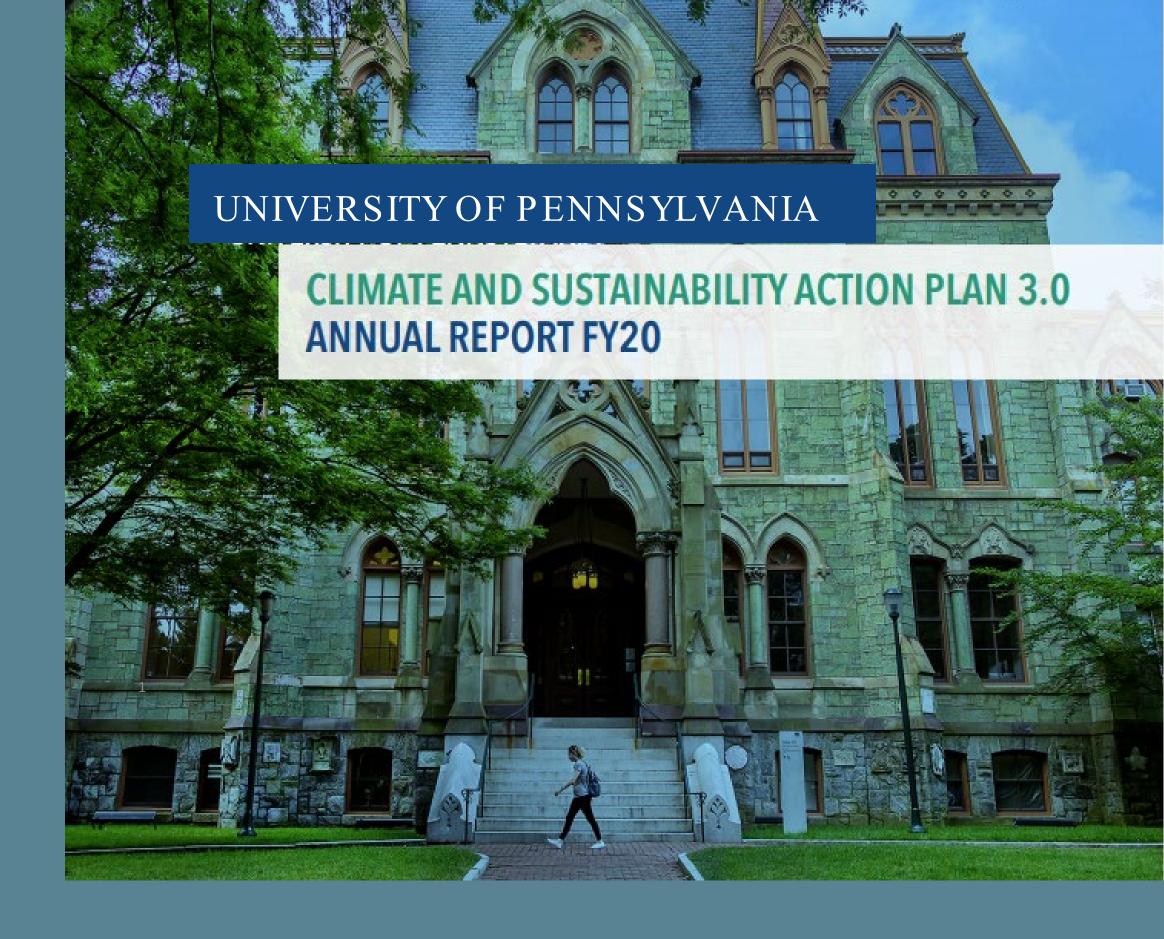
# UNIVERSITY OF PENNSYLVANIA CSAP 3.0 ANNUAL REPORT OVERVIEW



UNIVERSITY COUNCIL MEETING MARCH 24, 2021





### CSAP CHARGE

### CARBON NEUTRAL BY 2042

100% carbon neutral campus by 2042.



