



HOLWORTHY
GATE
IN MEMORY OF
DEAR OLD TIMES

2024

Town Gown Report



HARVARD
UNIVERSITY

for the
City of Cambridge
Planning Board

Introduction

Campus Planning and Projects

Campus Sustainability

**Harvard in the
Community**

2024

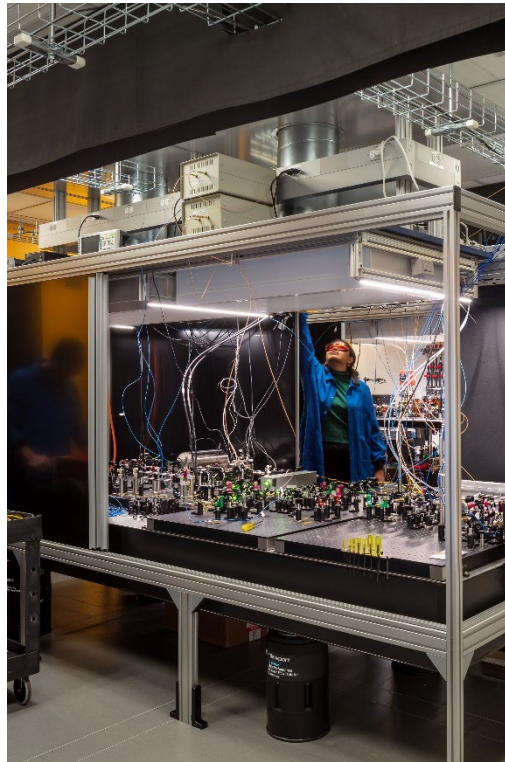
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Harvard's campus in Cambridge

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Harvard Schools

Harvard's Schools and Institutes in Cambridge include:

