

# Harvard Medical School & School of Public Health

## ASHRAE Level 2 Audits

### Customer Profile

HMS & HSPH are highly regarded private universities sharing a campus located in Boston, established in 1782. The institution provides numerous graduate and professional degrees in medicine, medical sciences and public health.

### Business Drivers

Harvard declared 2006 as their Green House Gas baseline and established a GHG reduction goal of 30% by 2016.

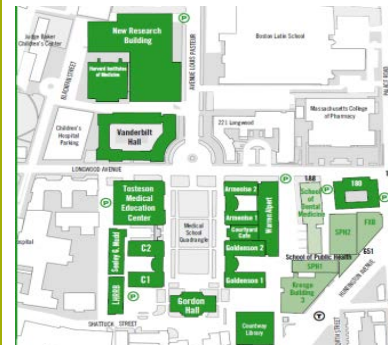
### Project Scope

EMA was selected by Harvard to provide ASHRAE Level 2 energy audits for over 2.3 million square feet of campus facilities as noted below.

- Harvard Medical School - Institute of Health Labs: 295,537 GSF
- Harvard Medical School - New Research Building Labs: 825,684 GSF
- Harvard Medical School - Seeley G. Mudd Labs: 91,622 GSF
- Harvard Medical School – LHRRB Labs: 65,455 GSF
- Harvard School of Public Health - Francois Bagnoud Labs: 111,921 GSF
- Harvard School of Public Health – Kresge Offices: 141,290 GSF
- Harvard School of Public Health - Bldg-1 Labs: 164,788 GSF
- Harvard School of Public Health - Bldg-2 Labs: 100,289 GSF
- Harvard Medical School – Vanderbilt Residence Halls: 165,820 GSF (2018)
- Harvard Medical School – Gordon Hall Data Center: 72,405 GSF (2018)
- Harvard Medical School – Countway Library: 163,003 GSF (2018)
- Harvard School of Dental Medicine - 110,803 GSF (active)

EMA provided full ASHRAE level 2 energy audits, often exceeding the guideline requirements. Scope encompassed all lighting, HVAC, controls, environmental boxes, central chilled water plant, etc. The audits were used to plan GHG reductions by budgeting strategic ECMs, net of utility rebate-incentives.

EMA identified over \$20 million in ECMs, with \$1.7 million in utility incentive-rebates and total energy savings of \$3.8 million per year with an overall payback under 5 years.



### Project Size

2.3 Million G.S.F.

### Contract Date

July 2014

### Contact

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