MBTA Pass Program Average Monthly Sales

• Automated T-pass program began first full year in 2005

• 9.3% increase in sales since 2005

• Interest in the new Greenbush Line opened in Nov 2007
CARPOOLS SAVINGS

SINGLE OCCUPANCY VEHICLE:

(1) ANNUAL 2007/2008 UNRESERVED GARAGE COST OF PARKING PERMIT = $1,060

(2) COST OF GAS FOR AVG MONTHLY COMMUTE =
   [$4/gal / 25 mpg x 315 miles/month] = $50

(3) GAS COST FOR 12 MONTHS = $600

(4) TOTAL COST FOR Gas & Parking = $1,660

Annual Shared Ride Cost:

<table>
<thead>
<tr>
<th></th>
<th>2 IN CAR</th>
<th>3 IN CAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARKING</td>
<td>$265</td>
<td>$88</td>
</tr>
<tr>
<td>GAS</td>
<td>$300</td>
<td>$200</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$565</td>
<td>$288</td>
</tr>
</tbody>
</table>
LEV Preferred Parking Low Emission Vehicles

• Provide preferred parking in designated spaces similar to carpooling

• Team initiative with HGCI and HBS

• Permit holders apply and are approved for special hang tag (using EPA Smartway Elite Certification)

• Pilot program may get rolled out campus wide
RIDEMATCHING

How does it work?

1. **Join a group** or create groups to travel with.
2. **Post your trip** for your friends, coworkers, or everyone on GoLoco to see. Whether you are driving somewhere or looking for a ride, posting your trip helps you find others to GoLoco with!
3. **Receive email alerts** about trips to places you want to go.

It's free!

No membership costs or monthly fees. In fact you can save money by sharing rides! When you share trip costs (like gas, tolls or taxi fare) we will automatically transfer money from the other passengers to your account. GoLoco only charges a 10% transaction fee when money is transferred online.

Address: https://www.goloco.org/learn_more
ZIPCAR LOCATIONS ON CAMPUS
Departmental Bike Program

- 10 departments currently participating in the program, several more interested
- 22 department bikes on campus
- Consolidation of Blackstone bikes
- Reserve through Outlook Calendar
Shuttle Services and Commuter Choice
Provide Bike Racks for Shuttles in 2004!

As easy as........
GPS SHUTTLE TRACKING SYSTEM

www.shuttle.harvard.edu
3 Year Anniversary of B20 BioDiesel Roll-Out

Gallons of B20 Used at Harvard

2005: 33894
2006: 40345
2007: 44279
1,200 Gallon Rainwater Recovery System Spring 2005

- Average Vehicle Wash Uses 18 gallons of water
- Saves an average of 450 gallons per wash day
Harvard In Allston

Nathalie Beauvais
Principal Architect
Harvard University
Allston Development Group
Metropolitan Context
Vision for Allston
Transportation [master plan scale]
Transportation [urban design scale]
According to the EENF, the development of the Allston will result in the need for 4,360 new parking spaces for a total of 5,400 in the Master Plan area.
Transportation [building scale]
 Privilege Sustainable Transportation Choices:
  • Incentivise use of shuttles, public transportation, walking and bicycling through discounts, real
time transit information, wi-fi access in transit, comfortable indoor waiting areas, and other means.

 Minimize Single Occupant Vehicle Trips:
  • Achieve a total auto mode share of 40% for staff; 60% for faculty; and 25% for students.

 Create Multi-Modal Infrastructure:
  • Shuttle access (transit within campus) and bus line stops (transit to and from campus) to be
    provided within ¼ mile of all buildings.
  • Design non-residential buildings to provide bicycle storage for 15% of peak building users and 5%
of Full Time Equivalent (FTE) occupants.
  • Provide shower and locker facilities within 200 yards of building entrances for 1.0% of FTE
    occupants.

 Create Community and Regional Connections:
  • Maximize catchment area for public transportation services: provide one-transfer access to
    campus.
Relative importance of transportation for CO2 emission

Harvard Allston CO₂ Emissions by Source

<table>
<thead>
<tr>
<th>Source</th>
<th>Metric tons of CO₂</th>
<th>Percent of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>4,603.25</td>
<td>67.9%</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>1168.96</td>
<td>17.2%</td>
</tr>
<tr>
<td>Fuel Oil</td>
<td>767.04</td>
<td>11.3%</td>
</tr>
<tr>
<td>Transportation</td>
<td>242.23</td>
<td>3.6%</td>
</tr>
<tr>
<td>Total</td>
<td>6,781.48</td>
<td></td>
</tr>
</tbody>
</table>

Source: HGCI, 2006 CO2 emissions by sources
Transportation [regional scale]