



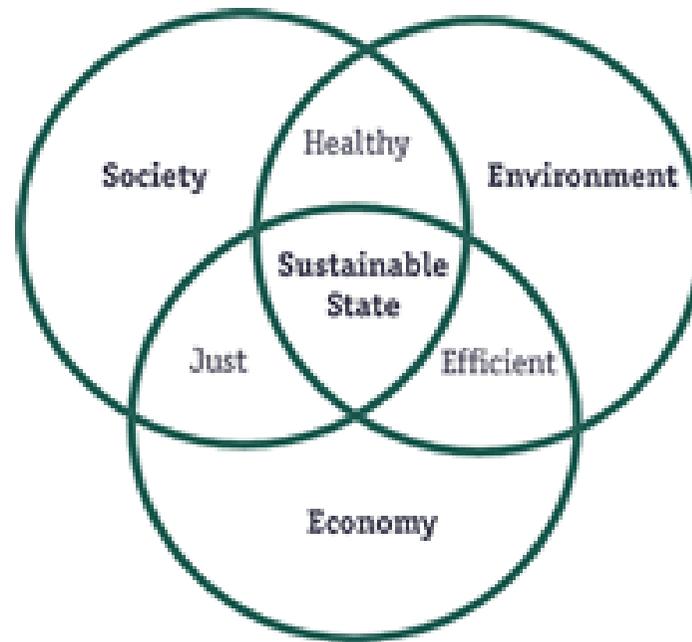
# **Borough of Hawthorne A Sustainable Community**

# 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**

- CO<sub>2</sub> 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  
CO<sub>2</sub> is  
2,204 lbs.

27 ft wide

x

27 ft high

x

27 ft deep



# Greenhouse Gas

- Hawthorne's CO<sub>2</sub> 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 CO<sub>2</sub> 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 CO<sub>2</sub> emissions

# **Community Partnership & Outreach**

**Green Team**

**Environmental Commission**

**Annual June Environmental Program**

**Annual Cel-Earth-Bratation**

# **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 (3<sup>rd</sup> 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 Laiosa
- Robert Maggio
- Mike Mahometa
- Mary Mahon
- Eric Maurer
- Robert Meier
- Carmen Ruta
- Lisa Szegegi
- 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**