Expand the scope of sustainability research in Penn's academic centers, and connect students to Penn's abundant resources in this field



Continue to reduce carbon emissions and explore expanded use of renewable energy to mitigate the impacts of climate change



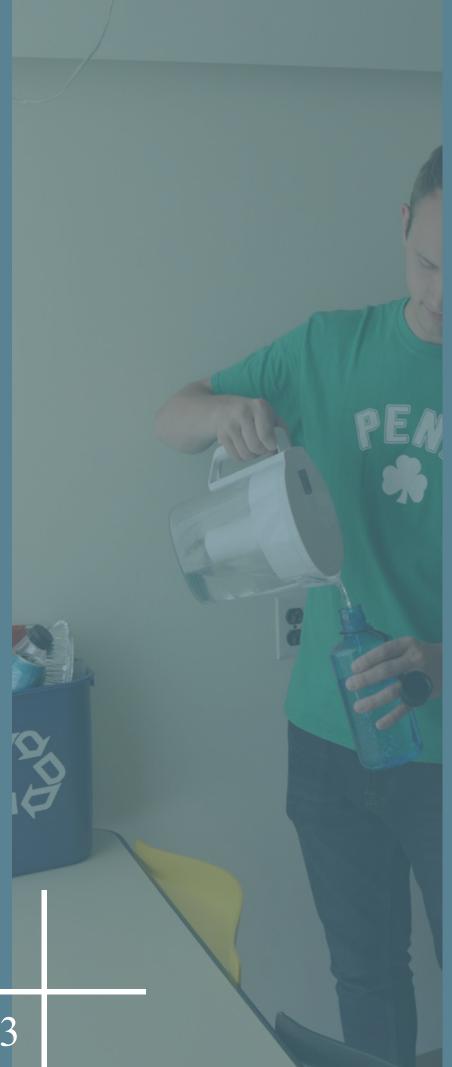
Embrace circular economy principles to reduce waste and single-use products



Make sustainable choices in transportation, purchasing, and business operations



Inform, educate, and empower the Penn community to participate in Penn's climate change and sustainability goals



