



# 2021 Town Gown Report

*to the City of Cambridge*



February 1, 2022



# Glen Shor

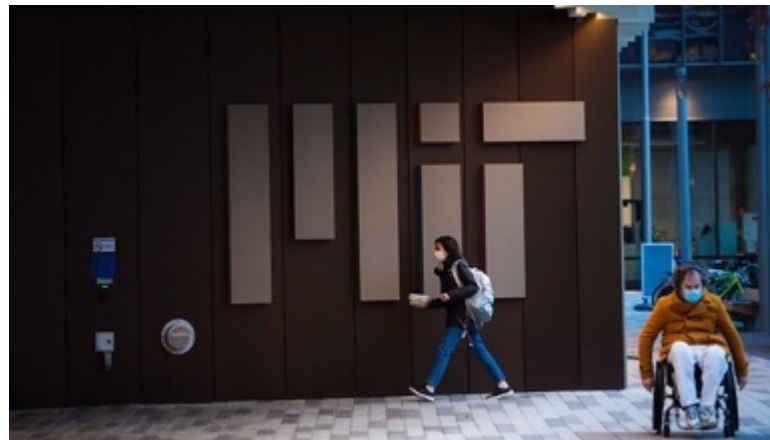
Executive Vice President and  
Treasurer





# Covid-19

---



# Housing



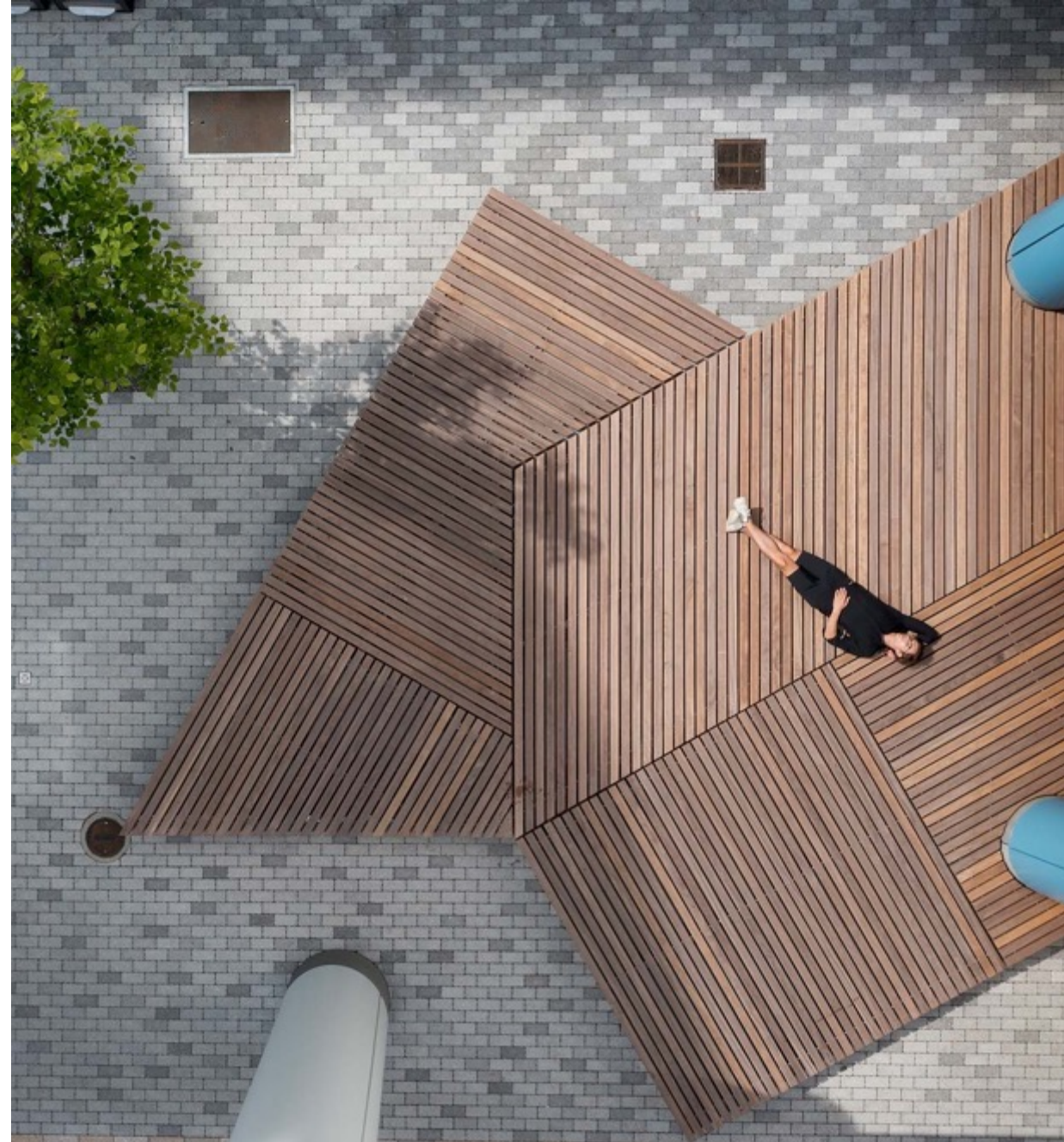
New Vassar Residence Hall



# Academic Projects

Joe Higgins

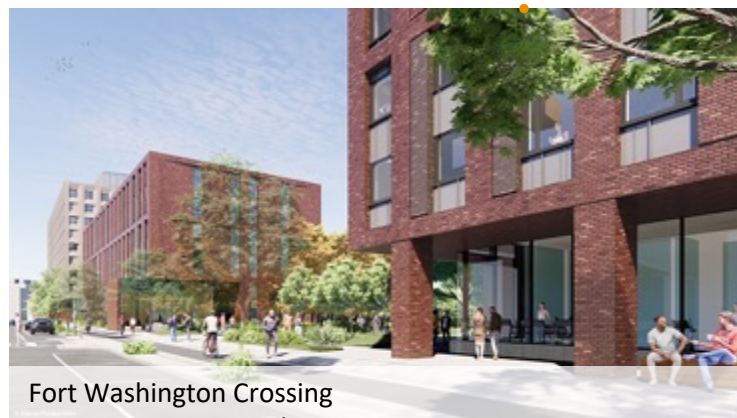
Vice President for Campus  
Services and Stewardship



