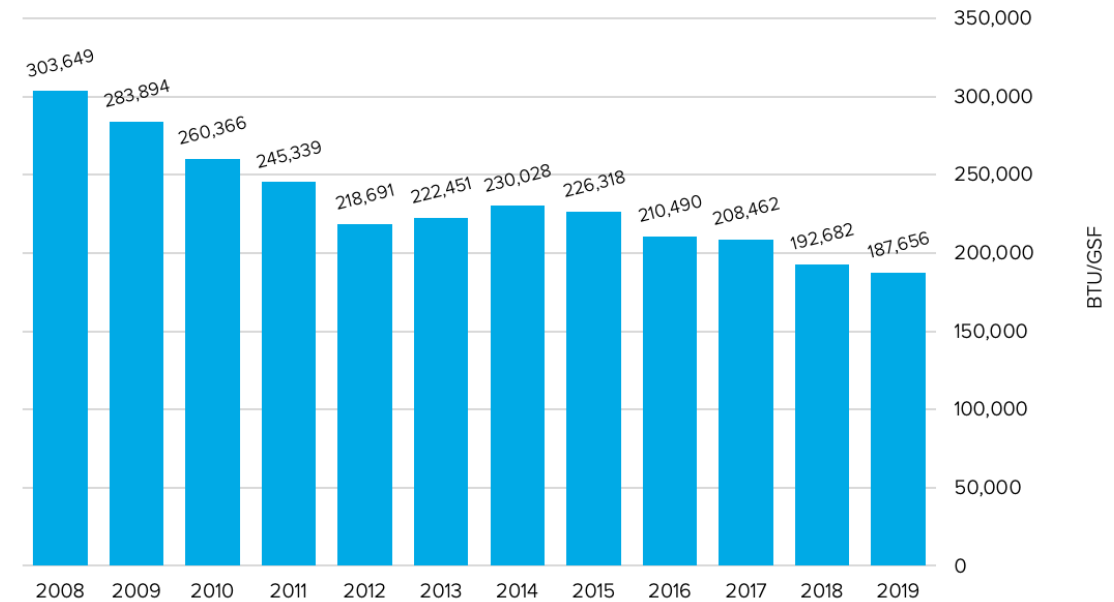
Percent Reduction in Energy Use Intensity (EUI) = Total Energy Demand Divided by Gross Square Feet (BTU/GSF)
Tracked by Fiscal Year



iCAP 2020: ENERGY OBJECTIVES

- **2.1 [F&S]:** Energy Planning Document
- **2.2 [F&S]:** Increase Energy Efficiency
 - **2.2.1 [Provost]:** Improve Space Utilization
 - **2.2.2 [Facility Managers w/F&S]:** Reduce Building-level Energy
- **2.3 [F&S]:** Clean Energy Sources
 - **2.3.1 [F&S]:** 140,000 MWh/year Clean Power
 - **2.3.2 [F&S]:** Clean Thermal Energy
 - **2.3.3 [F&S]:** Convert to Hot-water Heating

