

Sustainability Initiatives at HSPH

Harvard Climate Collaborative presentation
April 27, 2009

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Environmental Health Club

- Founded in 2007
- Educational events
 - Facilities Management
 - Dining Services
 - Green Building Tours
- Earth Week
- Collaborate with EcoOpportunity Team
 - Research and Administrative staff
 - Sustainable purchasing

Dining Services



- Green Kitchen Certification
 - Local foods
 - Supply chain improvements
 - Energy and water conservation
- Plastic water bottles no longer available for purchase
 - 2,500 aluminum bottles distributed
 - Water taps throughout the school

Composting

- Program started in May 2008
- Compostable flatware and containers
- Local composting facility on the North Shore
 - Waste breaks down in less than 10 months
- Composting bins located throughout school
- Education campaign
 - Signs
 - Composting ambassadors
 - Integration into Orientation
- Reduced disposal costs



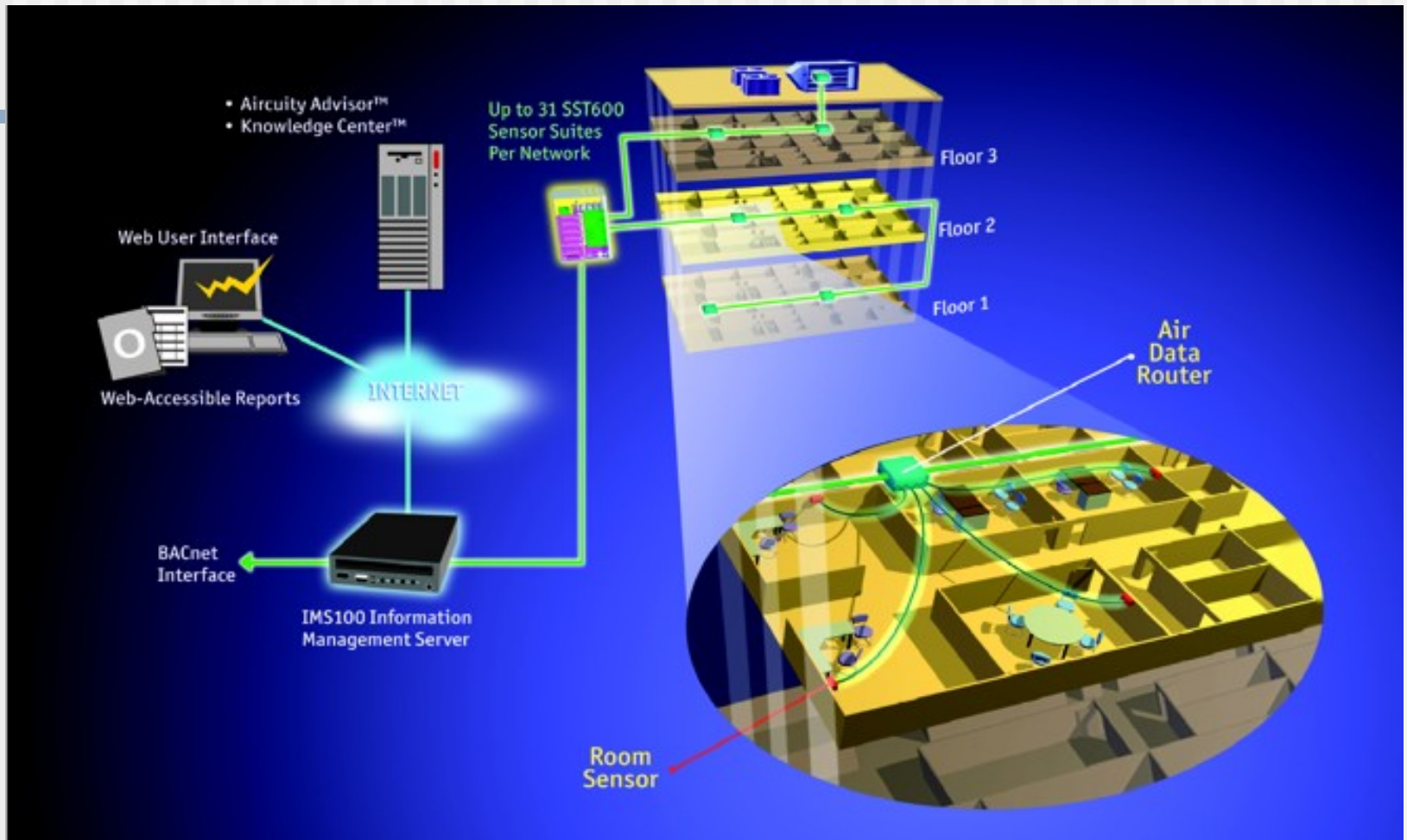
HSPH GHG Reduction Strategy

- **Construction Standards:** Adopt USGBC LEED Standards or hybrid standards for major renovations in-line with GHG reduction goal.
- **Behavioral Change:** Continue energy & environmental conservation awareness efforts to community.
- **Infrastructure Upgrades:** Evaluate mechanical system efficiencies and develop a prioritized plan to improve.
- **Training:** Enhance trade staff training to include mechanical system operations, troubleshooting, and preventive maintenance practices.
- **Research:** Evaluate new technologies for adoption.
- **Analysis:** Expand sub-metering to separate energy by use (lighting/plug) and develop benchmarks for analysis.

Operations

- Landmark Center
 - Harvard's first LEED Certified project
- High efficiency lighting fixtures
- Motion sensors
- Waterless urinals
- Continuous commissioning
- Low-flow lab hoods
- Enhanced ventilation control
 - Realtime IEQ sensing

Multiplexed Sensing System



Monitors: Temperature, RH, CO₂, TVOC, Particles, Airflow

Next Steps

- Reduce paper use by removing cover sheets
- Reduce energy usage by reconfiguring computer login process
- Obtaining information on fuel mix for HSPH operations to estimate GHG emissions
- Sustainability information incorporated into orientation
- Continue to look for opportunities to collaborate with other schools
- Look for ways to improve student involvement in initiatives at the school

Acknowledgments

- Claire Berezowitz, Longwood Coordinator, Office for Sustainability
- Daniel Beaudoin, Manager of Operations, Energy and Utilities, HSPH