



Bedminster Township

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What Is Sustainability?

Classic Definition:

“To meet the needs of the present without compromising the ability of future generations to meet their own needs.” *1989, the World Commission on Environment and Development (Brundtland Commission)*



Why Should We Care?

- ◆ Population increases and new development are quickly changing the face of small and large communities across the world. The result in New Jersey and many other regions is inefficient and unplanned sprawling communities.
- ◆ Our modern lifestyle, which demands increasing quantities of materials and energy, is producing harmful effects in the local as well as the global environment.
- ◆ Sustainable development is a growing movement of citizens across the world taking charge of the destinies of their own cities and towns and working to move them in a positive direction.
- ◆ Through a broad scale community effort, sustainable development can help preserve the natural resources we enjoy today and improve our community for future generations.



The Good News...

The Good News...



“The significant problems we face cannot be solved with the same level of thinking we used to create them.”

-Albert Einstein

PERCEPTION



REALITY

- Reduce energy costs 46%
- Reduce landfill waste production 93%
- Impervious surface coverage 1/5th of that allowed by Hillsborough Township
- Increase use of materials with recycled content (12% of material cost)

- Reduce water demand 43%
- Organic practices employed
- Provide alternative transportation facilities
- Filter surface water runoff
- Maintain groundwater recharge at preexisting ~~2000~~ 10 3 conditions

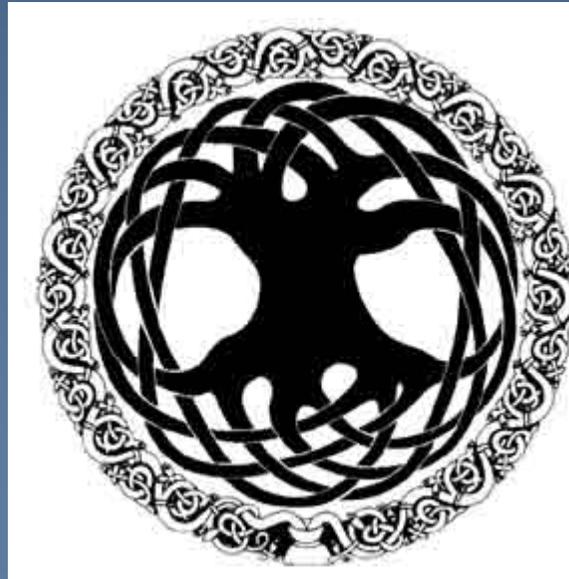
Mental Models for a Sustainable Future...

“Operate With Ecological Literacy”

“Abundance Within Reality”

“It’s All Connected”

“We Are All Responsible” (top down + bottom up)



What is Sustainable Jersey?

Certification program for municipalities in New Jersey that want to go green, control costs and save money, and track their progress as they take steps to sustain their quality of life over the long term.

Sustainable Jersey encompasses issues such as global warming, pollution, biodiversity, land use air and water quality, equity, buying local, local living economies, and sustainable agriculture.

Sustainable Jersey:

- ◆ Identifies concrete actions that municipalities can implement to become "certified" and be considered leaders on the path to sustainable community;
- ◆ Provides clear guidance and tools to enable communities to make progress on each action; and
- ◆ Provides access to grants, and identifies existing and new incentives for municipalities to make progress toward the actions.
- ◆ The Sustainable Jersey Certification is a prestigious designation for municipalities. Municipalities that gain the certification will be recognized at an annual awards event.

For more information www.sustainablejersey.com

Action Items for Certification

COMMUNITY PARTNERSHIP & OUTREACH	Points
Create Green Team (Mandatory Action)	10
Community Education and Outreach	10 -20
School Programs and Partnerships	10-20 each
Green Challenges	10-20
Green Fairs	10
DIVERSITY & EQUITY	Points
Diversity on Boards and Commissions	10
Environmental Justice in Planning and Zoning	10
ENERGY EFFICIENCY	Points
Energy Audits for Municipal Facilities (Priority Action)	30
Energy Star Buildings	10 or 30
GREEN HOUSE GAS	Points
Municipal Carbon Footprint (Priority Action)	10
Community Carbon Footprint	10
Climate Action Plan	30
GREEN DESIGN	Points
Green Design Commercial and Residential Buildings	10-40
Upgrade and Retrofit for Municipal Buildings	20

