

WOMEN AND PUBLIC POLICY PROGRAM

79 JOHN F. KENNEDY STREET CAMBRIDGE, MA 02138
Harvard Kennedy School

LEED FOR COMMERCIAL INTERIORS v2009

LEED CERTIFIED
4/30/2012

The Harvard Kennedy School (HKS), Women and Public Policy Program's (WAPPP) mission is to increase gender quality and improve the lives of women and men across the world by creating and sharing knowledge that helps close gender gaps in economic participation, political opportunity, health and education. Specifically, the WAPPP staff work to conduct and support research, train leaders across all sectors, organize and host guest speakers and events, and support students' development to become effective policy makers.

The project was a complete renovation of the existing WAPPP Office during the summer of 2010. The goal of the 2,630 square foot renovation was to reconfigure and optimize existing square footage to accommodate not only existing space needs, but also the need fit additional support space within the existing office footprint. In addition to space needs, the WAPPP Office the renovation allowed for a general "face-lift" to reflect the Program's prominent position on a national and international level. The renovation included painting, removal of old carpeting, and the addition of a kitchenette and main entry space.

Because of the project's tight budget, expedited timeline and small scope the project was not originally pursuing LEED certification; however, HKS clearly demonstrated their commitment to sustainability by requiring that both the Harvard Green Building Standards and LEED Credit Standards be included in the construction documents released for Contractors to reference in generating their bid proposals. Because of this commitment, the project was ultimately able to achieve LEED certification.



Photo: Kate Dukat, Baker Design Group. March 2011.

LEED® Facts

Women and Public Policy Program

Harvard Kennedy School



Location.....	Cambridge, MA
Rating System.....	LEED-CI v3.0
Certification Achieved.....	Certified
Total Points Achieved.....	49/110
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Sustainable Sites.....	19/21
Water Efficiency.....	8/11
Energy and Atmosphere.....	8/37
Materials and Resources.....	4/14
Indoor Environmental Quality.....	5/17
Innovation and Design.....	3/6
Regional Priority.....	2/4