Entrance courtyard at  
Vassar Street Residence Hall



# Vassar Street Corridor



# Wayfinding



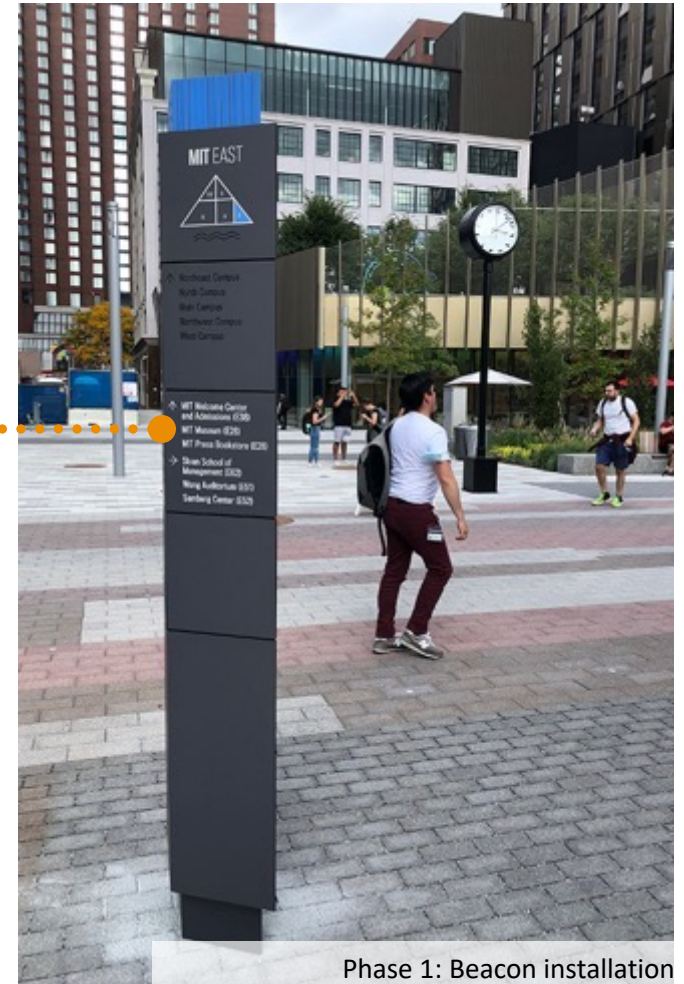
Campus Identifier  
at Gateways



Campus directory



Pedestrian Beacon



Phase 1: Beacon installation  
at Kendall Square



# Capital Renewal



Zesiger Sports and Fitness  
Center Pool Renewal



Building 7 dome  
restoration



Albany Garage



# Project Highlights



Hayden Library and  
Courtyard



Music Building



Earth and Environment  
Building





# Commercial Projects

Michael Owu

Managing Director, Real Estate





# Kendall Square



314 Main St.  
Fall 2020

*Photo: Albert Većerka, Esto*



238 Main St.  
Fall 2021



165 Main St.  
Spring 2022



200 Main St.  
Fall 2025

*Rendering: Elkus Manfredi Architects*



# New DOT Volpe Facility & 730-750 Main Street



Volpe Facility  
Fall 2023



730 & 750 Main St.  
Fall 2022



# Volpe Redevelopment

---



# Sustainability

Julie Newman

Director of Sustainability





# The 'super wicked problem' of climate change is our Earthshot

We must find affordable, equitable ways to bring every aspect of the global economy to net-zero carbon no later than 2050.

By **L. Rafael Reif** Updated April 19, 2021, 3:00 a.m.







## MIT unveils a new action plan to tackle the climate crisis

The Institute commits to net-zero emissions by 2026, charts course marshaling all of MIT's capabilities toward decarbonization.

David L. Chandler | MIT News Office  
May 12, 2021

PRESS INQUIRIES



MIT has committed to net-zero emissions by 2026, and charts a course marshaling all of MIT's capabilities toward decarbonization.