Harvard College

Harvard Divinity School

Harvard Division of Continuing Education

Harvard Graduate School of Arts and Sciences

Harvard Graduate School of Design

Harvard Kennedy School

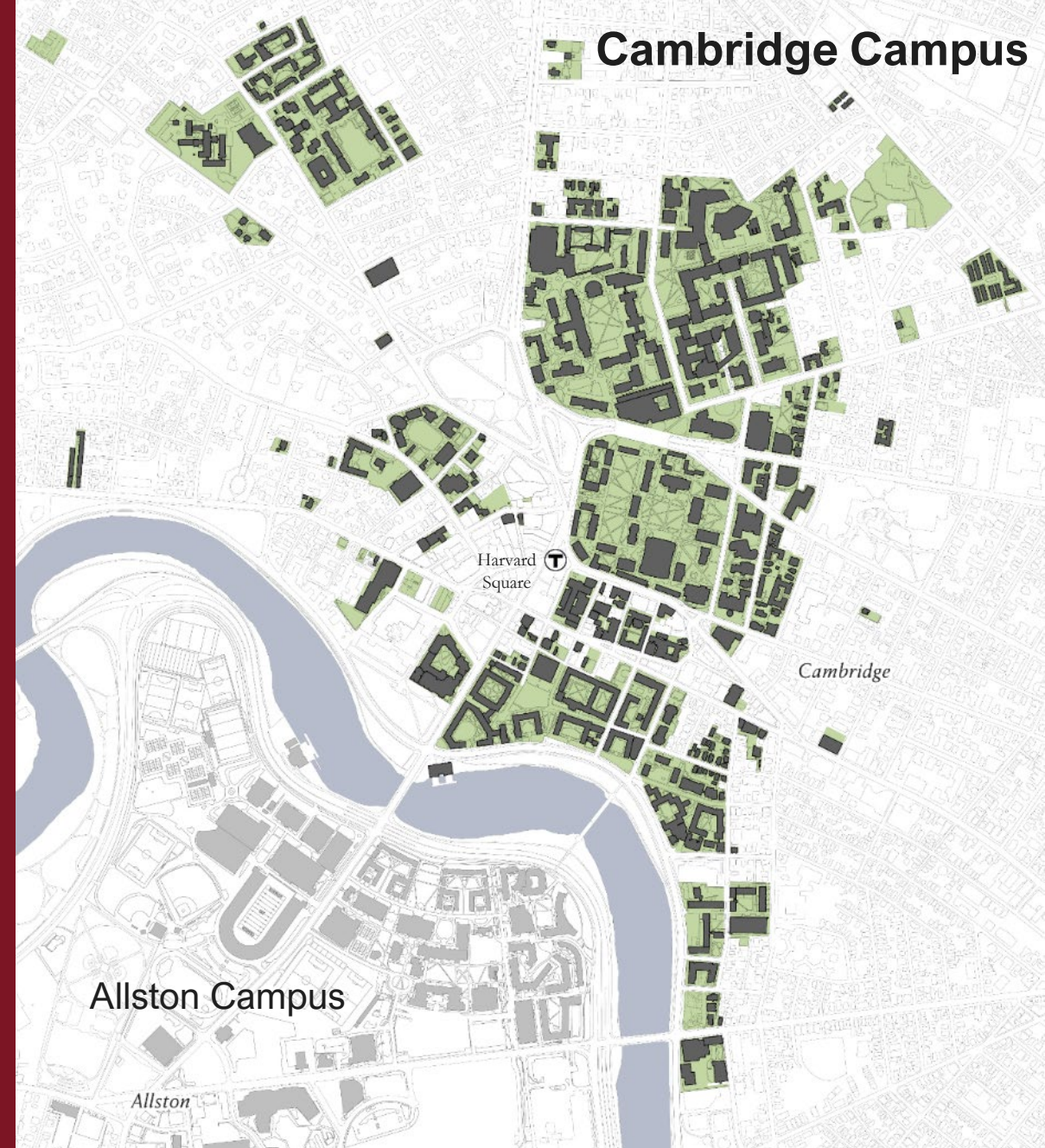
Harvard Faculty of Arts and Sciences

Harvard Graduate School of Education

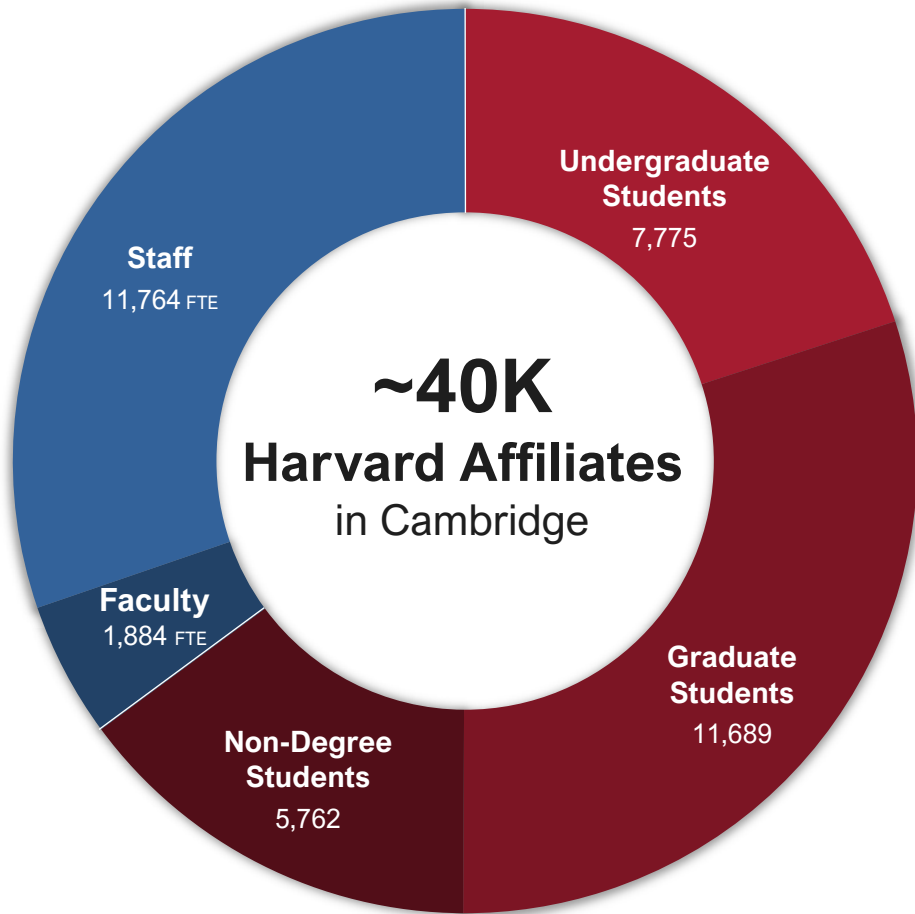
Harvard John A. Paulson School of Engineering and Applied Sciences

Harvard Law School

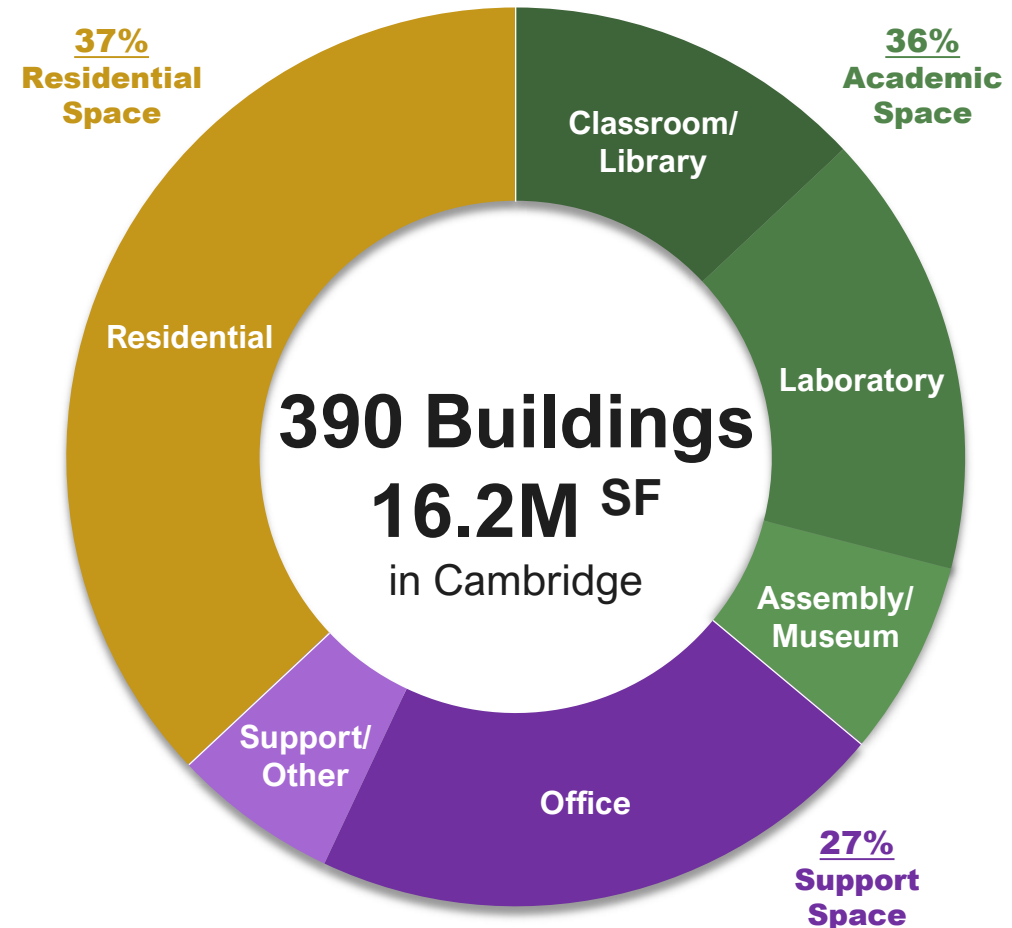
Harvard Radcliffe Institute



University Population



Campus Facilities



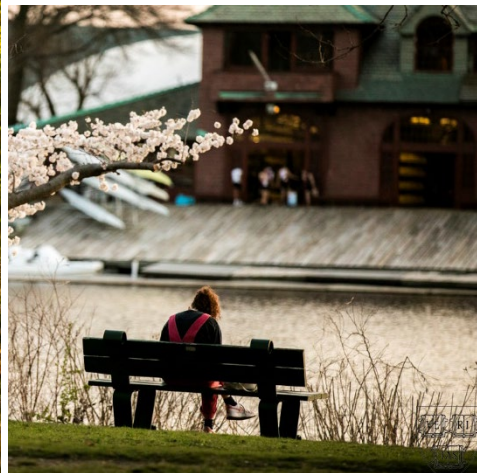
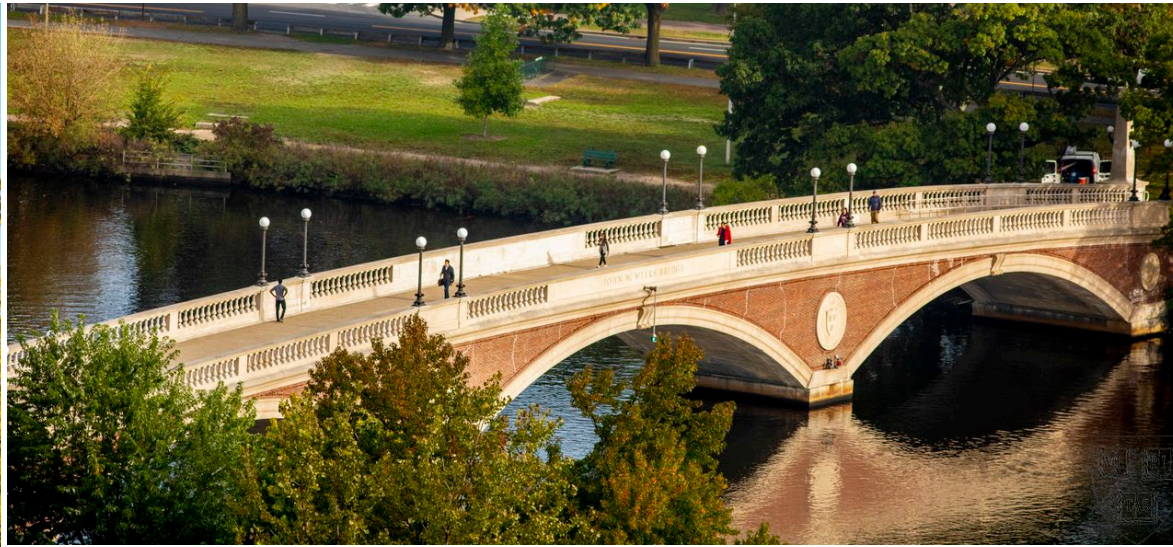
Campus Context