### 7 INITIATIVES

ACADEMICS

UTILITIES & OPERATIONS

PHYSICAL ENVIRONMENT

WASTE MINIMIZATION & RECYCLING

PURCHASING

TRANSPORTATION

OUTREACH & ENGAGEMENT







### ACADEMICS

30%

PERCENTAGE OF THE PENN STUDENT
POPULATION ENROLLED IN
SUSTAINABILITY COURSES DURING THE
20 19-20 20 ACADEMIC YEAR



THE FACULTY SENATE COMMITTEE ON
THE INSTITUTIONAL RESPONSE TO
THE CLIMATE EMERGENCY WAS
ESTABLISHED IN DECEMBER '19



NUMBER OF COURSES IN PENN'S
SUSTAINABILITY COURSE INVENTORY
ACROSS ALL SCHOOLS & DEPARTMENTS





# UTILITIES & OPERATIONS

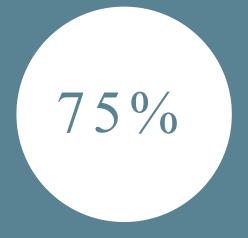
11

NUMBER OF ENHANCED

RECOMMISSIONING STUDIES

THAT ARE COMPLETE AND BEING

IMPLEMENTED



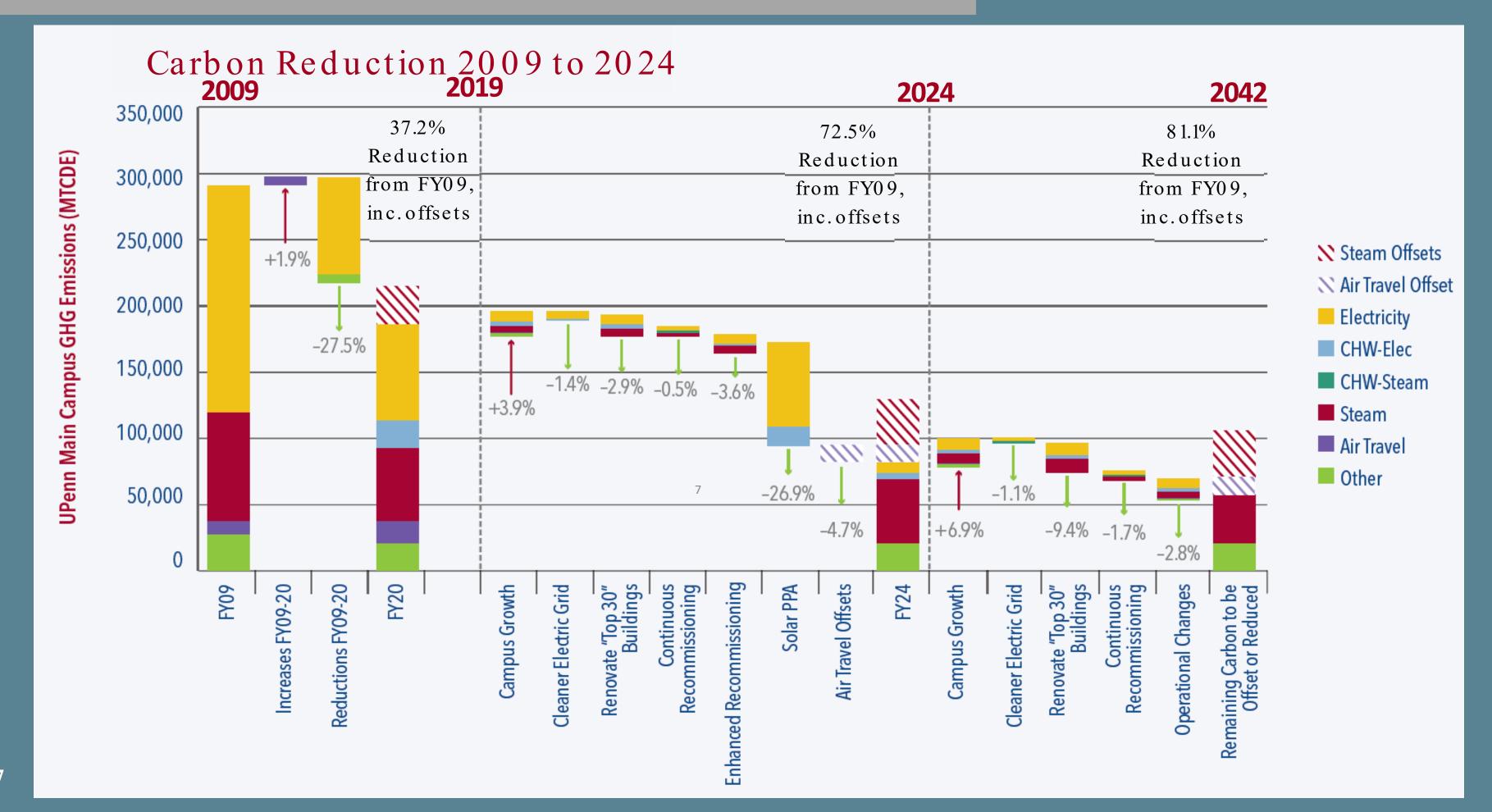
% OF CAMPUS ELECTRICITY
DEMAND THAT WILL BE OFFSET BY
PENN'S SOLAR POWER PURCHASE
AGREEMENT STARTING IN 2023