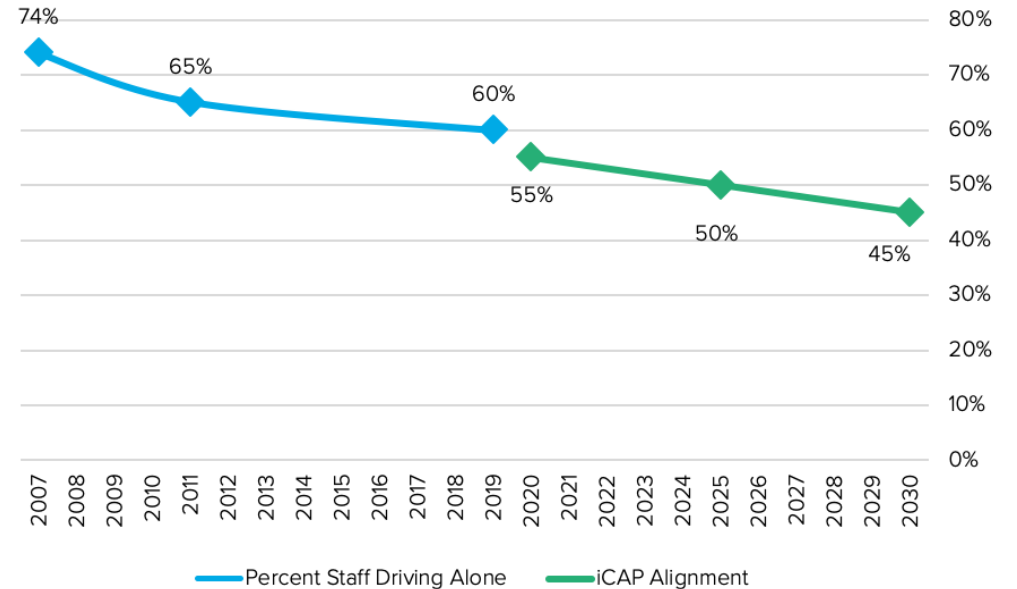
Energy Use Intensity (EUI) = Total Energy Demand Divided by
Gross Square Feet (BTU/GSF)
Tracked by Fiscal Year



iCAP 2020: TRANSPORTATION OBJECTIVES

- **3.1 [Fleet Managers w/F&S]:** Fleet Replacement Plans
- **3.2 [F&S]:** Increase Pavement Condition Index
- **3.3 [Parking]:** Electric Vehicle Task Force
- **3.4 [F&S]:** Reduce Driving on Campus
 - **3.4.1 [Parking w/F&S]:** Car Free Commuter Program
 - **3.4.2 [F&S]:** Implement Campus Bike Plan
 - **3.4.3 [F&S w/IHR]:** Telecommuting Policies
- **3.5 [iSEE]:** Offset Air Travel Emissions

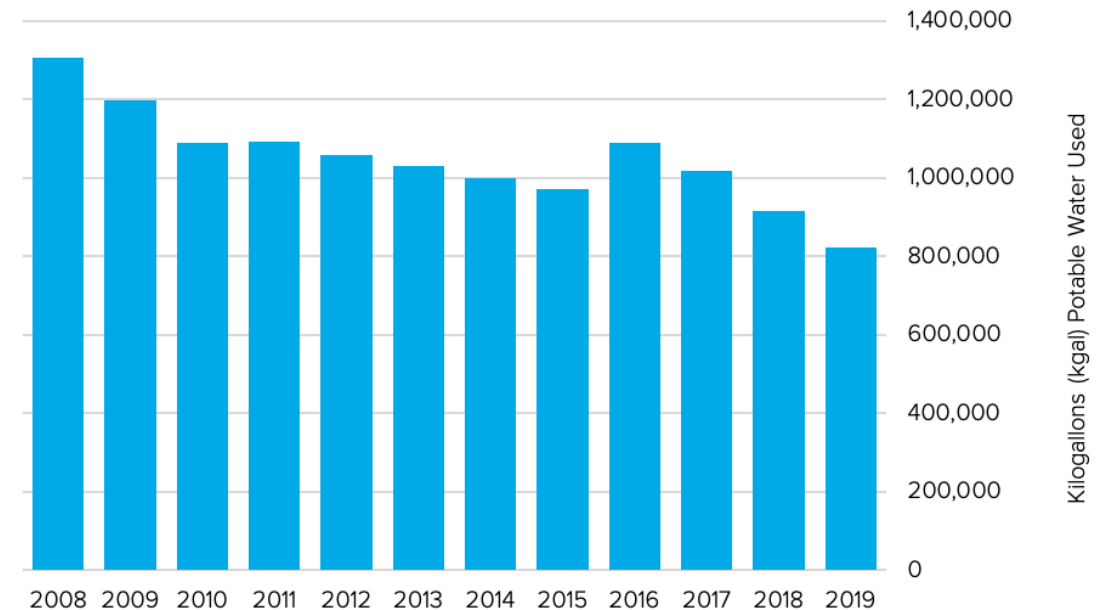
Percent Staff Driving Alone
Tracked by Fiscal Year