Harvard Square



Campus Context

Charles River

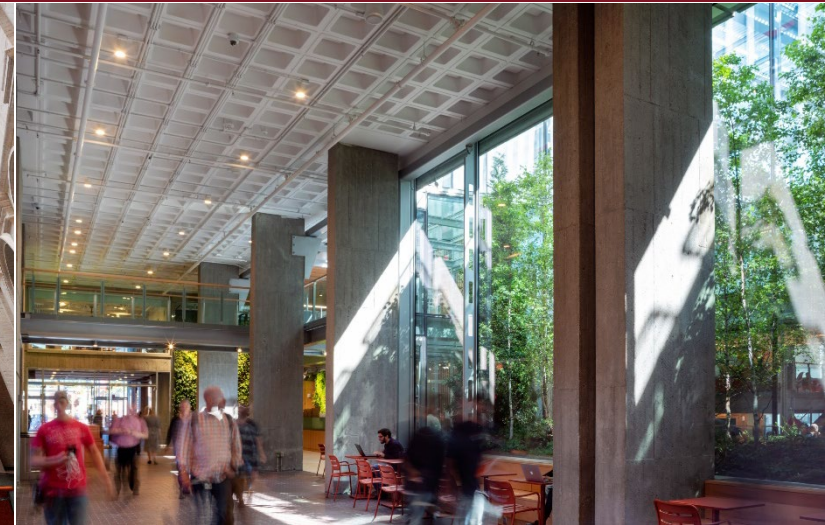


Campus Context

Open to Public



- Campus Open Spaces
- Harvard Art Museums
- Harvard Museums of Science and Culture
- Performance Theatres
- Libraries and Research Centers
- Carpenter Center for the Visual Arts
- Galleries and Exhibits
- Smith Campus Center
- Memorial Church
- Harvard Athletics



Planning Principles



- **Campus Character**
- **Community**
- **Equity**
- **Connectivity**
- **Public Realm**
- **Sustainability**
- **Stewardship**



Current Projects

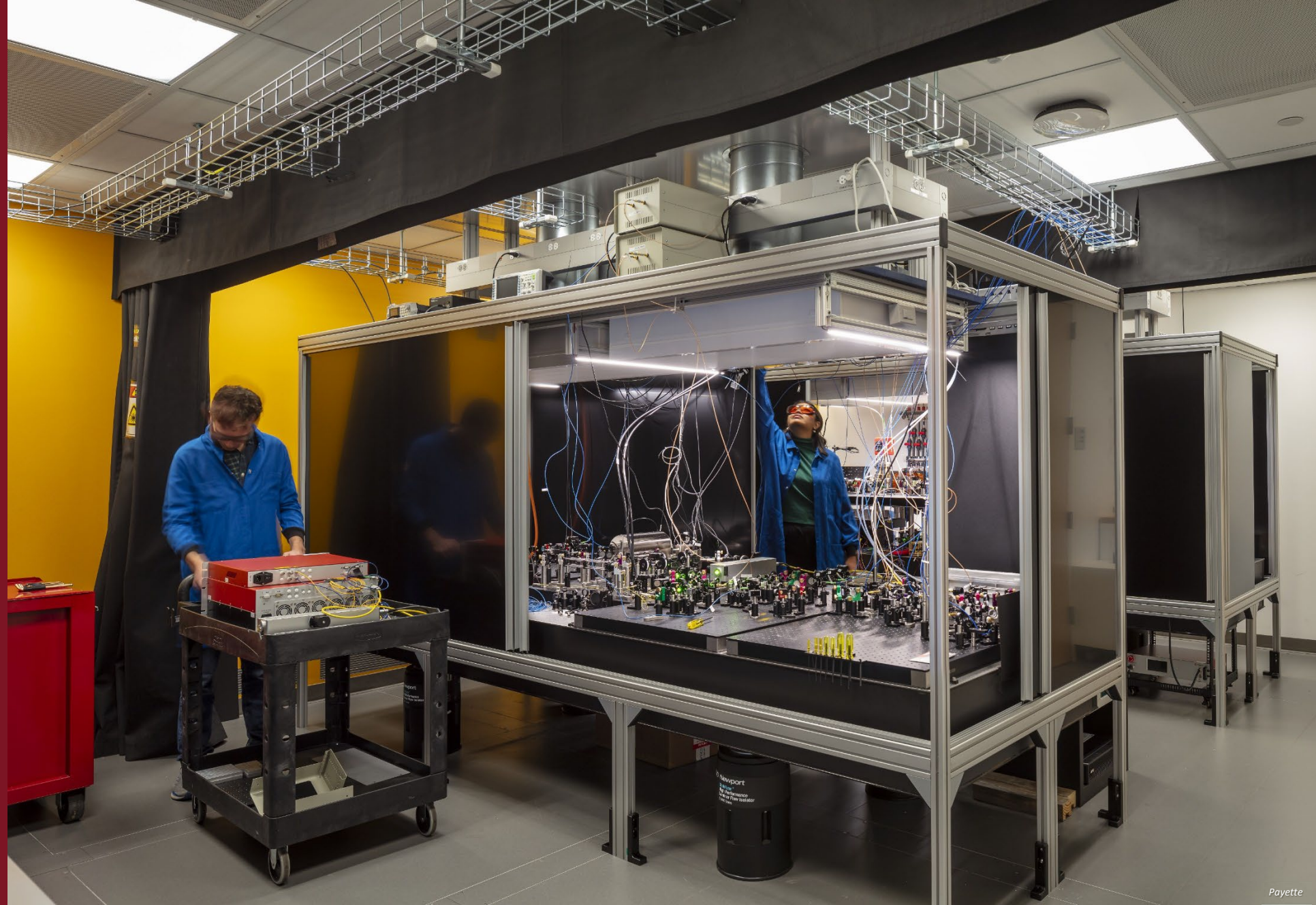


- **60 Oxford Street**
- **Gund Hall**
- **Economics Building**
- **House Renewal**
- **12-30 Palmer Street**
- **William James Hall**

60 Oxford St.

David E. and Stacey L. Goel Quantum Science and Engineering Building

Recently completed state-of-the-art laboratories optimized for quantum science and engineering (QSE) research



Gund Hall

Phase I of building envelope rehabilitation completed

Advanced envelope technology within a modernist preservation context



Economics Building

New home of Harvard
Dept. of Economics

Physical
transformation of the
character of gateway
to the north campus



House Renewal

Adams House
nearing completion

Eliot House
planning underway.
Construction start in
2025.



