



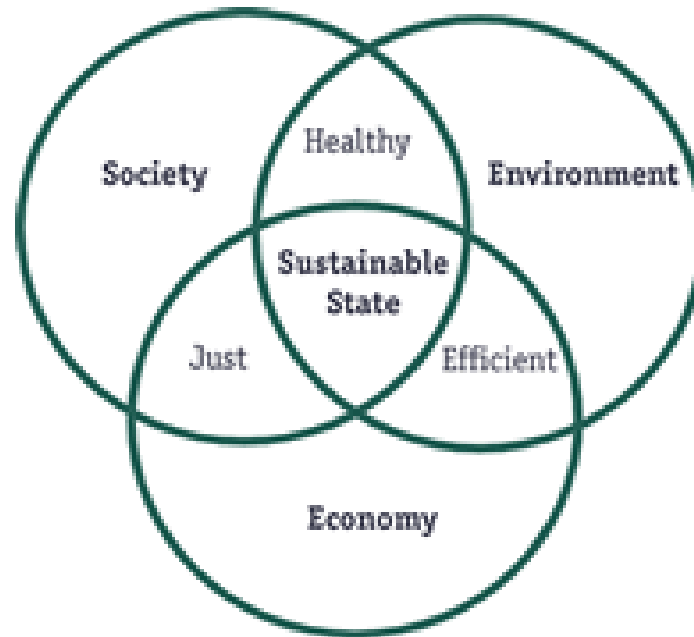
Borough of Hawthorne A Sustainable Community

Agenda

- Sustainable Jersey Overview
- Accomplishments of Sustainable Projects
- 2011 and Beyond

What is Sustainability?

Preserving our Quality of Life for Us and Future Generations



Hawthorne's Sustainability Vision

Hawthorne is committed to protecting our natural resources while meeting the needs of the present generation without compromising those of future generations.

Sustainability means:

- Protecting our open spaces, and conserving our natural resources with waste reduction and recycling
- Promoting environmental education, and energy efficiency to residents and businesses alike
- Considering environmental, economic, and social impacts to future development
- Improving community health and quality of life for every citizen

Sustainable Jersey Certification Benefits

- Save Money. Get Money.
- Gain access to training, tools, and expert guidance.
- Get recognized. Promote your town.
- Conserve valuable resources. Protect the Environment.

Sustainable Jersey Categories

Prosperity-support your local economy and use community resources

- **Energy Efficiency**
- **Food**
- Local Economies
- Operations and Maintenance

Sustainable Jersey Categories

Planet-practice responsible environmental management and conservation

- Animals in the Community
- Green Design
- **Greenhouse Gas**
- Innovative Demonstration Projects
- Land Use & Transportation
- **Natural Resources**
- **Waste Management**

Sustainable Jersey Categories

People-embrace social equity and fairness

- Arts, Culture and Historic Preservation
- **Community Partnership & Outreach**
- Diversity & Equity
- **Health and Wellness**
- Sustainability Planning

Energy Efficiency

- NJ Clean Energy Program Local Gov't Energy Audit Program– receive 100% costs for energy audit. Hawthorne received \$26,000
- Hawthorne responsible for 25% of the costs for implementation of the recommendations (\$6,500)
- Energy Audit conducted for 9 facilities owned and operated by Hawthorne

Energy Efficiency

- Identified Opportunities for Energy Saving Measures
 - Lighting Upgrades
 - Direct Digital Control Bldg Mgt System for Borough Hall
 - Insulation for Recycling Center Building
 - Motor Upgrades for Pump House
 - Boiler Upgrade for Pump House & Borough Hall
 - High Efficiency Unit Heaters for DPW Garage

Energy Efficiency

Eligible for Additional Incentives through NJCEP for implementation for cost-effective energy efficiency measures

- 2010 Energy Efficiency & Conservation Block Grant – received \$20,000
- 2010 Direct Install Program for Lighting Upgrades – received \$30,000
- 2011 Energy Efficiency & Conservation Block Grant – received \$50,000

Hawthorne Grand Total of \$126,000

Energy Savings of \$21,000 per year

Hawthorne's Farmers Market Chamber of Commerce

Farmers Market open for the summer



Greenhouse Gas

Municipal Carbon Footprint

- CO₂ emissions
- Base Year 2008
- Natural Gas and Electricity Usage for Buildings and Facilities – PSE&G Bills
- Inventory of Hawthorne's Motor Fleet

Greenhouse Gas

One (1)
metric ton of
CO₂ is
2,204 lbs.