Image: Christopher Harting

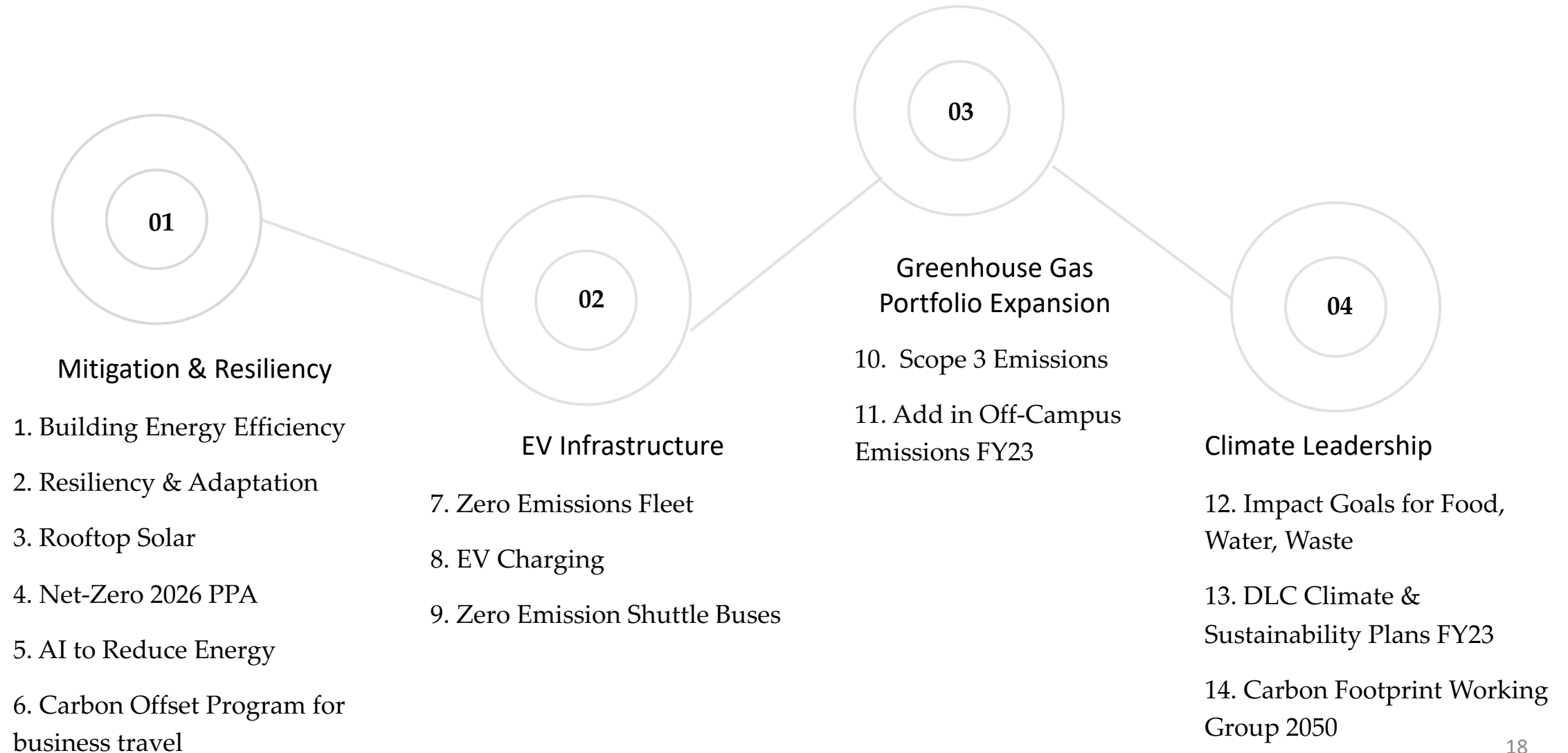


# Meeting the World's Climate Challenge

To achieve net-zero direct carbon emissions by 2050 + adapt to effects we can't prevent:

- **GO AS FAR AS WE CAN, AS FAST AS WE CAN**, with the tools we have now. Tools include science and technology, policy, markets, infrastructure, and behavioral and cultural changes.