William James Hall

Plaza Transformation

- New accessible path to entry
- New trees and plantings
- Enhanced public realm

In construction



Michael Van Valkenberg Associates

12-30 Palmer Street

Re-envisioning building for new use

- Active ground floor uses, street furniture, planters
- Vibrant façade
- Opportunities for art and live performances

In construction

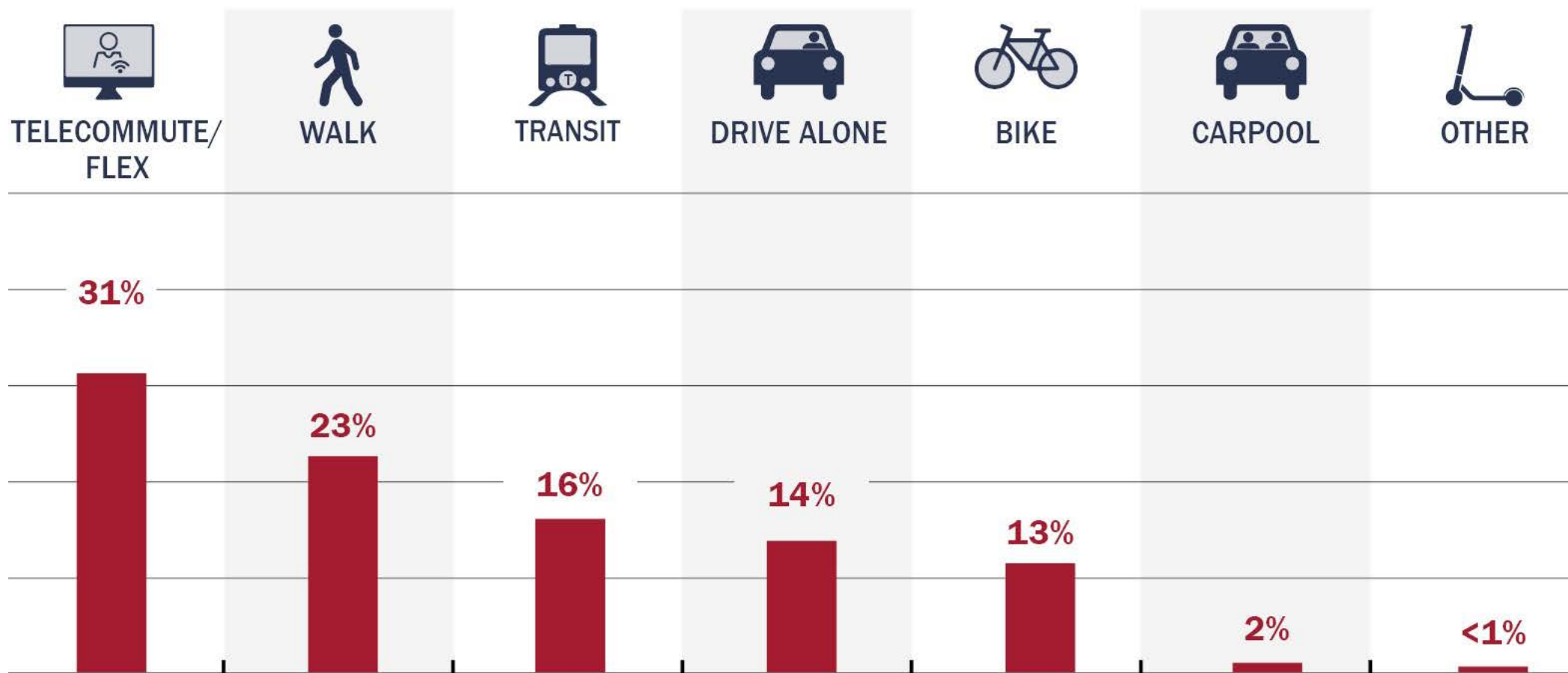


Baker Design Group

Transportation



2024 Commute Mode Share



Allston Update



Enterprise Research Campus



The David E. and Stacey L. Goel Center for Creativity & Performance and Affiliated Housing



Harvard University Planning and Design

Campus Sustainability

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CLIMATE & SUSTAINABILITY SALATA INSTITUTE RESEARCH AND TEACHING



2022: \$200M gift launched Salata Institute focused on research & teaching for global climate solutions.



2024 ACHIEVEMENTS BY THE SALATA INSTITUTE INCLUDE:



44

Research initiatives

Focused on climate & sustainability across many of Harvard's 12 graduate & professional Schools.



220

Courses

Focused on climate change, energy, and sustainability



214

Faculty associates

Leading on climate & sustainability through the Salata Institute.



46

Internships

Supported by the Harvard Climate Internship Program & the Salata Climate Policy Summer Internship Program