27 ft wide

x

27 ft high

x

27 ft deep



Greenhouse Gas

- Hawthorne's CO₂ Emissions is 2,173 metric tons
- Equivalent to approximately 2,173 cubes
- Equivalent to two (2) football fields placed side by side with a height of 30 stories
(estimated at 1/3 of the height of the Empire State Building)

Greenhouse Gas

- Implement Lighting Retrofit
 - Borough Hall
 - Pump House
 - DPW Garage
 - Ambulance Corps
 - Rescue #5 Fire Co.
 - Wagaraw Recycling
- Reduction of Hawthorne's CO₂ Emissions to 2,161 metric tons (2% decrease)

Natural Resources

Environmental Resource Inventory (ERI)

- Updated ERI November 2010
- Incorporated into the Master Plan Re-Examination
- Posted on Borough of Hawthorne's Website
- Provided ERI to Hawthorne School System, Hawthorne Library, St. Anthony's, Planning & Zoning Boards

Waste Management

Hawthorne's Recycling Center



Total Recycled 2009
18,807 tons

Waste Management

Carpet & Foam Padding Program

– 41 tons in 2009

Bulky Plastics Program (1 through 7)

– Approximately 37 tons in 2009

Community Shredding Day April 17, 2010



Community Shredding Day Results

Over 2.5 tons of paper were recycled

135 families participated

Raised \$550 to the Keystone Club
of the Hawthorne Boys & Girls
Club

Community Shredding Day Saved

43 trees

950 gallons of oil

7.5 cubic yards of landfill space

100,000 kilowatts of energy

17,500 gallons of water

Absorb 625 lbs of CO₂ emissions

Community Partnership & Outreach

Green Team

Environmental Commission

Annual June Environmental Program

Annual Cel-Earth-Bration

Community Partnership & Outreach

Energy Outreach & Incentive Program

- Hawthorne Day October 2010
- Promoted NJ Clean Energy's Program
 - ENERGY Star Products
 - Warm & Cool Advantage Program
 - Home Performance Energy Audits
 - Refrigerator-Freezer Recycling Program

**Hawthorne achieved \$2,500 in
community incentives**

Health & Wellness **Mayor's Wellness Program**

**Signed Mayor's Wellness Campaign
Pledge of Participation in April 28, 2006**

Youth in Motion

Seniors in Motion

Employees in Motion

Community in Motion

Health & Wellness

Mayor's Wellness Program

Youth in Motion

- Safety Town
- Physical Fitness Days
- Annual Tennis Program and Swim Lessons
- Hawthorne Municipal Alliance
- Board of Recreation Program
- Summer Recreation Program

Health & Wellness Mayor's Wellness Program

Seniors in Motion

- Annual Flu Shot
- Monthly Blood Pressure Screening (3rd Thursday)
- Twice a Month Mall Shopping Trip (every other Monday)

Health & Wellness Mayor's Wellness Program

Seniors in Motion

Hawthorne Library

- “Movement & Learning” Seniors Helping Seniors Every Monday from Jan through Aug
- Knitting, Crocheting, and Bridge Designated Days
- Senior Book Club every Thursday of the Month

Health & Wellness

Mayor's Wellness Program

Employees in Motion

- Promote health, safety, & wellness programs to employees
 - Bloodborne Pathogens
 - Hearing Conservation
 - Asbestos Awareness
 - Personnel Protective Equipment
- Promote Wear Red Day (heart awareness) and Pink Day (breast cancer awareness)

Health & Wellness

Mayor's Wellness Program

Community in Motion

- Annual Blood Screenings and Blood Mobile
- Town Nurse counsels and provides referrals for Hawthorne residents
- Food Pantry
- Annual 5K Run and Family Walk “Run Against Domestic Violence”

Health & Wellness Mayor's Wellness Program

Community in Motion

- Wellness Workshops held at Hawthorne Library
 - Fitness Strategies for Busy Moms & Dads
 - Is Chocolate the New Health Food?
 - Weight Watchers

Hawthorne Achieves Bronze Level

225 Sustainable Points



Green Team Members

- Christina Auger
- Susan Balik
- Derek Demeri
- John Dorval
- Cindy Frank
- Patricia Hutzelman
- Rayna Laiosia
- Robert Maggio
- Mike Mahometa
- Mary Mahon
- Eric Maurer
- Robert Meier
- Carmen Ruta
- Lisa Szegedi
- Rosanne Zagatta

***Thank You for your Support and Dedication
to
Hawthorne's Sustainable Jersey
Certification!***

Hawthorne Joins the “Elite” Group

- Bedminster
- Bernardsville
- Bridgewater
- Chatham
- Chester
- Englewood
- **Galloway**
- Hillsdale
- Highland Park
- Madison
- Maplewood
- Montclair
- Millburn
- Riverdale
- **Summit**
- Teaneck
- **West Windsor**
- Westwood
- **Woodbridge**

2011

Sustainable Projects

- Implement Buy Local Program with the Chamber of Commerce
- Interactive Walking Path Website

2011

Sustainable Projects

- Anti-Idling Education and Enforcement Program
- Tree & Woodlands Management – Establish a Tree Canopy Goal

Beyond 2011

Sustainable Projects

- Green Business Recognition Program
- Sustainability Master Plan Element
- Green Building Policy
- Green Fleet
- Green Purchasing Program

Hawthorne Achieves Bronze Level

225 Sustainable Points