iCAP 2020: LAND & WATER OBJECTIVES

- **4.1 [F&S]:** Reduce Water Consumption
- **4.2 [F&S]:** Implement Resilient Landscape Strategy
 - **4.2.1 [F&S]:** Increase Number of Trees
 - **4.2.2 [F&S]:** Increase Pollinator Friendly Areas
 - **4.2.3 [F&S]:** Double Green Infrastructure Installations
- **4.3 [ACES]:** Cover Crops on South Farms
- **4.4 [ACES]:** Monitor Soil Health
- **4.5 [Housing]:** Food Literacy Project

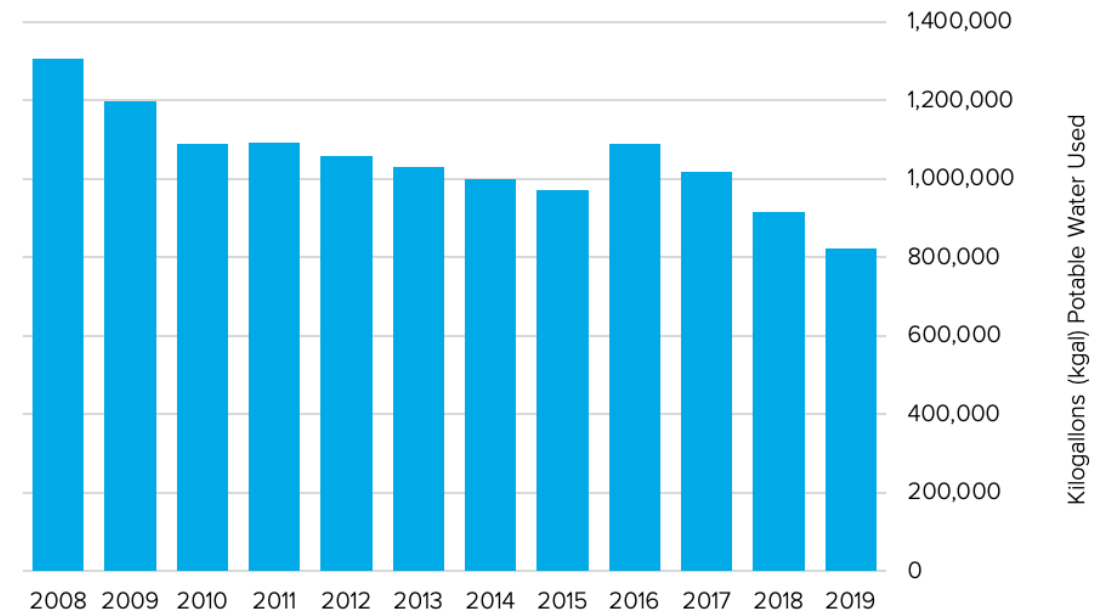
Total Potable Water Use (kgal)
Tracked by Fiscal Year



iCAP 2020: ZERO WASTE OBJECTIVES

- **4.1 [F&S]:** Reduce Water Consumption
- **4.2 [F&S]:** Implement Resilient Landscape Strategy
 - **4.2.1 [F&S]:** Increase Number of Trees
 - **4.2.2 [F&S]:** Increase Pollinator Friendly Areas
 - **4.2.3 [F&S]:** Double Green Infrastructure Installations
- **4.3 [ACES]:** Cover Crops on South Farms
- **4.4 [ACES]:** Monitor Soil Health
- **4.5 [Housing]:** Food Literacy Project

