

# iCAP 2020 Progress Update

iCAP Working Group Meeting  
June 7, 2024

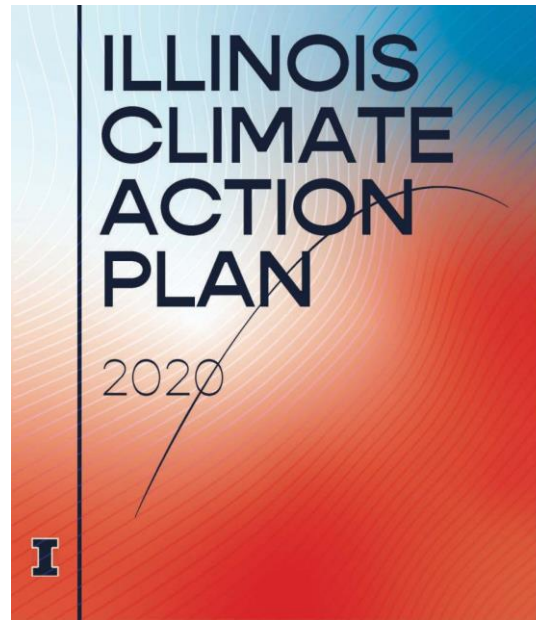


## iSEE

Institute for Sustainability,  
Energy, and Environment

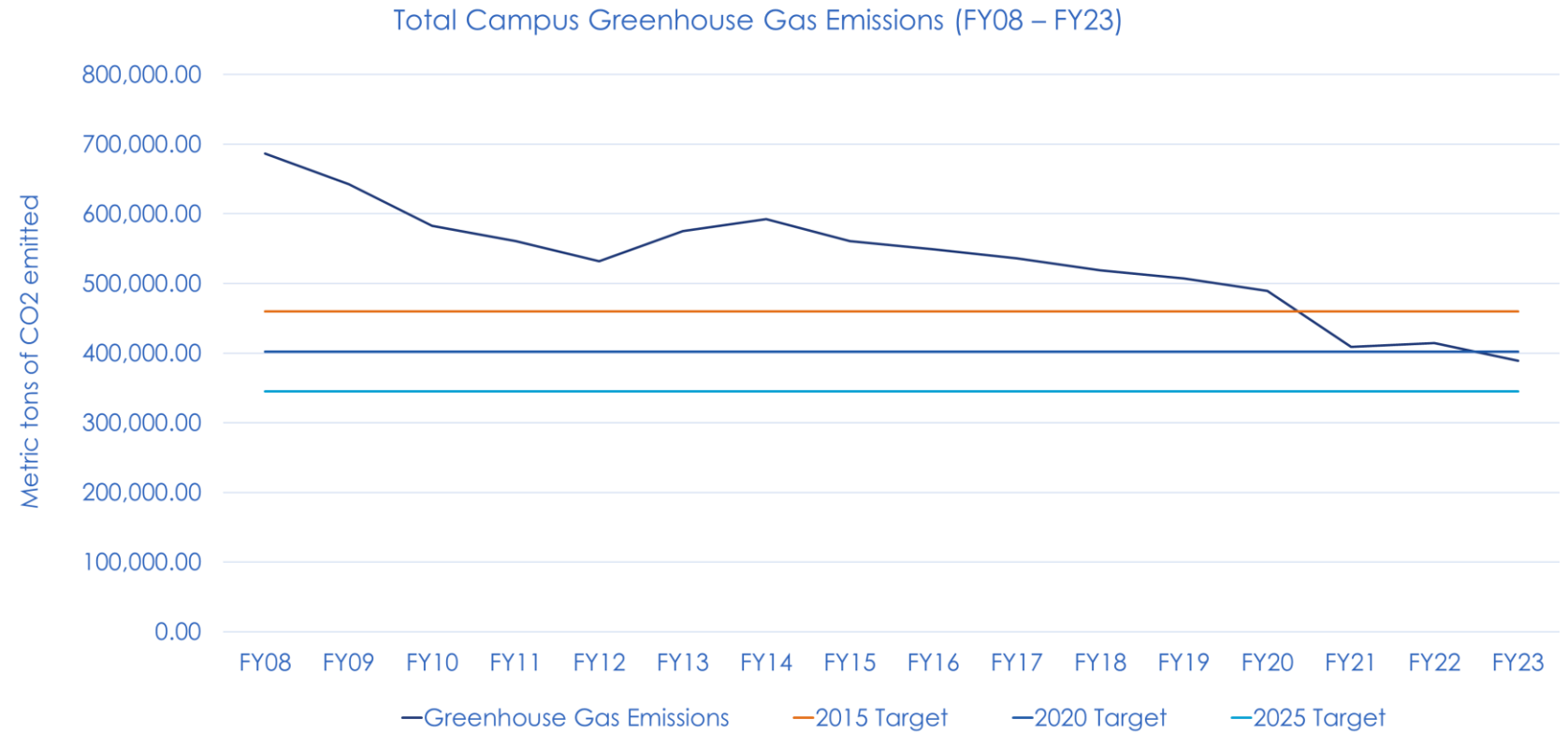


# Illinois Climate Action Plan Progress Report











# Greenhouse Gas Emissions |

- Emissions have decreased by more than 40% since 2008.