54

Travel grants

Supported through independent and collaborative projects

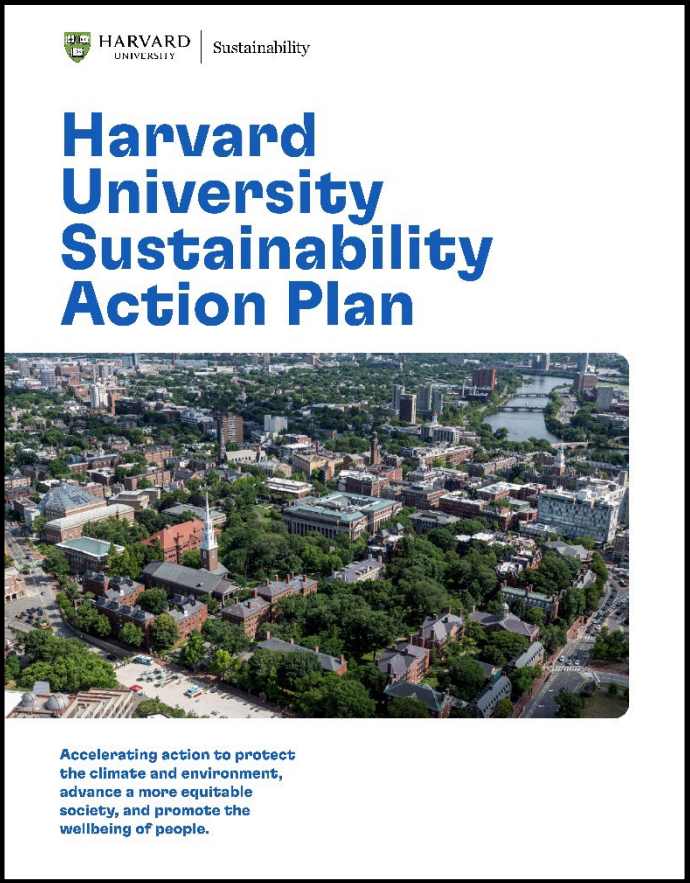


360

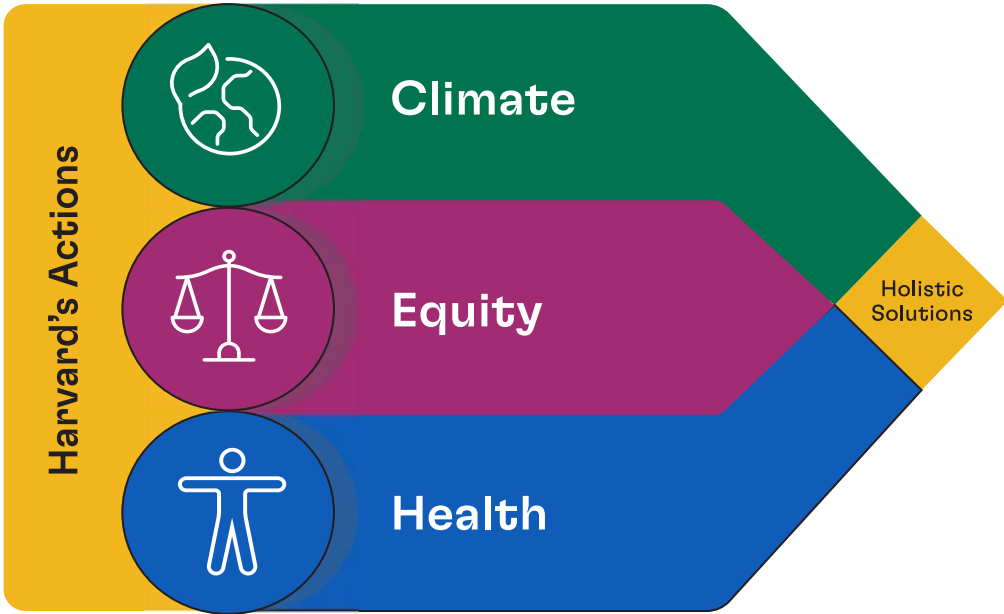
Students

Supported through independent and collaborative projects

ADVANCING SUSTAINABILITY ACTION



High-level vision and holistic framework built around climate, equity, and health



sustainable.harvard.edu/our-plan

DRIVING ACTION & INNOVATION AT HARVARD



GOALS



POLICIES



PROGRAMS



PLANNING



ADVANCING CLIMATE ACTION GOALS



FOSSIL FUEL-FREE BY 2050

FOSSIL FUEL-NEUTRAL BY 2026

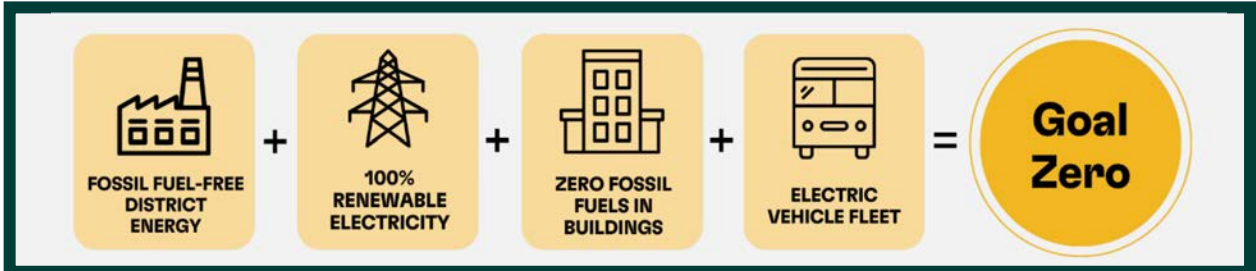
SCOPE 3 EMISSIONS TARGETS
FOOD & EMBODIED CARBON IN CONSTRUCTION

CLIMATE RESILIENCY

**30% ABSOLUTE GHG REDUCTION
ACHIEVED IN 2016**



FFF BY 2050:



SCOPE 3 GOALS:

Food	Embodied Carbon
25% reduction in food emissions by 2030 (set in 2019) Inaugural Global Coolfood Pledge signatory	20% cut in embodied carbon in major capital projects (2024)

RENEWABLE ENERGY CONSORTIUM HELPING DEVELOP NEW, UTILITY-SCALE RENEWABLE ELECTRICITY WITH CITY OF CAMBRIDGE, MIT, MGB, & OTHER NON-PROFITS



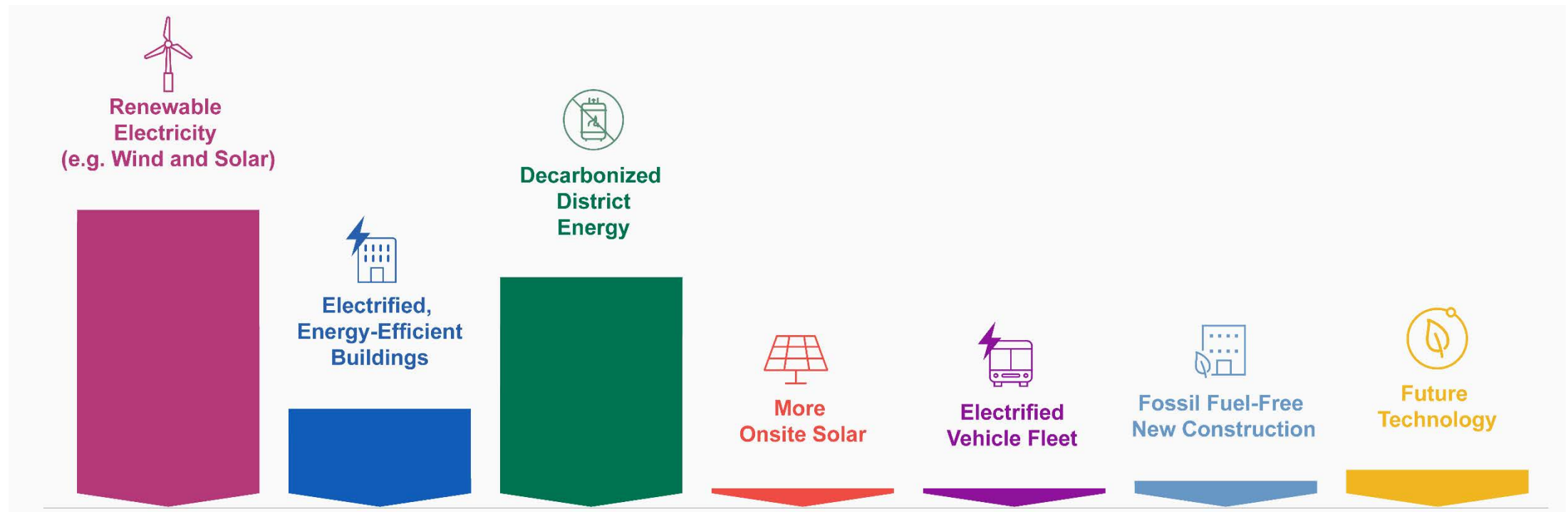
Equivalent of 100% Of Harvard's Electricity Use
1 Million metric tons GHG emissions per year avoided

