Planning & Development Priorities

Supporting Academic Programs and Research
Planning & Development Priorities

Housing Harvard’s Affiliates
Planning & Development Priorities

Enhancing the Campus Experience
Promoting Campus-wide Sustainability
Planning & Development Priorities

Improving Campus Infrastructure
Current Projects
Current Projects in Cambridge

- Recently Completed
- In Construction
- In Planning
McKinlock Hall – *House Renewal*

Harvard College

Comprehensive renewal of undergraduate House · *KieranTimberlake*
McKinlock Hall – House Renewal

Recently Completed

Harvard College

Comprehensive renewal of undergraduate House • KieranTimberlake
McKinlock Hall – House Renewal

Recently Completed

Harvard College

Comprehensive renewal of undergraduate House · KieranTimberlake
Comprehensive renewal of undergraduate House · *Beyer Blinder Belle*
Winthrop House – House Renewal

Harvard College

Comprehensive renewal of undergraduate House · Beyer Blinder Belle
Harvard College

1201 Massachusetts Avenue – House Renewal

Recently Completed

Renovation for use as “swing housing” · Beyer Blinder Belle
Renovation for use as “swing housing” · Beyer Blinder Belle
Campus Development

Harvard Kennedy School
Construction of new academic space · Robert A.M. Stern Architects
Construction of new academic space · Robert A.M. Stern Architects
Hutchins Center / The Cooper Gallery

Faculty of Arts and Sciences
Hutchins Center / The Cooper Gallery

Faculty of Arts and Sciences

Renovation of space for a new academic center and gallery · Adjaye Associates

Photo credit: Dean Kaufman
Richard A. and Susan F. Smith Campus Center

Harvard Campus Services
Richard A. and Susan F. Smith Campus Center

Creation of a campus center · Hopkins Architects
Richard A. and Susan F. Smith Campus Center

Harvard Campus Services

Creation of a campus center · Hopkins Architects
32 Quincy Street

Harvard Art Museums
32 Quincy Street

Harvard Art Museums

Substantial renovation and expansion for Harvard Art Museums · Renzo Piano Building Workshop
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Substantial renovation and expansion for Harvard Art Museums · Renzo Piano Building Workshop
32 Quincy Street

Harvard Art Museums

Substantial renovation and expansion for Harvard Art Museums · Renzo Piano Building Workshop
In Planning

Restoration of historic house · Thomas Pfifer and Partners
Longfellow Hall

Harvard Graduate School of Education

Partial renovation and addition · Baker Design Group
Tozzer Anthropology Building

Faculty of Arts and Sciences
Faculty of Arts and Sciences

Comprehensive building renovation and addition · Kennedy & Violich Architecture
Allston Campus

Development Projects

Recently Completed
Construction Underway
Next Phase
Later Phase
Allston Campus

Barry’s Corner – Residential/Retail Project

Continuum
Campus Sustainability
Building a Sustainable Community

• April 2014: President Faust announces $20 million Climate Change Solutions Fund

• March-June 2014: Co-host Green Labs Symposium and International Sustainable Campus Network conference

• May 2014: Secondary field in energy and environment for undergraduates created

• October 2014: Release University-wide Sustainability Plan

• November 2014: Inaugural conference of Harvard Center for Green Buildings and Cities
Driving Sustainability Through Design

- Dedicated to research that drives the development of new design strategies for sustainable building and planning
- Developing new processes, systems, and products that lead to more sustainable, high performance buildings and an enhanced way of life for people in the built environment
- Forming strategic partnerships with peer institutions, cities, governments, and industry thought-leaders with the goal of sharing and disseminating findings
Turning Research into Practice

1. Leverage faculty/student expertise to tackle on-campus challenges
   - HDS/GSD Health Assessment

2. Use campus as living lab for ongoing research
   - HSPH House Renewal study

3. Student sustainability grants to fuel innovation
   - Automating energy reduction in labs, rooftop stormwater modules
“Students arriving today ought to leave Harvard with a deeper understanding of the complexity of sustainability challenges and be ready to address them no matter where their lives may lead.”

- President Drew G. Faust
Fostering Collaboration and Shared Solutions

- Cambridge Compact for a Sustainable Future
- Net Zero Task Force, Climate Change Vulnerability, Building Energy Use Disclosure Ordinance
- Hosted Green Labs Symposium, International Sustainable Campus Network Conference
Our Goals

**Greenhouse gas emissions**
- 30% REDUCTION BY 2016
- 21% REDUCTION in greenhouse gas emissions including growth and renovation (FY06-FY13)
- 31% REDUCTION in greenhouse gas emissions excluding growth (FY06-FY13)

**Waste per capita**
- 50% REDUCTION BY 2020
- 53% of total University waste recycled or composted in FY13

**Water use**
- 30% REDUCTION BY 2020
- 23% reduction in water use from FY06-13

**Landscaping**
- 75% ORGANIC BY 2020
- Organic landscaping on over 90 acres, including Harvard Yard
Energy Efficiency

- Energy planning incorporated in 5-year capital planning process
- Energy audits on 100% of energy intensive space
- Green Revolving Fund accelerated 200 projects with $5.4 million in savings
- Over 1,300 energy conservation measures implemented
- Optimizing building performance: $3.15 million saved at LISE lab building since 2009, $990,000 in savings from additional projects at HMS, HBS, and HSPH
Green Building Commitment

• Highest number of LEED certifications than any other higher education institution in the world according to USGBC: 97 LEED certifications (65 in Cambridge) including Stone Hall (LEED Platinum) and Harvard Art Museums (LEED Gold)

• Updated Green Building Standards released in 2014:
  • Healthy materials disclosure requirements
  • Evaluate feasibility of Net Zero and Living Building Challenge
  • Specialized guidelines for energy intensive lab and IT spaces
Additional Sustainability Highlights

• **11.2% SOV rate**, 82% commuters took transit, biked or walked. Bicycle commuter benefits, and discounted Hubway memberships / MBTA passes.

• Recognized as **Gold Level Bike Friendly University** (highest ranked in New England and Ivy League)

• All dining halls **Green Restaurant Certified** and University-wide **Food Better Campaign** launches to spark multi-disciplinary dialogue on food system

• Harvard employees and students took 100,000+ **Hubway** trips in 2014 covering 133,000+ miles. Harvard supports 7 Hubway stations in Cambridge (12 system-wide).

• Newest **solar PV** project on roof of HDS Center for the Study of World Religions
Resources for Additional Information

PLANNING

Harvard Planning & Project Management
www.hppm.harvard.edu

Allston
www.evp.harvard.edu/allston

Construction Mitigation
www.construction.harvard.edu

SUSTAINABILITY

Office for Sustainability
www.green.harvard.edu

Green Building Resource
www.green.harvard.edu/theresource

Green Office Program
www.green.harvard.edu/green-office

HARVARD IN THE COMMUNITY

www.community.harvard.edu