- **INVEST IN, INVENT, AND DEVELOP** the suite of new tools, including science and technology breakthroughs and new institutions and policies needed to deploy them rapidly, wisely and equitably.
- **EDUCATE AND EMPOWER THE NEXT GENERATION**, those who are inheriting this problem and will be the people who must ultimately solve it.

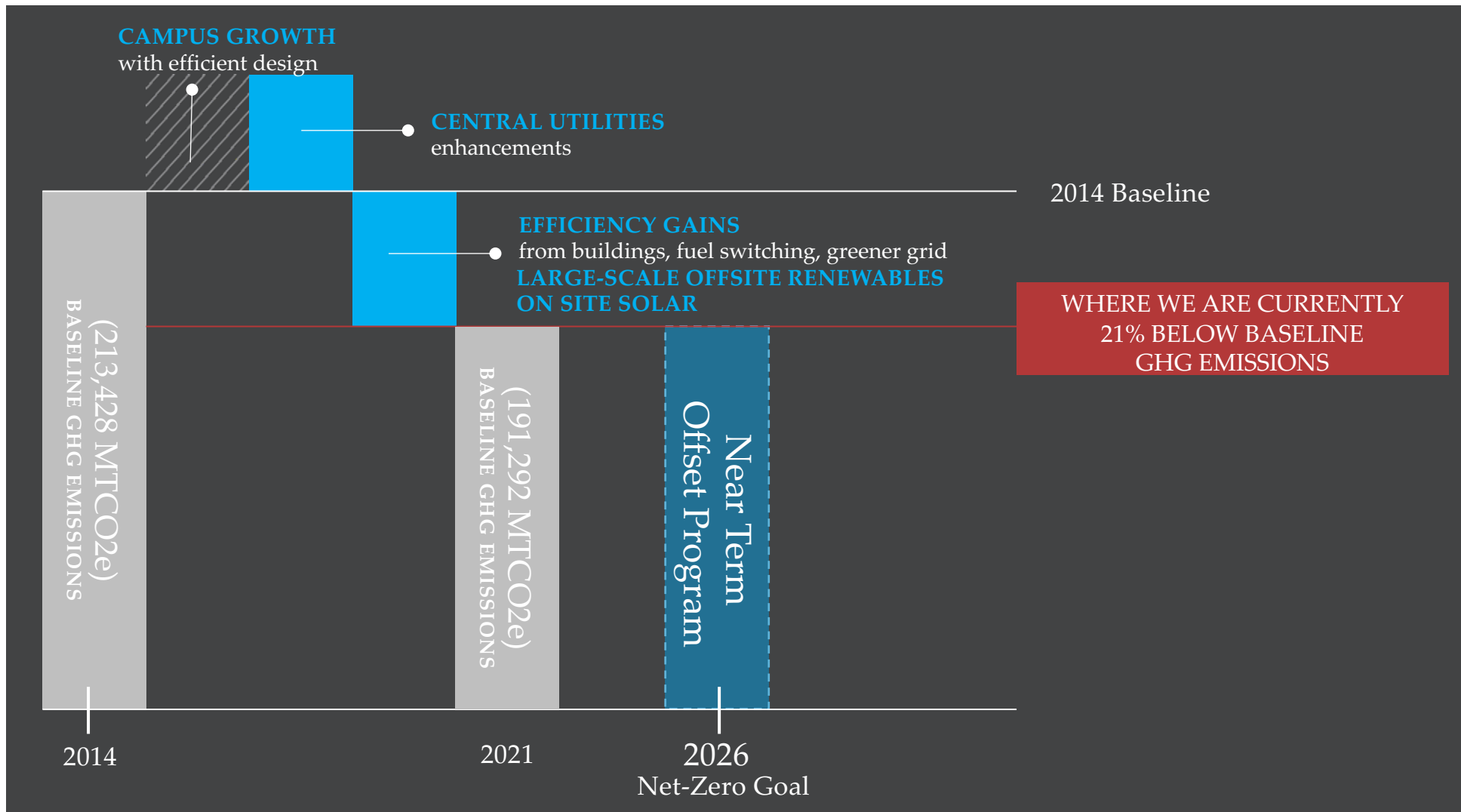
# Reducing MIT's Climate Impact: 14 Commitments