Total Potable Water Use (kgal)
Tracked by Fiscal Year



iCAP 2020: EDUCATION OBJECTIVES

- **6.1 [iSEE]:** Broaden Sustainability Education
- **6.2 [iSEE]:** Sustainability Course Catalog
- **6.3 [iSEE]:** Environmental Leadership Program
- **6.4 [iSEE]:** Sustainability Internship Program
- **6.5 [Career Center w/iSEE]:** Sustainability at Career Fairs
- **6.6 [iSEE]:** Graduate Certificate in Sustainability

iCAP 2020: ENGAGEMENT OBJECTIVES

- **7.1 [iSEE]:** Green Certifications
- **7.2 [Illini Union]:** Sustainable Events Program
- **7.3 [DIA]:** Green Sports Alliance
- **7.4 [iSEE]:** Local Collaborations
- **7.5 [Extension]:** Support Youth Sustainability
- **7.6 [iSEE]:** iCAP Portal updates

iCAP 2020: RESILIENCE OBJECTIVES

- **8.1 [Extension w/F&S]:** Urban Biodiversity Master Plan
- **8.2 [F&S w/Extension]:** Coordinated Rainwater Management
- **8.3 [iSEE w/ISG]:** Environmental Justice Plan
- **8.4 [iSEE]:** Local Sustainability Issues
- **8.5 [iSEE]:** Inventory Green Jobs
- **8.6 [F&S]:** Vision Zero
- **8.7 [iSEE]:** Local Offsets Program

iCAP 2020: IMPLEMENTATION OBJECTIVES

- **9.1 [Chancellor]:** Divest from Fossil Fuels
- **9.2 [Chancellor]:** Sustainable Investing Policy
- **9.3 [Chancellor]:** Include iCAP in Strategic Plan
- **9.4 [iSEE]:** Become STARS Platinum

iCAP 2020: OBJECTIVE EXAMPLES

Objectives	Objective Short Name	Draft Objective description	Responsible Parties	Implementation Difficulty	Funding Level
Energy 2.2.2	Reduce Building-level Energy	Reduce annual energy consumption of each college-level unit by at least 20% from the FY08 baseline by FY30.	Facility Managers/F&S	med	high
Transportation 3.2	Increase Pavement Condition Index	Increase the Pavement Condition Index (PCI) to 65 + by FY25 and 70+ by FY30	F&S/Parking	med	high
Land & water 4.2.1	Increase Number of Trees	Increase the number of trees on campus by 10% by FY24.	F&S	med	high
Land & water 4.3	Cover Crops on South Farms	Use cover crops in at least 20% of South Farms acreage by FY24.	ACES	high	high
Zero-waste 5.4	Reduce Food Scraps	Track and report food waste by FY22; reduce food waste by 30% by FY24 for all newly tracked locations.	F&S w/Illini Union	med	med
Education 6.6	Sustainability at Career Fairs	Incorporate sustainability opportunities for at least three career fairs per year beginning in FY21.	Career Center w/iSEE	low	low
Resilience 8.2	Coordinated Rainwater Management	Coordinate rainwater management plans for the urbanized areas of Champaign, Urbana, Savoy, and Campus by FY21	F&S	high	high
Facilitation 9.2	Sustainable Investing Policy	Commit to a Sustainable Investing Policy by FY24	Chancellor	high	low

iCAP 2020: IMPORTANT FACILITATING OBJECTIVES

- Fully Divest from fossil fuel companies by FY25
- Commit to a Sustainable Investing Policy by FY24
- **Incorporate iCAP in the next campus Strategic Plan**
- **Achieve STARS Platinum ranking from the Asso. for the Ad. of Sust. in Higher Ed. (AASHE) by FY30**
- Develop a coordinated **urban biodiversity master plan** and implementation working group with neighboring cities.
- Incorporate sustainability opportunities for at least three career fairs per year beginning in FY21
- Broaden the availability of sustainability education across the entire curriculum (beginning with orientation of freshman year and continuing through commencement, by FY24.
- Develop a comprehensive **Zero Waste messaging campaign** by FY21, and achieve a cumulative total of 10,000 “Use the Bin” pledges by FY24.
- By FY24, develop a **comprehensive energy planning** document that includes a detailed strategy for meeting the FY50 net-zero emissions goal.

THANK YOU.

ANY QUESTIONS?