

CASE STUDY: NEW HAMPSHIRE DES GREEN TEAM



**DEAN ROBINSON
GREEN TEAM CO-CHAIR
HOUSEHOLD HAZARDOUS WASTE COORDINATOR**

Started in 1995

- All volunteers
- Examined resource use & waste disposal
- Started with the easy stuff
- Zero budget

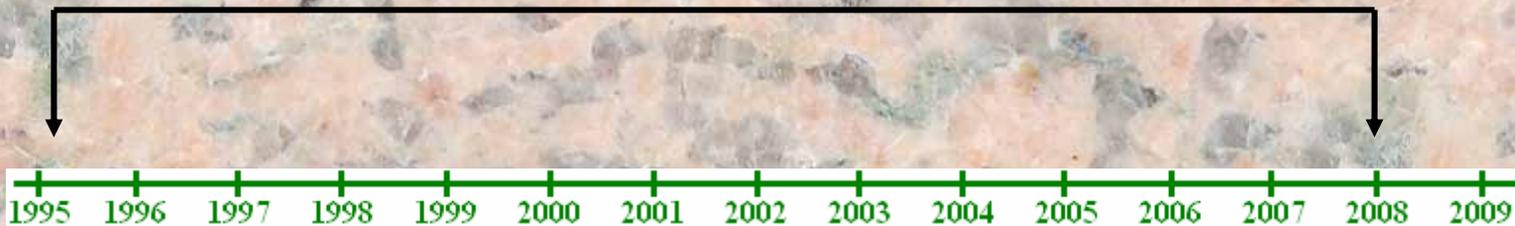


Low Hanging Fruit

- Glass/plastic/metal recycling
- Paper (improving reuse & recycling)
- Electricity use and policies
- Cardboard recycling & reuse
- Ride share incentives



Volunteers Transported Everything



Tips for Saving Fuel

N.H.



Share a ride



- 1. Carpooling is an excellent way to save money and reduce traffic on the road.
- 2. Consider using public transportation.
- 3. Park and Ride is a great way to save money and reduce traffic.
- 4. If you are unable to carpool, consider using a taxi or ride-sharing service.

CONSIDER USING PUBLIC TRANSPORTATION



Use public transportation

Save money and energy

The Closer YOU Look... The Better WE Look!

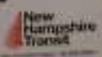


These commuters have discovered that looking closer can save them money and reduce their carbon footprint.

Consider using a closer look at New Hampshire's public & private transportation solutions.

Park and Ride

For more information call
(800) 462-8707



PARK & RIDE

Reuse Room

- Binders
- Computer accessories
- Note books
- Hanging files
- Folders
- Stamp/pads
- Boxes/ tubes
- More.....



Award!

- Citation from Gov. Jeanne Shaheen for receiving the WasteCap Environmental Award for Excellence “for making waste reduction a priority in our state and improving the quality of the environment for citizens of NH” in 1997



Composting

Kitchenettes & Cafés



Gardening Club

- Use compost
- Reduces their cost



Award!

- Award from Gov. Jeanne Shaheen for implementing energy conservation efforts resulting in financial savings for the State in 2002.

(Light Change Initiative)



Cardboard Recycling Dumpster

Paid for by Independent Vending Machine Company



Annual Recycling Numbers 2003

- Plastic/Glass – 3,160 pounds
- Metal – 380 pounds
- Paper – 75,000 pounds
- Cardboard – 15,000 pounds
- Toner/Printer Cartridges – 163 units
- Tyvek Envelopes – 1,250 units
- Compost – 0 pounds (halted due to construction)



Change a Light-Change the World

Location	Bulbs	Fixtures
<u>DOT</u>	<u>388</u>	<u>14</u>
<u>DES</u>	<u>527</u>	<u>18</u>
<u>Walker Building</u>	<u>317</u>	<u>18</u>
<u>State House Annex</u>	<u>487</u>	<u>27</u>
Totals	1719	77



Compost Bin Sales



\$4.00 profit/ Bin



\$2.00 profit/ Pale



Water Conservation

- **Full Water Audit of 29 Hazen Drive**
- **Water efficient bathroom proposal**
- **Renovations started & finished in 2008**
 - **Waterless urinals**
 - **Low flow toilets**
 - **Motion sensors on sinks**
- **No water meters on building (estimates only)**

Annual Savings of 467, 000 gallons & \$3,400. Payback time of 5.7 years



Annual Recycling Numbers 2006

- Plastic/Glass – 6,630 pounds
- Metal – 470 pounds
- Paper – 93,600 pounds
- Cardboard – 10,000 pounds
- Toner/Printer Cartridges – 90 units
- Tyvek Envelopes – 2,650 units
- Techno-Trash – 40 pounds
- Sneakers – 100 pairs
- Compost – 1225 pounds



Annual Recycling Numbers 2007

- Plastic/Glass – 7,290 pounds
- Metal – 400 pounds
- Paper – 106,000 pounds
- Cardboard – 14,400 pounds
- Toner/Printer Cartridges – 90 units
- Tyvek Envelopes – 2,350 units
- Techno-Trash – 40 pounds
- Sneakers – 185 pairs
- Compost – 1,813 pounds



Solid Waste Reduced 50%

Removal of 1 Dumpster saved \$7,000 per year



Green Meetings

- Greet Team purchased reusable mugs for café
- Saved money for café and reduced solid waste



First Recycling Contract

- Corcoran Services (commingled 1-7)
- No more volunteering to transfer station



Reaching Out to Other Agencies



Our external affiliates include:

- Dept. of Justice
- Dept. Health & Human Services
- Dept. of Safety
- Office of Consumer Affaires
- Retirement Association



Energy Saving Measures

- Computer monitor settings
- Double sided default settings
- Motion sensors in meeting rooms and bathrooms



Annual Recycling Numbers 2008

Since 2003:

• Plastic/Glass – 10,560 pounds	Up 71%
• Metal – 470 pounds	Up 23%
• Paper – 87,750 pounds	Up 15%
• Cardboard – 20,000 pounds	Up 50%
• Toner/Printer Cartridges – 150 units	Same
• Tyvek Envelopes – 2,700 units	Up 54%
• Techno-Trash – 80 pounds	Up 100%
• Sneakers – 336 pairs	Up 224%
• Compost – 2441 pounds	Up 140%

(over 60 tons diverted from solid waste!)



Paper Towel Dispensers



1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009

2009 - 2010

- Tobey School Closed (open paper contract)
- No recycling contract in budget
- Admin Services taking it all to Concord transfer station
- Developing a Green Team web page
- Working toward 100% post consumer paper purchasing

Questions