- Energy conservation programs and policies have contributed to 35% reduction, but Energy Use Intensity has plateaued over past 3 years
- Currently at 12% renewable power use - Solar Farm 3 would allow us to meet this target
- Net Zero Space Growth Policy is in place, but variances are approved regularly – no significant progress in limiting growth








 <b>ENERGY</b>   iCAP UPDATE	
<b>Objective 2.1</b> Develop a planning document with a detailed strategy for net zero emissions by 2050.	 <b>In Progress</b>
<b>Objective 2.2</b> Reduce the annual energy consumption of each college-level unit by at least 20% from a 2015 baseline	 <b>In Progress</b>
<b>Objective 2.2</b> Reduce Energy Use Intensity from a 2008 baseline by: 45% by 2030, 50% by 2040, and 60% by 2050.	 <b>On Schedule</b>
<b>Objective 2.3</b> Use clean energy sources for 15% of total campus energy demand by 2030	 <b>In Progress</b>
<b>Objective 2.2.1</b> Improve space use efficiency by minimizing square footage per person and updating the Space Policy in the Campus Administrative Manual.	 <b>In Progress</b> Sub-committee of Illinois Space Advisory Committee is working on an update
<b>Objective 2.3.1</b> Use at least 140,000 MWh/year of clean power by 2025	 <b>Behind Schedule</b>
<b>Objective 2.3.2</b> Use at least 150,000 MMBTU/year of clean thermal energy by 2030	 <b>Behind Schedule</b>

- Urban Biodiversity Master Plan completed - catalogues assets and vulnerabilities, with recommendations to strengthen biodiversity in Champaign, Urbana, Savoy, and campus
- Vision Zero traffic redesign strategy adopted by Regional Planning Commission in 2022
- Will continue to collaborate on local sustainability issues through a climate resilience task force including local stakeholders









 <b>RESILIENCE</b>   iCAP UPDATE	
<b>Objective 8.1</b> Develop an Urban Biodiversity Master Plan  <b>On Schedule</b>	<b>Objective 8.5</b> Inventory potential for area green jobs <i>*Champaign is searching for sustainability coordinator; room for green jobs expansion with new state legislation</i>  <b>On Schedule*</b>
<b>Objective 8.2</b> Coordinate Rainwater Management Plans  <b>In Progress</b>	<b>Objective 8.6</b> Support the Vision Zero traffic redesign strategy for safe, sustainable transportation <i>*Champaign Urbana Urbanized Transportation Study (CUATS) passed resolution in favor of Vision Zero for Champaign County in September 2022</i>  <b>Complete*</b>
<b>Objective 8.3</b> Develop an Environmental Justice Plan <i>* Inventoried current environmental justice Resources on campus; plan under discussion</i>  <b>On Hold*</b>	<b>Objective 8.7</b> Establish a local offset program by 2024 <i>* Under discussion</i>  <b>On Hold*</b>



- Development of a sustainability General Education Requirement is under way
- Sustainability Course Repository allows students to search for sustainability courses
- Environmental Leadership Program (ELP) now in third year
- Sustainability training videos provide informal education









 <b>EDUCATION</b>   iCAP UPDATE	
<b>Objective 6.1</b> Broadening the availability of sustainability education  On Schedule	<b>Objective 6.4</b> Developing a local sustainability internship program  On Hold
<b>Objective 6.2</b> Establishing a sustainability course repository  In Progress	<b>Objective 6.5</b> Helping students explore sustainability careers (with The Career Center)  On Hold
<b>Objective 6.3</b> Launching the Environmental Leadership Program  Completed	<b>Objective 6.6</b> Offer a graduate certificate in sustainability by 2024  Behind Schedule

- Water use declined by 41% from 2008-2023; usage ticked up in the past two years
- Campus Landscape Plan was completed in 2022; Rainwater Management Plan in progress
- Campus is planting 300 trees/year, has 45 pollinator plantings, and will reach goal of 49 green infrastructure projects this year
- Limited funding to implement Campus Landscape Master Plan

 <b>LAND &amp; WATER</b>   iCAP UPDATE	
<b>Objective 4.1</b> Reduce potable water consumption to 721,500 kgal/year by 2024	 <b>On Schedule</b>
<b>Objective 4.2</b> Implement the Resilient Landscape Strategy recommendations by 2024	 <b>On Schedule</b>
<b>Objective 4.2.1</b> Increase the number of trees on campus by 1,500 by 2024	 <b>On Schedule</b>
<b>Objective 4.2.2</b> Increase number of pollinator-friendly landscapes by 50% by April 2024	 <b>Complete</b>
<b>Objective 4.2.3</b> Double number of green infrastructure installations to 48 by 2024	 <b>Complete</b>
<b>Objective 4.3</b> Use cover crops on 20% of the South Farms by 2024	 <b>Behind Schedule</b>
<b>Objective 4.4</b> Monitor soil health for all South Farms land parcels by 2024 <i>*A research project on campus is currently assessing South Farms soil health</i>	 <b>In Progress</b>