Providing clean power equal to the annual electricity use of 130,000 homes

The screenshot shows a news article from The Harvard Gazette. The top navigation bar includes links for Findings, Campus & Community, Health, Science & Tech, and Nation & World, along with a menu icon and a search icon. The article is categorized under 'CAMPUS & COMMUNITY' and features a large headline: 'Harvard, MIT, Mass General form renewable energy collaboration'. The background of the article header is an aerial photograph of a large solar farm with rows of solar panels stretching across a field.

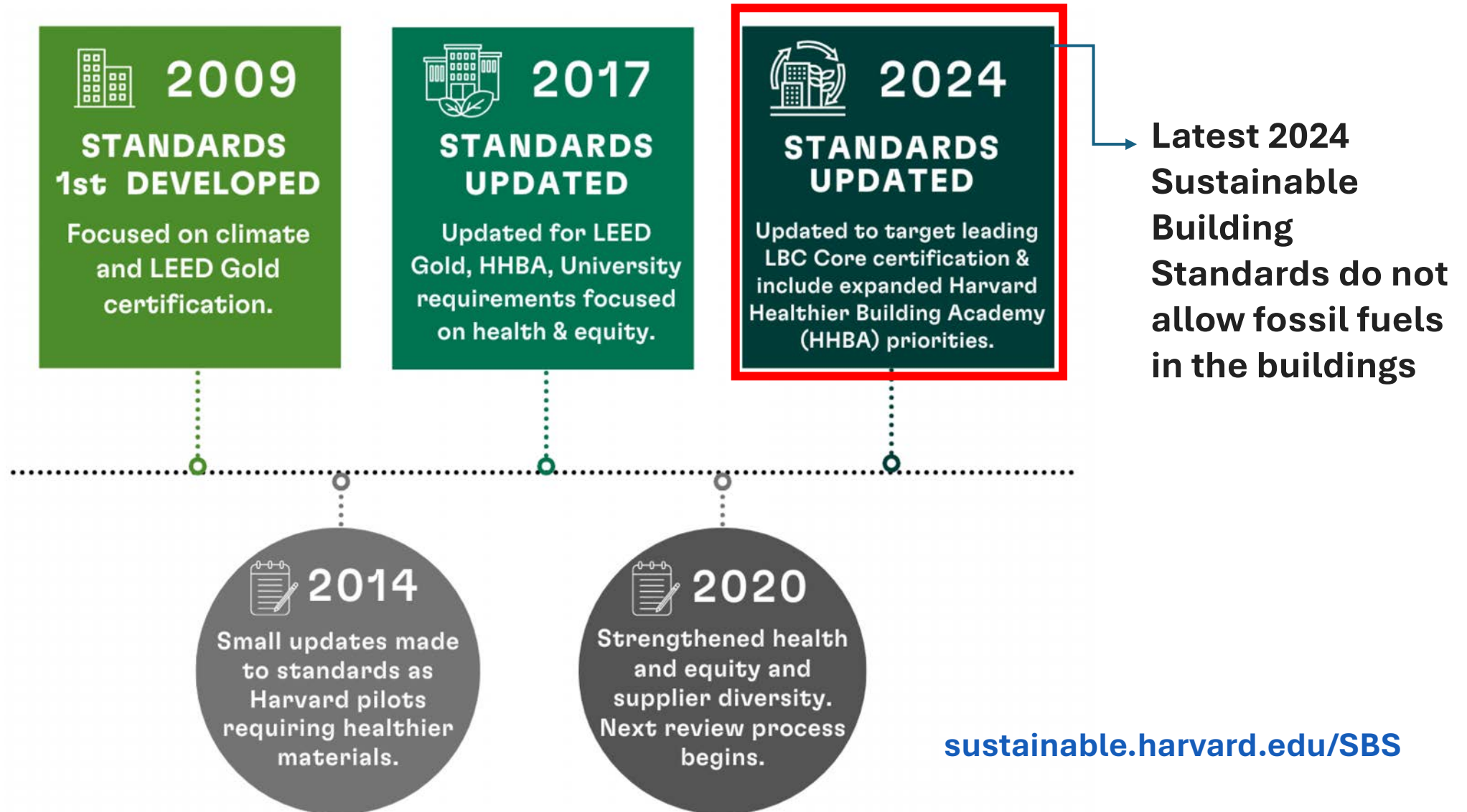
sustainable.harvard.edu/power

PORTFOLIO OF ACTIONS TO GET TO ZERO BY 2050



sustainable.harvard.edu/power

UPDATED SUSTAINABLE BUILDING STANDARDS



UPDATED STANDARDS (2024) TARGET LIVING BUILDING CHALLENGE CORE



- Holistic sustainability certification scheme addressing climate, health & equity
- Latest Sustainable Building Standards do not allow fossil fuels in the buildings