\*Fast Forward: MIT's Climate Action Plan for the Decade (published 2021)



# Net-zero by 2026



# A Goal of Eliminating Direct Emissions by 2050

...recognizing that making this happen will depend on significant advances in carbon-reducing technologies and a decarbonized electrical grid in New England.

To advance toward this goal, we are taking steps now:

- A new carbon footprint working group to begin developing a roadmap to decarbonization
- Deep energy reduction in existing buildings
- Leading-edge design in new buildings and renovations
- Converting campus distribution systems
- On-campus renewable energy
- Electrification of transportation
- Electrification of buildings
- AI-enabled energy systems
- Behavior change
- Scenario planning for breakthrough technologies



# Deep Energy Retrofits

Buildings 46, 76, 68, 32, E25, E14



Reduce MIT emissions by **10-15%**

# Solar on Roofs

Increase renewable energy installations (primarily solar) on campus by a minimum of 400% by 2026 (from 100kw to 500kw)

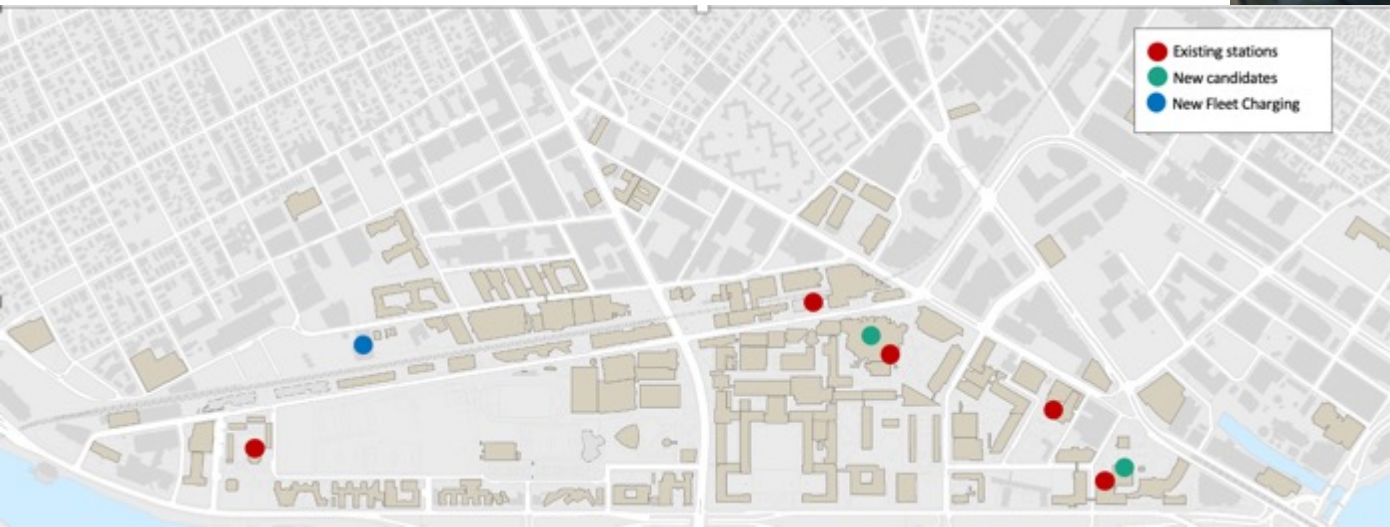
Reduce MIT emissions by **~2-3%**



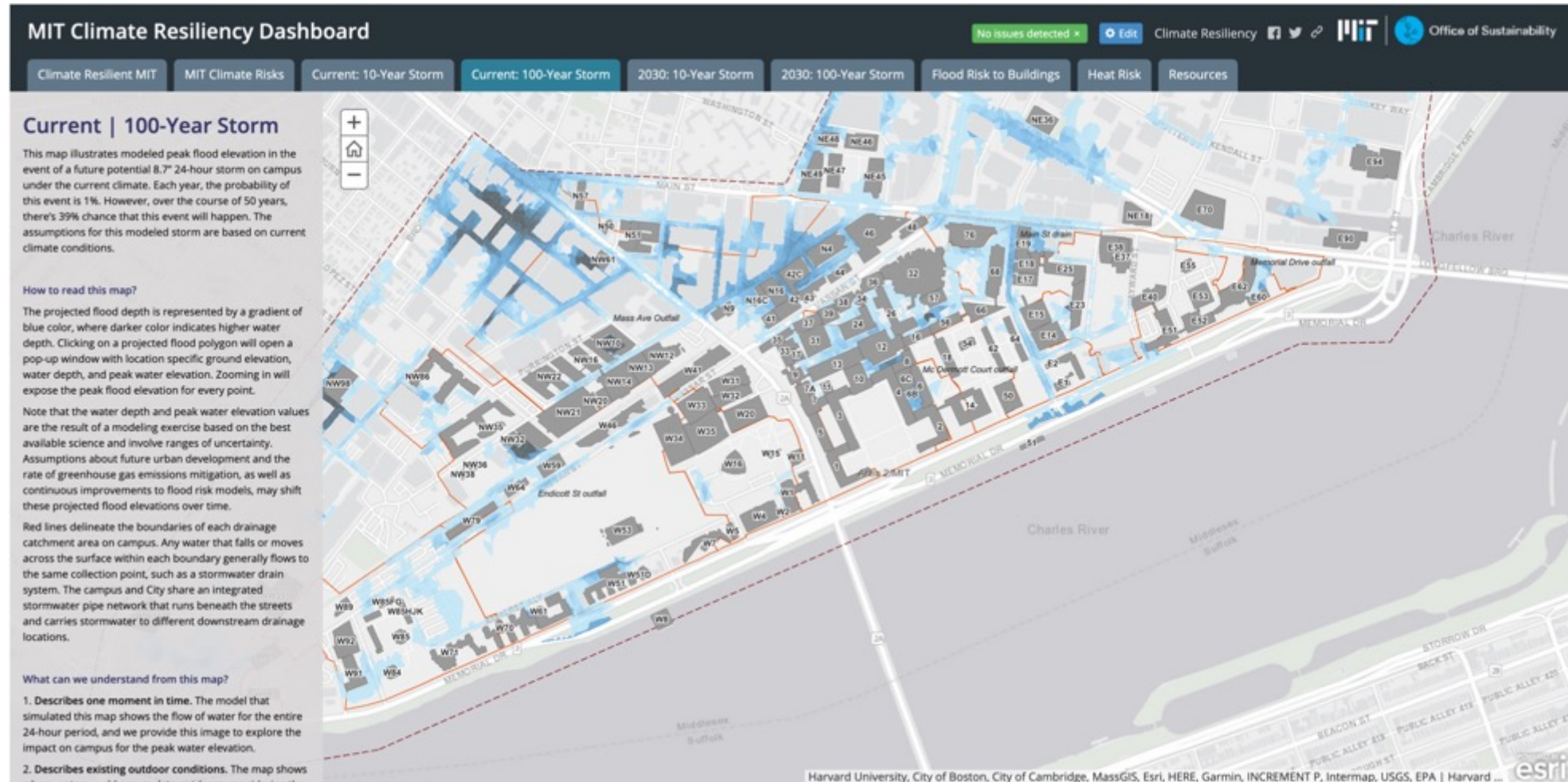