- F&S introduced EVs & hybrids into carpool and has sustainable fleet plan, but no policy exists for other units
- Campus has established telecommuting policies
- Campus continues to implement Campus Bike Plan to improve safety and mobility for cyclists – updated Campus Bike Plan 2024 underway

TRANSPORTATION		iCAP UPDATE	
<b>Objective 3.1</b> Establish written replacement plans for at least 80% of campus fleets by 2024	 <b>On Schedule</b>	<b>Objective 3.4.1</b> Develop a Commuter Program and register 100 people by 2024	 <b>In Progress</b>
<b>Objective 3.2</b> Increase the Pavement Condition Index (PCI) for university-owned roads so the average PCI score is at least 65 by 2025 <i>* A new PCI Index will be available later this year</i>	 <b>Complete</b>	<b>Objective 3.4.2</b> Continue to implement the 2014 Campus Bike Plan	 <b>Complete</b>
<b>Objective 3.3</b> Establish an Electric Vehicle Task Force by FY22	 <b>Complete</b>	<b>Objective 3.4.2</b> Establish telecommuting policies for the campus by 2024	 <b>Complete</b>
<b>Objective 3.4</b> Reduce driving on campus and the percentage of staff trips with single-occupancy vehicles from 60% to 50% by FY25	 <b>On Schedule</b>	<b>Objective 3.5</b> Reduce net air travel emissions from FY14 baseline: 50% by FY24 and 100% by FY30	 <b>Behind Schedule</b>








- Volunteers recycled more than 4,060 pounds of bottles and cans at 6 zero-waste sporting events from 2022 to 2024
- Be Orange, Go Green campaign increases awareness of ~700 water bottle filling stations
- Sustainable Student Farm sends majority of its produce to campus dining halls
- Grind2Energy system converts food scraps into fertilizer and energy – but only for dining halls, and creates cost burden

 <b>ZERO WASTE</b>		iCAP UPDATE	
<b>Objective 5.1</b> Create sustainable procurement reporting guidelines, 100% compliance by 2024 <i>*New procurement plan in development</i>	 <b>In Progress*</b>	<b>Objective 5.4</b> Reduce food waste through a behavior change campaign and tracking/ recovering surplus food, with five new areas reporting food waste by 2022	 <b>Behind Schedule</b>
<b>Objective 5.2</b> Reduce campus waste by at least 10% to 4,544 tons by 2024	 <b>Behind Schedule</b>	<b>Objective 5.5</b> Develop a plan to sustainably dispose of organic waste by 2024	 <b>Complete</b>
<b>Objective 5.2.1</b> Place new indoor bins in at least 150 buildings by 2024. <i>*64 campus buildings have at least one</i>	 <b>In Progress*</b>	<b>Objectives 5.6, 5.6.1</b> Increase use of local food to 35% by FY30 <i>*Establishing standard definition of "local"; Sustainable Student Farm provides "a majority" of its produce to university dining halls</i>	 <b>In Progress*</b>
<b>Objective 5.3</b> Establish a culture of reuse, with four zero-waste events in 2023	 <b>Complete</b>	Implement Food Literacy Project by tracking environmental footprints of each dining hall by 2024. <i>*University Housing considering third-party company to track data</i>	 <b>Complete</b>
<b>Objective 5.3.1</b> Develop Zero Waste messaging campaign, collect 10,000 Use the Bin pledges by 2024	 <b>Behind Schedule</b>	<b>Objective 5.7</b> Establish a green cleaning program that meets LEED standards by 2024	 <b>On Schedule</b>

# Engagement |

- Number of green-certified events/chapters/offices grew from 7 in 2020 to 57 in 2023
- The Division of Intercollegiate Athletics is now part of the Green Sports Alliance
- The iCAP portal is regularly updated to report progress

 <b>ENGAGEMENT</b>		iCAP UPDATE	
<b>Objective 7.1</b> Increase the number of Green Campus Program Certifications by 20% every year from 2020-24	 <b>On Schedule</b>	<b>Objective 7.4</b> Use GivePulse tracking system to increase local sustainability collaborations	 <b>On Hold</b>
<b>Objective 7.2</b> 80% of Illini Union Events qualifying as sustainable by 2024	 <b>Completed</b>	<b>Objective 7.5</b> Hold an annual Youth Sustainability Summit	 <b>On Hold</b>
<b>Objective 7.3</b> DIA joining the Green Sports Alliance by 2021	 <b>Completed</b>	<b>Objective 7.6</b> Use the iCAP Portal regularly to report progress	 <b>Completed</b>





THANK YOU!