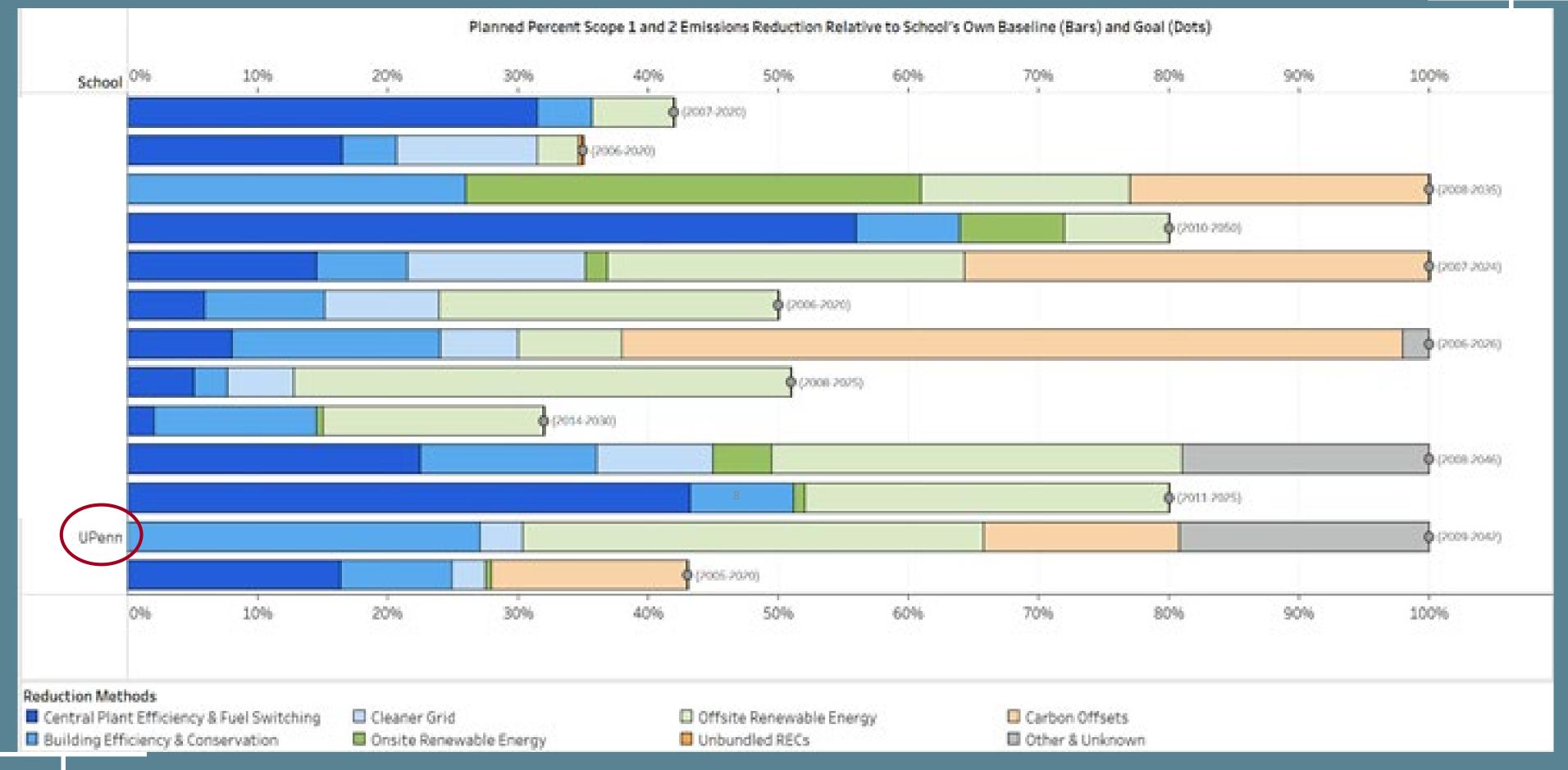
PERCENT REDUCTION IN OVERALL
EMISSIONS SINCE 2009



### PATH TO CARBON NEUTRAL



#### IVY PLUS SUSTAINABILITY CONSORTIUM: CLIMATE GOALS & STRATEGIES





### PHYSICAL ENVIRONMENT

LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) CERTIFIED BUILDINGS TO DATE

VAGELOS **DESIGN** APPROVED



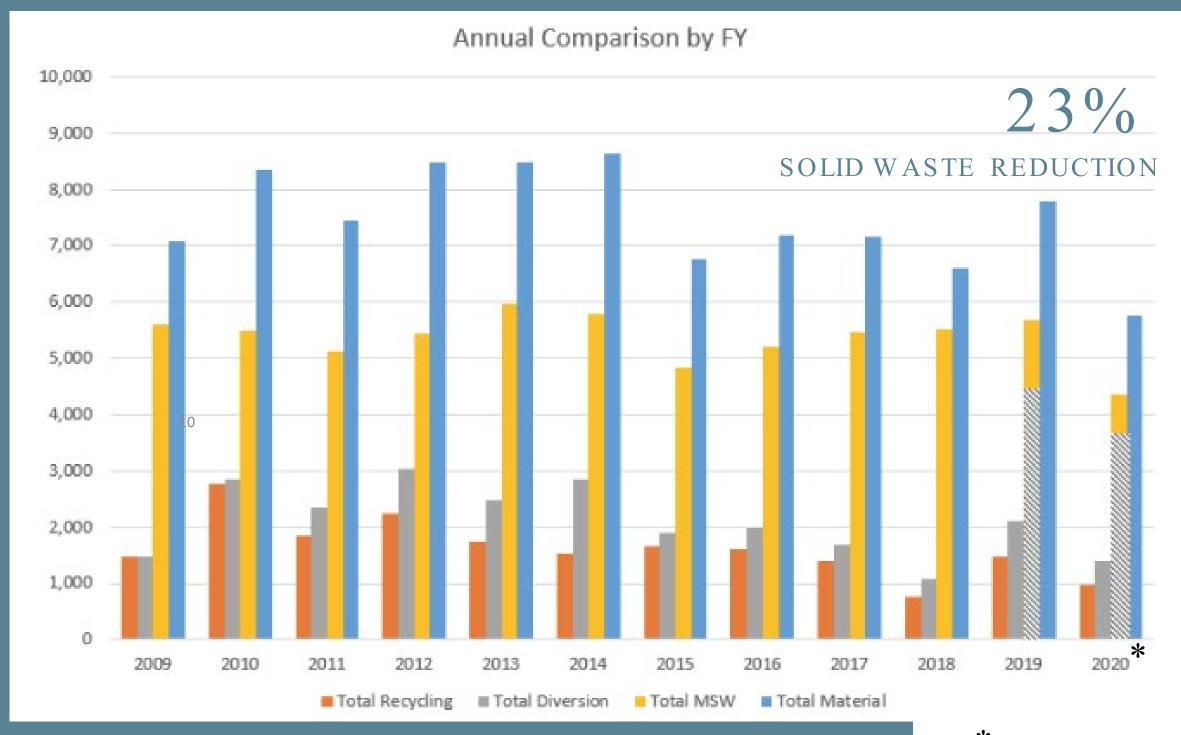
PENN'S LANDSCAPE ARCHITECTURE STAFF AND STUDENT ECO-REPS DEVELOPED BIRD-FRIENDLY **DESIGN GUIDELINES** 