CORE
GREEN BUILDING
CERTIFICATION



01 Ecology
of Place



02 Human
Scaled Living



03 Responsible
Water Use



04 Energy &
Carbon Reduction



05 Healthy Interior
Environment



06 Responsible
Materials



07 Universal
Access



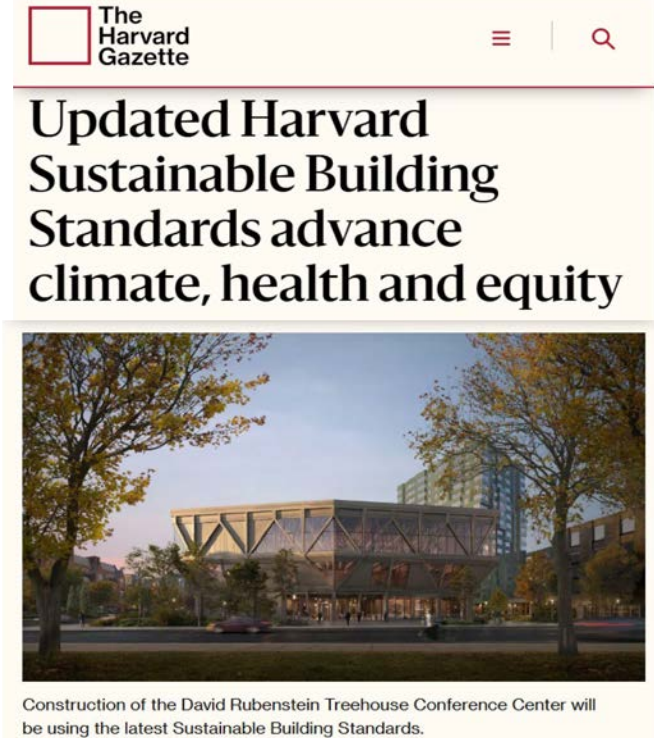
08 Inclusion



09 Beauty &
Biophilia



10 Education &
Inspiration



sustainable.harvard.edu/SBS

UPDATED STANDARDS (2024) HEALTHIER BUILT ENVIRONMENT TARGETS



Harvard's Healthier Building Academy Since 2016



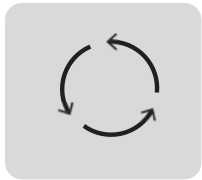
- **Goal:** Address health and equity in buildings and supply chain.
- Translate research into practice for impact on-campus and globally



2024 EXPANDED HARVARD'S GREEN REVOLVING FUND FROM \$12M TO \$37M



Zero interest loans for Harvard Schools & Business Units to accelerate building decarbonization:



Energy efficiency & heat recovery



Electrification (replacing fossil fuel equipment at end-of-life)



On-site solar photovoltaics

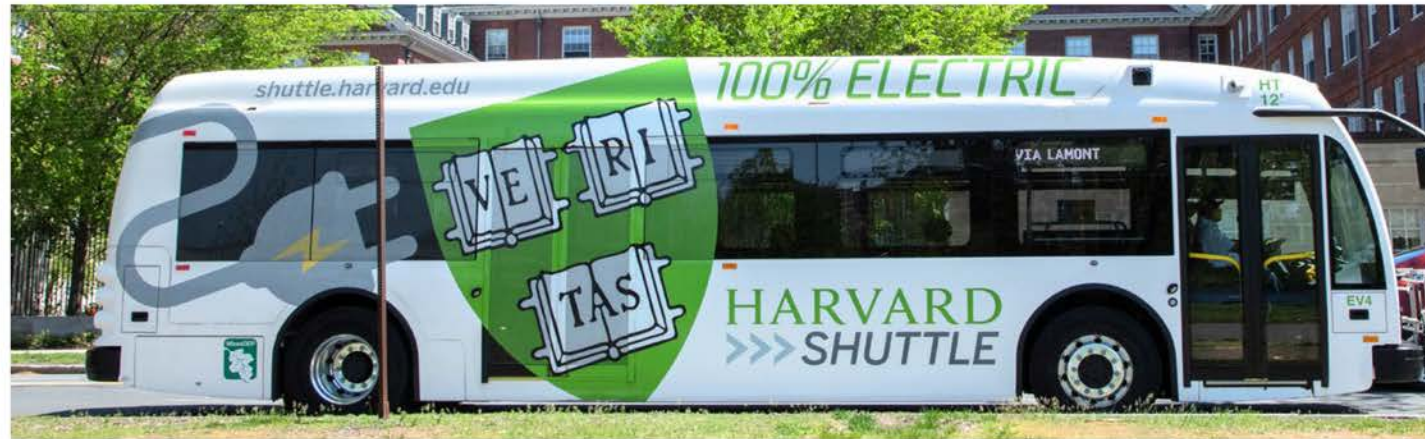


Harvard Expands Green Revolving Fund to support campus decarbonization



sustainable.harvard.edu/GRF

EXPANDING ELECTRIC VEHICLE FLEET



220k 
pounds

estimated CO2
emissions
averted

73% 
more efficient

EV bus MPGe vs.
diesel MPG

15 EVs 
total on campus

Harvard's
Electric Vehicle
fleet

13.7K 
miles

Traveled yearly
by EV buses

55 EV 
parking stations

on Harvard's
campus

TRANSPARENCY: SHARING OUR LEARNING TO SCALE SOLUTIONS



100% renewable energy

By 2026, Harvard will address 100%



3 MW of on-site solar

Harvard currently has 3 MW of solar photovoltaic



40% decrease in carbon emissions per sq. ft., 2006-2023



Passive House Institute US

2 PHIUS



150 LEED



1 LBC Petal

Explore Harvard's Annual Sustainability Report:



sustainable.harvard.edu/annual-report

Harvard in the Community

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HARVARD
UNIVERSITY

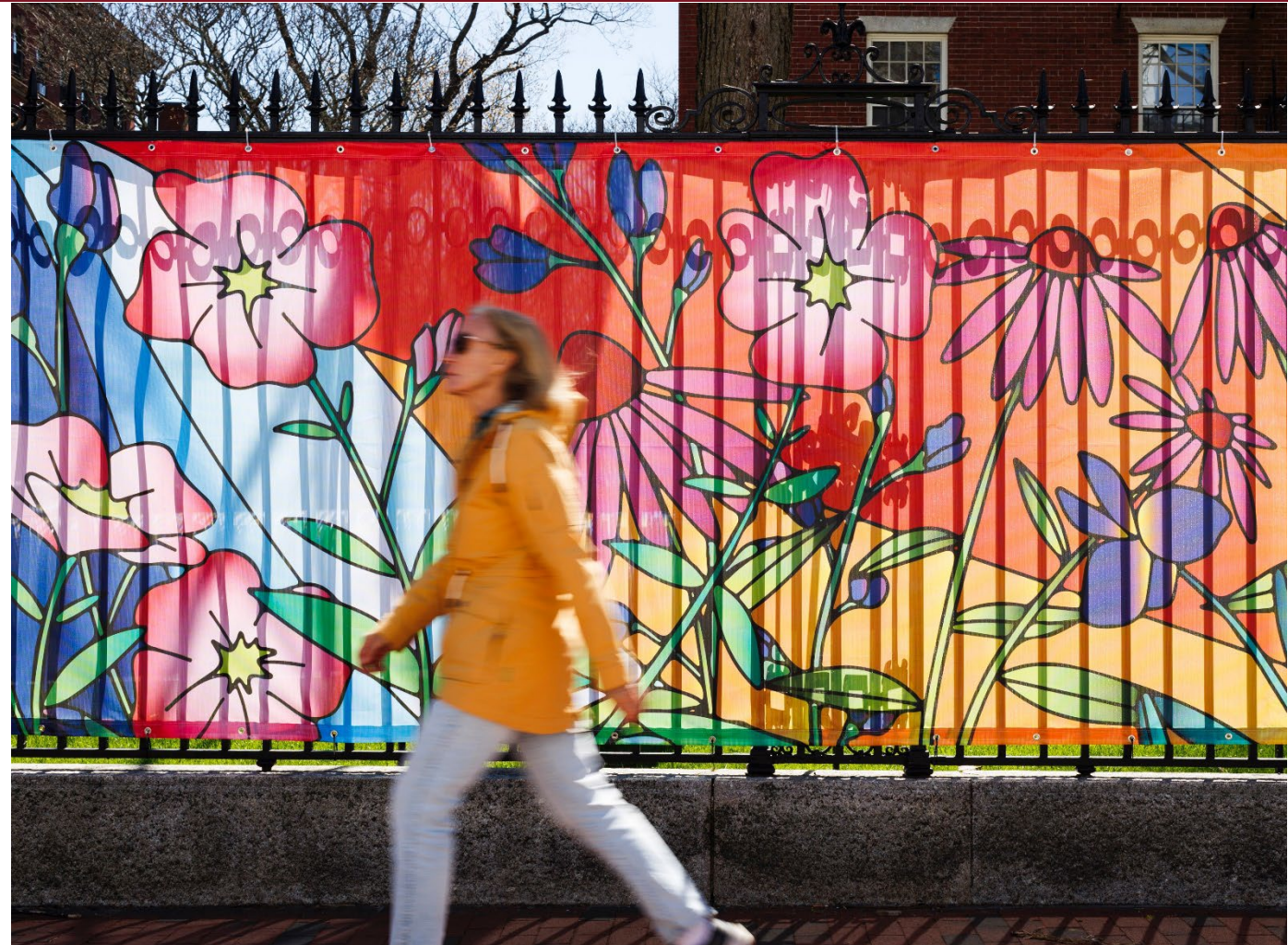
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Harvard in the Community



