



Greater Boston Breathes Better (GB3): University Partners take Action

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Greater Boston Breathes Better (GB3)



- A public-private partnership to promote and support voluntary action to reduce pollution from transportation and construction in Greater Boston.
- Partnership among government, the private sector, institutions, and nonprofit organizations – Partners include:
 - Skanska USA Building
 - Massachusetts Institute of Technology
 - Harvard University
 - Medical Academic and Scientific Community Organization (MASCO)
 - American Lung Association
 - The Cities of Boston, Cambridge, Medford, and Somerville
 - The Commonwealth of Massachusetts
 - US EPA



GB3 Assistance

- GB3 Partners provide:
 - Grants
 - Information sharing
 - Leadership stories
 - Technical assistance
 - Public relations and awareness
 - Public recognition
 - Action



Goal

- Coordinate outreach and expand participation in voluntary transportation programs including
 - Anti-idling initiatives
 - Voluntary Diesel Retrofit Program
 - SmartWay Transport Partnership
 - Best Workplaces for Commuters
 - Clean School Bus USA

Partner Successes



- **Massachusetts DEP** has trained over 1000 bus drivers in anti-idling procedures
- **The City of Cambridge** and **MIT** received a grant from EPA to equip 32 vehicles in the City's Department of Public Works and MIT's Department of Facilities with diesel oxidation catalysts to reduce per vehicle emissions by 20%
- **The Commonwealth of Massachusetts**, with a grant from EPA's National Voluntary Diesel Retrofit Program, is retrofitting paving equipment in the state with advanced pollution control technology
- **Dana Farber Cancer Institute (DFCI)** requires the use of advanced pollution controls on construction equipment

Harvard University:



Diesel Emissions Controls for Construction Equipment



Motivations

- Neighbors
- Health
- Environment
- Staying ahead of legislation

Process to Implementation



- Trial
- Education
- Buy-In
- Meetings



Harvard Transportation Services Vehicle

LOWER EMISSIONS

This vehicle is part of a trial of a new emissions-reducing device.



More information at:

www.greencampus.harvard.edu/emissions

Harvard Emissions Spec



- Retrofits - 60HP+ onsite 20+ working days
- DOCs are the minimum. Preference for DPFs
- EPA's verified list, or approved by Harvard
- ULSD. Preference for biodiesel, ethanol
- Anti-idling, equipment location, electric equipment

Cost

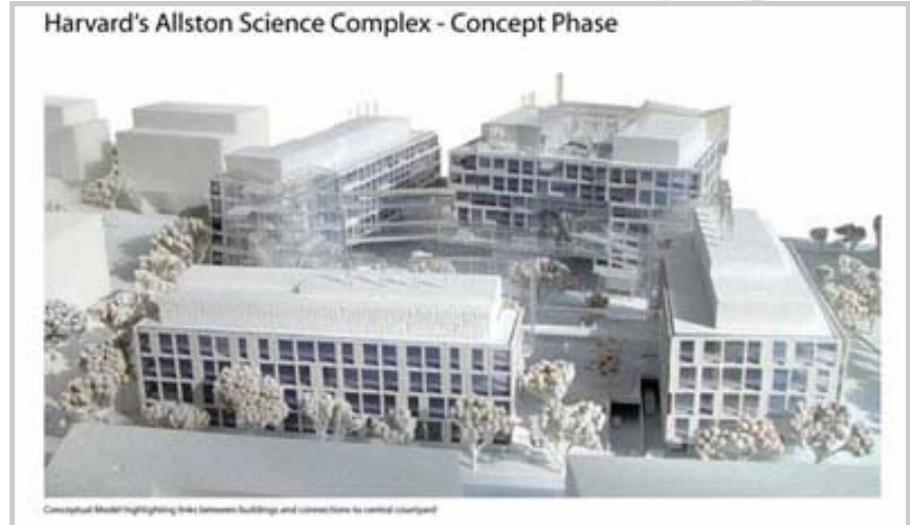


- Spec included in bid documents
- Cost included in bid price
- Generally agreed that the requirement is not a significant addition to the bid cost

Current Harvard Projects



**Rockefeller Hall
Harvard Divinity School**



First Science Allston



Weld Hill Arnold Arboretum



Retrofitted Vehicles



For More Information...



www.epa.gov/ne/eco/gb3

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