VAGELOS LABORATORY FOR ENERGY SCIENCE AND TECHNOLOGY WAS PRESENTED AND APPROVED AT THE FALL TRUSTEES MEETING





### W A S T E MINIMIZATION & R E C Y C L I N G



# DINING AND SUSTAINABILITY DURING COVID



## WHAT PENN IS DOING

- Has given out reusable bags to students to carry home food from the dining halls
- Has re-introduced the Green2Go reusable clamshell program
- Has made disposable utensils available by request only (inperson and on the app)
- Worked to ensure as many items as possible that are recyclable given supply chain constraints
- Has created and posted signage in college houses, dining locations, and on social media outlining how to recycle packaging materials



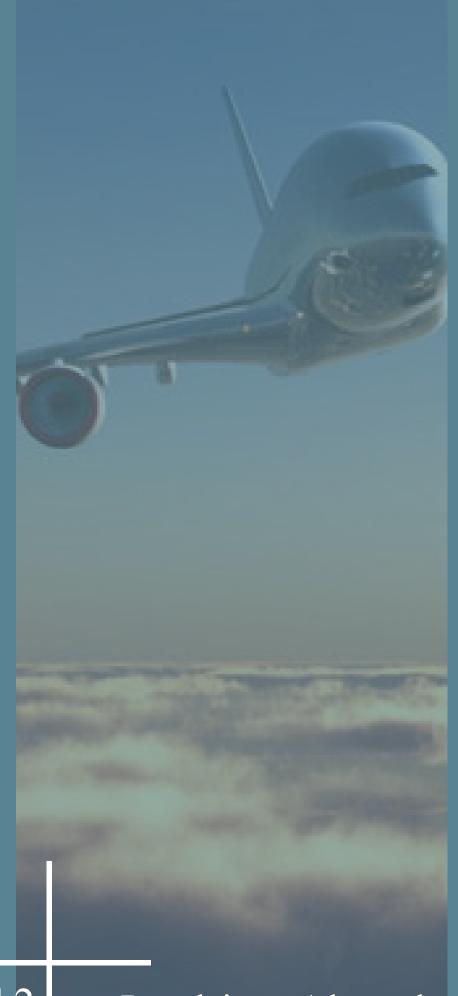




### HOW YOU CAN HELP

- ✓ Take your reusable bag with you to the dining hall each time you go to pick up a meal
- ✓ Utilize the Green2Go program at the stations where offered!
- Refuse disposable utensils from dining halls in favor of reusable cutlery
- Sort your dining hall waste properly into the recycling and trash streams

Thank you for your help in keeping our campus safe, clean, and sustainable!



### PURCHASING - AIR TRAVEL

10 %

ESTIMATED AMOUNT OF PENN'S

TOTAL CARBON FOOTPRINT IS

COMPRISED OF TRAVEL BY PENN'S

FACULTY, STAFF & STUDENTS

FALL 2021

PENN IS SET TO LAUNCH A PILOT
PROGRAM TO TRACK AND
CHARGE SCHOOLS & CENTERS AN
AIR TRAVEL CARBON FEE TO FUND
VERIFIED CARBON OFFSETS





### TRANSPORTATION

47

NUMBER OF DOCKS AT THE 2 NEW INDEGO
BIKE SHARE STATIONS INSTALLED AT 34TH
& CHESTNUT AND 34TH & SPRUCE; THERE
ARE NOW 142 DOCKS TOTAL ON CAMPUS