PROJECT METRICS

15% Energy Cost Savings
Compared to ASHRAE 90.1-

36% Water Use Reduction
Compared to EPACT 1992 baseline

83% Construction Waste Recycled
Diverted from Landfill



PROJECT OVERVIEW

WOMEN AND PUBLIC POLICY PROGRAM FLOOR PLAN

Design: Baker Design Group. March 2011

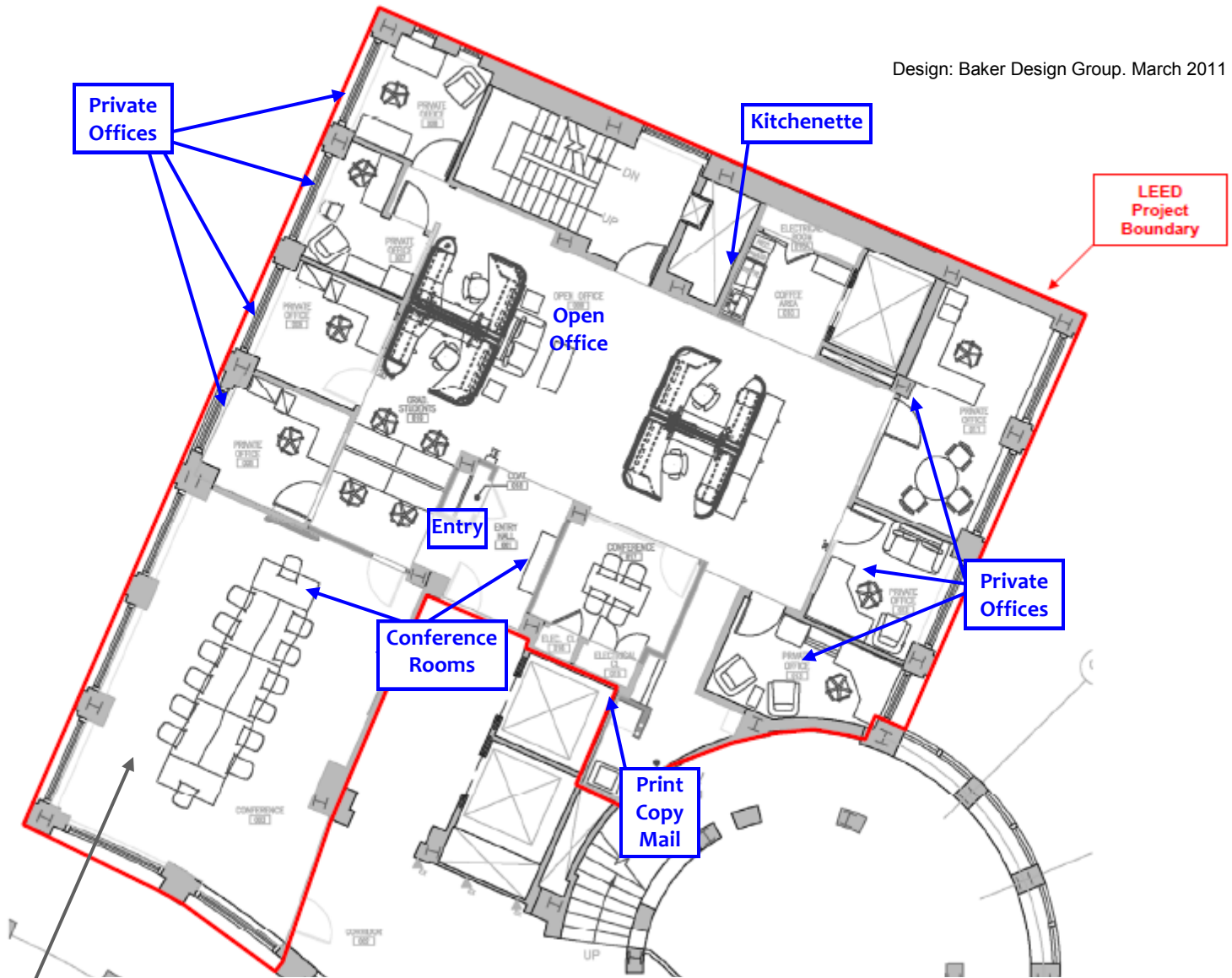


Photo: Kate Dukat, Baker Design Group. March 2011.



ENERGY EFFICIENCY

The project included very minimal Mechanical and Electrical scope; however, where possible, the project team incorporated energy efficiency measures in support of the commitment, along with Harvard University as a whole, to reduce greenhouse gas emissions 30% below 2006 levels by 2016, inclusive of growth.

MECHANICAL SYSTEMS

ECM 1: Demand Control Ventilation

Volume of outside air supplied to the two conference rooms is controlled by a CO2 sensor. The CO2 sensor increases ventilation rates as it senses an increase in CO2 levels, which occurs as more people occupy the room.

ELECTRICAL SYSTEMS

ECM 1: Occupancy Sensors

Occupancy sensors are installed in all spaces to turn the lights on, or off, based on actual occupancy. Occupancy Sensor time delay is set at 20 minutes to shut-off lights.

INDOOR ENVIRONMENTAL QUALITY—LOW EMITTING MATERIALS

The Women and Public Policy Program is committed to providing a healthy indoor environment for all occupants, products selected for the project contained low, or no Volatile Organic Compounds (VOCs).

Product Category	Product & Manufacturer	VOC Content (g/l)	VOC Limit (g/l)	Standard
Paints & Coatings	› EcoSpec F37204 / Interior Latex Primer / Benjamin Moore	0	150	Green Seal, GS-11, 1993
	› EcoSpec 374 / Water Thinned Paint / Benjamin Moore	0	150	Green Seal, GS-11, 1993
Adhesives & Sealants	› Stix 2230 / Indoor Carpet Adhesives / XL Brands	0	50	SCAQMD 1168, 2005
	› Power Tape Adhesive / VCT & Asphalt Adhesive / Johnsonite	0	50	SCAQMD 1168, 2005

RECYCLED / REGIONAL MATERIALS*



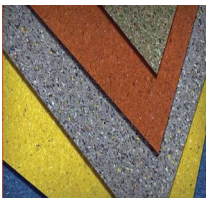
Ultima Acoustical Ceiling Tile - Armstrong

- **Recycled Content**
4% Post-Consumer
67% Pre-Consumer



Metal Framing - Clark Western

- **Recycled Content**
26% Post-Consumer
7% Pre-Consumer



Premium Tile (VCT Flooring) - Mannington Commercial

- **Recycled Content**
25% Post-Consumer
- **Regionally Manufactured**
298 Miles - Salem, NJ
- **Low Emitting Material**
FloorScore Certified



Mirra Office Chair - Herman Miller

- **Recycled Content**
33% Post-Consumer
17% Pre-Consumer
- **Low Emitting Material**
GreenGuard Certified

*Please note that while many products are described in this project profile, these are provided for informational purposes only to show a representative sample of what was included in this project. Harvard University and its affiliates do not specifically endorse nor recommend any of the products listed in this project profile and may not be used in commercial or political materials, advertisements, emails, products, promotions that in any way suggests approval or endorsement of Harvard University.