# Electric Vehicle Infrastructure

- Initiate the conversion of campus shuttle bus vehicles to zero-emission buses by 2026.
- Increase campus car-charging stations by a minimum of 200% (from 120 to 360) by 2026.
- All future MIT fleet purchases of light-duty vehicles will be zero emission, subject only to availability.



# Modeling Shared Data: Campus + City





# Net-zero Alignment

YOU

MIT: Net-Zero by 2026/2050

Cambridge /Boston: Net-Zero by 2050

Massachusetts: Net-Zero by 2050

Net-Zero by 2050

# Community Support

Sarah Gallop

Co-Director, Office of  
Government & Community  
Relations





TO: Clifford Cook, Data Manager  
Cambridge Community Development Department

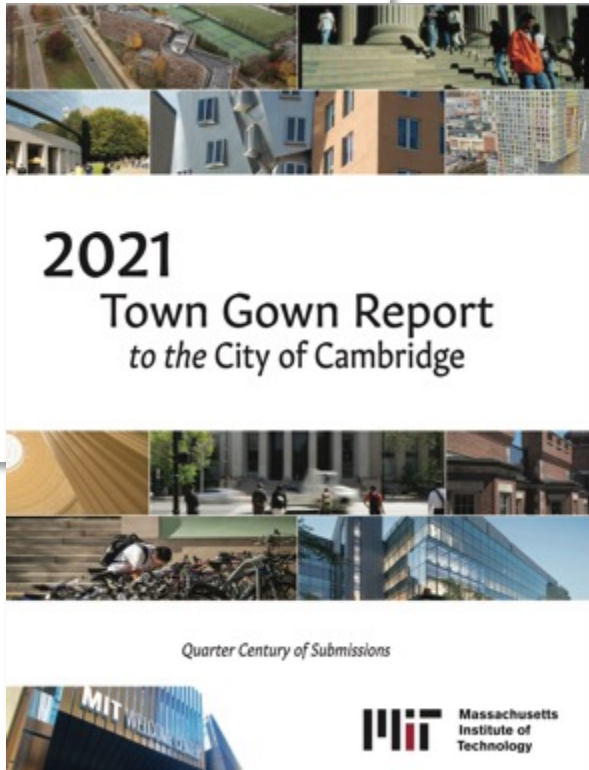
FROM: Sarah Gallop, Office of Government and Community Relations

DATE: May 29, 1998

RE: Town-Gown Report for 1997

On behalf of MIT, I am pleased to transmit to the City of Cambridge the attached Town-Gown Report for 1997. If you have any questions about the contents of this submittal, please contact me at 253-0942.

Thank you.



# Quarter Century of Town Gown Submissions

1997



Housing



Sustainability



Building activity



Transportation



City collaboration



Notable milestones

2021

# Diversity, Equity, and Inclusion

*On Campus and in  
the Community*



Strategic Action Plan for  
Diversity, Equity, and  
Inclusion



Inclusion Drives  
Innovation



Volpe Equity and Inclusion  
Workshops



Small and  
Diverse  
Business  
Program



# Open Space Programming

- Programs and events
- Collaborations and community partners
- 'A Community Reflects' public art
- Future programs





# MIT and Cambridge Public Schools

- Selected current initiatives:
  - City of Cambridge Global Local Challenge
  - MIT Impact Scholarships
  - Scanning Electron Microscope Explorations with CPS
  - Charles River Floating Wetlands Educational Kits
- Pathways to Invention
- Community collaborators



# The Job Connector by MIT



- Virtual and in-person programming
- My Brother's Keeper partnership
  - Career Pathways
  - Summer Youth Empowerment Program
- 2020-2021 Workshops
  - Prepare for it Now
  - Career Readiness
  - Introduction to Construction and the Building Trades





Thank you!

