



SUSTANABILITY INITIATIVES OF THE NYC DOE

Division of School Facilities

John Shea

Chief Executive Officer

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Director of Sustainability



Division of School Facilities

Mission Statement

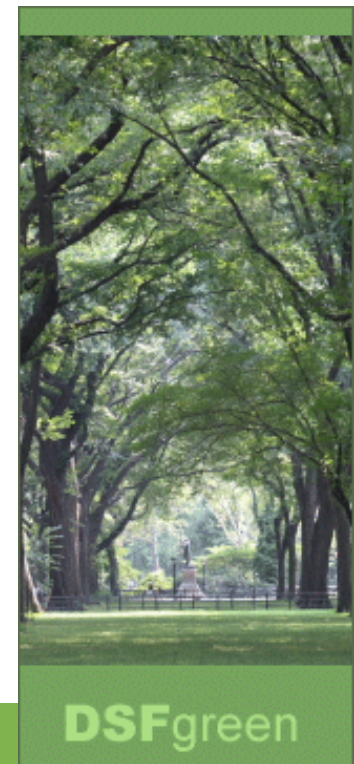
The Department of Education's Division of School Facilities is dedicated to providing a safe, comfortable, and clean setting that is conducive to the education and nurturing of our students in the most economic and efficient manner possible

Who We Are

- DSF oversees approximately 130 million square feet of floor space in over 1,200 separate buildings throughout the City of New York
- DSF employs approximately:
 - 600 Skilled Trades Staff
 - 950 Custodian Engineers
 - 85 Building Managers
 - 250 administrative/technical staff in the areas of:

What We Do

- Facilities Management
- Engineering
- Project Management
- Environmental Health and Safety
- Sustainability
 - Energy Management
 - Renewable Energy
 - Recycling
 - Curriculum Coordination
 - Million Trees Initiative
 - Grants



Sustainability

" Sustainability is a dynamic condition which requires a basic understanding of the interconnections and interdependency among ecological, economic and social systems. Sustainability means providing a rich quality of life for all, and accomplishing this within the means of nature."

Jamie Cloud
The Cloud Institute

PlaNYC

- Mayor Bloomberg's strategy to reduce the City's greenhouse gas footprint while accommodating a population growth of nearly one million, and concurrently improving our infrastructure and environment
- New York City Goals:
 - Reduce New York City's citywide carbon emissions by 30 percent below 2005 levels by 2030
 - Reduce City government's carbon emissions by 30 percent below fiscal year 2006 levels by 2017

Green Schools Alliance

- A non-profit initiative committed to promoting energy efficiency, resource conservation, environmental awareness and responsibility in schools
- DOE is the first public school system in the nation to join the Green School Alliance
 - Encourages its schools to participate in the Green Cup Challenge (school based effort to measure and reduce energy use)
 - The partnership with GSA arranges for HS student internships to build skills in sustainability

Sustainability Vision For DOE

- Nurture the development of sustainable solutions that fosters tomorrow's citizens
- Leverage the school as a learning laboratory, and promote it as the center of our efforts
- Make direct impact on conservation through our own operations and maintenance practices



Major Stakeholders

- DOE Operations
 - (DSF Administration, Unions, Trades, ISC's)
- DOE Design and Construction (SCA)
- DOE Educational
 - (T&L, UFT, Teachers, Principals)
- Government (DCAS, DSNY, NYPA)
- Community (GSA, CEC's, PTA's)
- ★ **Most Important – CHILDREN !**



Sustainability Committee Working Groups

- Four working groups and respective leads are:
 - **Communications** led by Marge Feinberg
 - **Curriculum** led by Diane Costagliola
 - **Recycling** led by Ozgem Ornektekin
 - **Technical** led by John Shea



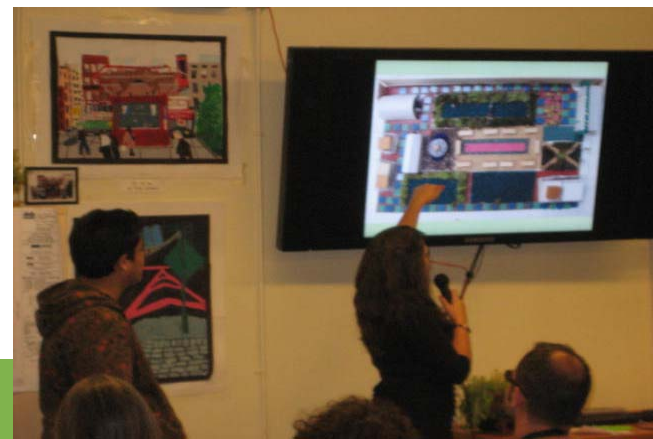
Communications Working Group

- Internal DOE Communications
 - Publicize Upcoming Events in internal publications
 - P-Weekly
 - Teacher's Webpage
 - DSF Website
 - Develop and Manage Sustainability Website
- External Media and Press Communications
 - Highlight Successful Sustainability Events in local media
 - Arrange Press Conferences
 - Write Press Releases



Curriculum Working Group

- Integrate sustainability into existing K-12 curriculum
- Work with the Green Work Force Initiative
- Help develop Green Teams, Sustainability Teams or E-Teams at schools
- Themed Schools for Sustainable Education tracks(i.e. Urban Assembly School for Green Careers)



Recycling Working Group

- Implement recycling programs at Schools
- Ensure that each school has a recycling plan
- Work closely with School Sustainability Coordinator
- Coordinate with DSNY to identify schools
 - That have successful recycling programs
 - That need help to implement recycling plan
- Identify and implement programs with UFT
- Divert 15% of waste to recycling in 2010



Technical Working Group

- Work closely with DCAS on PlaNYC Energy Initiatives
 - Energy audits and efficiency upgrades and O&M plans
 - Intelligent Metering and Monitoring
 - Renewable Energy
 - Changing the energy budget structure
 - Benchmarking/EPA Portfolio Manager
- Identify Opportunities for Grants (i.e. EECBG, EPA, GE, etc)
- Implement Green Roof projects where applicable
- Pilot Emerging Technologies on energy and water conservation



Public Schools Slash Carbon-Footprint

Upcoming Events

- Green Cup Challenge Jan 15 – Feb 12, 2010
- Earth Day 40th Anniversary Events
- Resource Fair – Apr 17, 2010
- GSA SC3 Conference at WV – June 2010
- Energy Star Portfolio Manager Webinar (TBA)
- Recycling Webinar (TBA)