Key Areas of Harvard Engagement

- Partnerships with Cambridge Public Schools
- Community Engagement
- Supporting Cambridge-Based Initiatives
- Creating & Preserving Affordable Housing



Partnering with Cambridge Public Schools



- Harvard's educational programs **available in every CPS school for all CPS grade levels and interests.**
- Programs range from **internships to curriculum-based programming**
- **CPS educators can access free professional development workshops & academic coursework**
- Family Engagement and Parent Workshops

Cambridge Students Accepted to Harvard

- **26 students** from Cambridge were accepted to Harvard College last year.
- **113** have been accepted over the last 5 years



Partnering with Cambridge Public Schools



CURRICULUM SUPPORT

College Awareness:

- **All CPS 7th Graders** participate in Project TEACH
- **317 CPS students** attended Harvard Education Day which brings CPS 6th graders in Cambridge to the campus for a day.

Science & STEM

- As part of **Evolution Day**, CRLS students tour labs and meet with scientists to learn about their work and possible STEM career paths.
- The **Science Internship Program** pairs CRLS students with graduate student mentors in research laboratories focusing on marine science and engineering.
- **The Science Research Mentoring Program (SRMP)** provides an opportunity for high school students to work on a year long independent research project in astrophysics under the guidance of a Harvard or MIT scientist

Leadership Programs

- The **Radcliffe Emerging Leaders Program** is a youth leadership development program that connects CRLS sophomores with Harvard undergraduates for year-long mentoring.



Partnering with Cambridge Public Schools



EDUCATION EQUITY INITIATIVES

Addressing the Achievement Gap at CRLS:

- The **Cambridge Harvard Summer Academy** is funded by Harvard University and takes place every summer at CRLS

Intensive Support for Minority and Underserved Students

- The **Equity in Design Mentorship Program** is a 10-week academic and professional mentorship program affiliated with the Harvard Graduate School of Design
- **Crimson Summer Academy** provides traditionally underserved high school students with a mix of classes, projects, and cultural activities on Harvard's campus. **94%** of Crimson Summer Academy graduates complete college in 4 years.



Equity Initiatives for Cambridge Residents



Economic Inclusion

- Harvard's **Workforce Development Program** offers innovative and market-driven skills-based programs, workshops, and events that support **Cambridge residents** in their professional and career goals.
- Office for Economic Inclusion & Diversity, is committed to **cultivating a purchasing environment where diverse and small vendors are welcome and connected**
- Office for Economic Inclusion & Diversity has assembled a collection of resources for small businesses.
- Construction Inclusion Plan, Construction Academy, and Careers in Construction Programs

Supporting minority and women-owned businesses

- **~50%** of the retail tenants leasing space in Harvard-owned buildings in Cambridge are minority or women-owned
- **90%+** of tenants are independently-owned businesses



Supporting Key City Goals & Initiatives



10 years of partnership with Food for Free

- Partnering to help address food insecurity
- **2000+** meals distributed weekly

Pro bono legal services for Cambridge residents

- In FY24, the Clinical and Pro Bono Programs delivered **more than 9,000 hours of free legal services** to Cambridge residents.

Fellowship Programs

- The **James Bryant Conant Fellowship fund** supports the professional growth of outstanding teachers and administrators from Cambridge and Boston Public Schools who are accepted to Harvard Graduate School of Education (HGSE) degree programs
- The **Community Service Fellowship Program** places Harvard Graduate School of Design Fellows with local nonprofits and government agencies
- The **Harvard Joint Center for Housing Studies Summer Fellowship Program** supports community service fellowships for Harvard students obtaining internships or other volunteer opportunities with local nonprofit organizations focused on housing, the built environment, and/or community development



Supporting Key City Goals & Initiatives



- Designed & installed bike lanes from Kirkland Street to Charles River
- Harvard has implemented over \$10M in public realm and infrastructure improvements throughout Harvard Square
- Harvard manages and maintains five acres of public open space at JFK Memorial Park
- Harvard provides City projects with rent free parking and land for material storage, saving the City millions of dollars on capital projects
- During winter storm events, Harvard creates a snow farm for the City to remove and store snow to ensure safety for Cambridge pedestrians and bicyclists
- Harvard provides free parking for Cambridge residents during snow emergencies



Creating & Preserving Affordable Housing



Housing Support for Cambridge Residents

- Long-standing collaboration with Cambridge Housing Authority
- Recommitted **\$20M** to the Harvard Local Housing Collaborative
- The fund has helped enable over \$1 billion in affordable housing development throughout the area

Housing for Harvard Students & Affiliates

- **~500 bed** Harvard University Housing development under construction in Allston
- **99% of undergraduates** live in dorms on campus
- Strategic interventions to create graduate student housing in Cambridge
- **30+ new beds** developed for University Affiliates in Cambridge

Harvard's Housing Partnerships in Allston

- Harvard has worked with the City of Boston and local partners to create **1,300+ new units** of housing in Allston
- Phase A of the ERC is currently under construction, and will include **345 new units** of housing, **25% of which are affordable housing** units.



Resources for Additional Information

PLANNING

Harvard University Planning and Design

www.hupad.harvard.edu

Construction Mitigation

www.construction.harvard.edu

SUSTAINABILITY

Office for Sustainability

www.green.harvard.edu

HARVARD IN THE COMMUNITY

www.community.harvard.edu

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