NUMBER OF STAFF AND

FACULTY PARTICIPANTS IN THE

BIKE COMMUTER

REIMBURSEMENT PROGRAM

DURING THE 20 19 TAX YEAR



NUMBER OF ELECTRIC VEHICLE CHARGING
STATIONS INSTALLED IN FY20; THERE ARE NOW
12 STATIONS TOTAL ON CAMPUS





## OUTREACH & ENGAGEMENT

14

NUMBER OF COMMITTED GREEN
LABS ON CAMPUS



NUMBER OF OFFICES CERTIFIED UNDER
THE GREEN OFFICE PROGRAM



NUMBER OF ENERGY EFFICIENT ULT FREEZERS PURCHASED SINCE THE ULT FREEZER REBATE PROGRAM'S INCEPTION

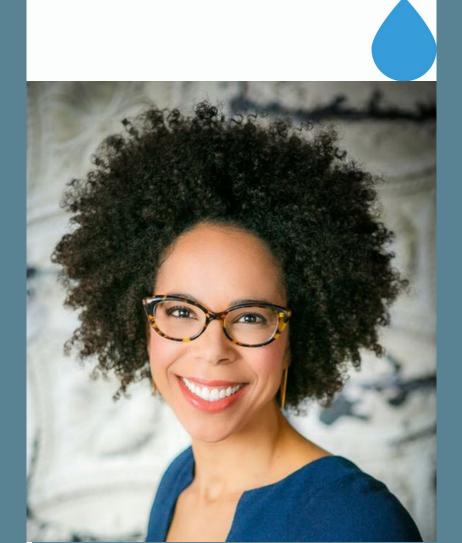


NUMBER OF STAFF AND FACULTY WHO HAVE TAKEN
THE SUSTAINABILITY 10 1 KNOWLEDGELINK MODULE



# GLIMATE WEEK AT PENN

### CLIMATE WEEK @ PENN, FALL 2020



3,000

INDIVIDUAL

PARTICIPATIONS IN THE

WEEK'S EVENTS



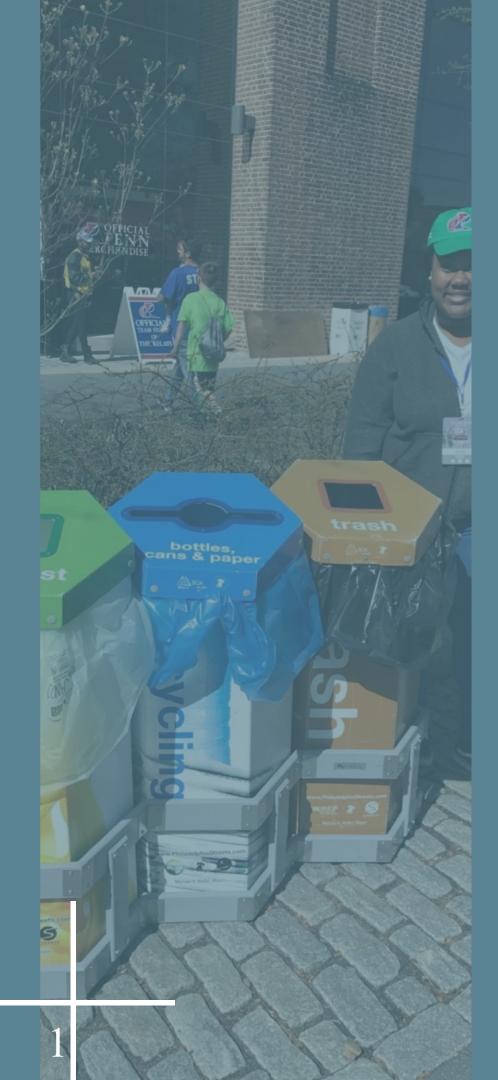
UNIQUE EVENTS ORGANIZED BY 28
SEPARATE PENN ORGANIZATIONS
ACROSS 7 SCHOOLS

45+



NGOS AND COMMUNITY
ORGANIZATIONS INVOLVED WITH
CLIMATE WEEK EVENTS





### GET ENGAGED WITH PENN SUSTAINABILITY



@PennSustainability



@Penn Sustainability



@GreenPenn

Email: sustainability@upenn.edu

Website: sustainability.upenn.edu