PROJECT TEAM

Owner	Harvard Kennedy School
Owner's Rep	CSL Consulting, LLC
Architect	Baker Design Group
Contractor	Lee Kennedy Construction Inc.
HVAC Engineer	Engineering Solutions Inc.
Commissioning Authority	MAW Consulting, Inc.
Sustainability Consultant	Harvard Green Building Services

MORE INFORMATION

Women and Public Policy Program

<http://www.hks.harvard.edu/centers/wappp>

Harvard Kennedy School

<http://www.hks.harvard.edu/>

Harvard Green Building Services

<http://green.harvard.edu/green-building-services>

Harvard Green Building Resource

<http://green.harvard.edu/theresource>

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Photos: Kate Dukat, Baker Design Group. March 2011.





LEED 2009 for Commercial Interiors

Project Checklist

19 2 Sustainable Sites Possible Points: 21

Y	?	N			
3			2	Credit 1	Site Selection 1 to 5
6				Credit 2	Development Density and Community Connectivity 6
6				Credit 3.1	Alternative Transportation—Public Transportation Access 6
2				Credit 3.2	Alternative Transportation—Bicycle Storage and Changing Rooms 2
2				Credit 3.3	Alternative Transportation—Parking Availability 2

8 3 Water Efficiency Possible Points: 11

Y				Prereq 1	Water Use Reduction—20% Reduction
8			3	Credit 1	Water Use Reduction 6 to 11

8 29 Energy and Atmosphere Possible Points: 37

Y				Prereq 1	Fundamental Commissioning of Building Energy Systems
Y				Prereq 2	Minimum Energy Performance
Y				Prereq 3	Fundamental Refrigerant Management
			5	Credit 1.1	Optimize Energy Performance—Lighting Power 1 to 5
1			2	Credit 1.2	Optimize Energy Performance—Lighting Controls 1 to 3
			10	Credit 1.3	Optimize Energy Performance—HVAC 5 to 10
			4	Credit 1.4	Optimize Energy Performance—Equipment and Appliances 1 to 4
			5	Credit 2	Enhanced Commissioning 5
2			3	Credit 3	Measurement and Verification 2 to 5
5				Credit 4	Green Power 5

4 10 Materials and Resources Possible Points: 14

Y				Prereq 1	Storage and Collection of Recyclables
1				Credit 1.1	Tenant Space—Long-Term Commitment 1
			2	Credit 1.2	Building Reuse 1 to 2
2				Credit 2	Construction Waste Management 1 to 2
			2	Credit 3.1	Materials Reuse 1 to 2
			1	Credit 3.2	Materials Reuse—Furniture and Furnishings 1
1			1	Credit 4	Recycled Content 1 to 2
			2	Credit 5	Regional Materials 1 to 2
			1	Credit 6	Rapidly Renewable Materials 1
			1	Credit 7	Certified Wood 1

5 12 Indoor Environmental Quality Possible Points: 17

Y	?	N			
Y				Prereq 1	Minimum IAQ Performance
Y				Prereq 2	Environmental Tobacco Smoke (ETS) Control
			1	Credit 1	Outdoor Air Delivery Monitoring 1
			1	Credit 2	Increased Ventilation 1
1				Credit 3.1	Construction IAQ Management Plan—During Construction 1
			1	Credit 3.2	Construction IAQ Management Plan—Before Occupancy 1
1				Credit 4.1	Low-Emitting Materials—Adhesives and Sealants 1
1				Credit 4.2	Low-Emitting Materials—Paints and Coatings 1
1				Credit 4.3	Low-Emitting Materials—Flooring Systems 1
			1	Credit 4.4	Low-Emitting Materials—Composite Wood and Agrifiber Products 1
			1	Credit 4.5	Low-Emitting Materials—Systems Furniture and Seating 1
			1	Credit 5	Indoor Chemical & Pollutant Source Control 1
			1	Credit 6.1	Controllability of Systems—Lighting 1
1				Credit 6.2	Controllability of Systems—Thermal Comfort 1
			1	Credit 7.1	Thermal Comfort—Design 1
			1	Credit 7.2	Thermal Comfort—Verification 1
			2	Credit 8.1	Daylight and Views—Daylight 1 to 2
			1	Credit 8.2	Daylight and Views—Views for Seated Spaces 1

3 3 Innovation and Design Process Possible Points: 6

1				Credit 1.1	Innovation in Design: Exem Perf. SSc3.1 1
1				Credit 1.2	Innovation in Design: Exem Perf. EAc1.2 1
			1	Credit 1.3	Innovation in Design 1
			1	Credit 1.4	Innovation in Design 1
			1	Credit 1.5	Innovation in Design 1
1				Credit 2	LEED Accredited Professional 1

2 2 Regional Priority Credits Possible Points: 4

1				Credit 1.1	Regional Priority: SSc3.2 1
1				Credit 1.2	Regional Priority: WEc1 1
			1	Credit 1.3	Regional Priority 1
			1	Credit 1.4	Regional Priority 1

49 61 Total Possible Points: 110

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110