HEALTH & WELLNESS	Points
Mayors Wellness Campaign	10-20
Anti-Idling Education and Enforcement Program	10
LAND USE & TRANSPORTATION	Points
Sustainable Land Use Pledge (Priority Action)	10
Sustainability Master Plan Element	10
Complete Streets Program	10
LOCAL ECONOMIES	Points
Local Food Production and Gardens	10-20
Planning for Local Food Production and Gardens	10
Buy Local Programs	10-20
Green Business Recognition Program	10
Green Jobs and Economic Development	10
NATURAL RESOURCES	Points
Natural Resource Inventory	10 or 20
Natural Resource Protection Ordinances	10-30
Water Conservation Ordinance (Priority Action)	10
Environmental Commission	10
Tree and Woodlands Management	20-30

OPERATIONS & MAINTENANCE	Points
Green Purchasing Program	10-20
Grounds and Maintenance	10-20
Green Fleets	10-30
SUSTAINABILITY PLANNING	Points
Community Asset Mapping	10
Community Visioning	10
Sustainable Community Plan	10-40
WASTE REDUCTION & RECYCLING	Points
Recycling	10
Waste Reduction	10
INNOVATIVE DEMONSTRATION PROJECTS	Points
Solar Energy Demonstration Project	10
Wind Energy Demonstration Project	10
Geothermal Energy Demonstration Project	10
Green Roofs Demonstration Project	10
Rain Gardens Demonstration Project	10
Other Innovative Demonstration Project	10

Local Government Greenhouse Gas Reduction Grant Program

- ◆ Pre-applications due September 4th, 2009
- ◆ (SJ) Indicates that this action is included on the Sustainable Jersey Program actions list (see: www.sustainablejersey.com).
- ◆ Eligible projects have been selected for their greenhouse gas-reducing potential based on the experience of communities across the United States and elsewhere, and/or their likelihood to reduce energy consumption.
- ◆ Categories include:
 - GREENHOUSE GAS ACTION PLANNING AND IMPLEMENTATION
 - LAND USE PLANNING AND TRANSPORTATION
 - TRANSPORTATION SYSTEM EFFICIENCY
 - GREEN INFRASTRUCTURE, SEQUESTRATION and RESOURCE CONSERVATION
 - STRENGTHENING LOCAL ECONOMIES
 - OUTREACH AND EDUCATION CAMPAIGNS
 - MICRO-GRANTS

Sustainability Actions from Sustainable Jersey Program Score Sheet	Sustainable Jersey Points	DEP Grant Category	DEP Grant Funding Level	Municipal Matching Share	Total Funding Requested
Municipal Carbon Footprint	10	Greenhouse Gas Action Plan and Implementation - \$50K max	\$10,000	-	\$50,000
Community Carbon Footprint	10		\$10,000	-	
Climate Action Plan	10		\$30,000	-	
Anti-Idling Enforcement	10	Transportation Efficiency - \$100K max	\$15,000	-	\$45,000
Circulation Plan Element	-		\$30,000	-	
Sustainable Land Use Pledge	10	Master Plan - Municipal Greenhouse Gas Reduction Policies and Action \$200K max	\$1,000	-	\$31,000
Sustainability Plan Element	10		\$15,000	-	
Complete Streets Program	10		\$15,000	-	
Planning for Local Food Production and Gardens	10	Strengthen local green economy - Create awards program & publicize local farmer's market - \$50K max	\$25,000	-	\$50,000
Green Business Recognition Program	10		\$25,000	-	

Sustainability Actions from Sustainable Jersey Program Score Sheet	Sustainable Jersey Points	DEP Grant Category	DEP Grant Funding Level	Municipal Matching Share	Total Funding Requested
Natural Resources Inventory	10	Green Infrastructure, Sequestration, and Resource Conservation - \$50K max	\$10,000	-	\$36,000
Natural Resource Protection Ordinances	10		\$10,000	-	
Water Conservation Ordinance	10		\$8,000	-	
Tree and Woodland Management Ordinance	20		\$8,000	-	
Community Asset Mapping	10	Outreach and education Community Programs \$50K max	\$15,000	-	\$30,000
Community Visioning	10		\$15,000	-	
Rain Garden Demonstration Project	10	Innovation Project - \$50K max	\$12,500	\$40,000	\$32,500
TOTALS	170		\$254,500	\$40,000	\$294,000

Next Steps

- Determine if registering with the Sustainable Jersey program is right for Bedminster Township
- Township Committee Resolution to support registering for SJ
- Identify projects to complete through the NJDEP GHG Reduction grant program
- Submit pre-application by Sept. 4th for funding
- Develop full application for funding by Nov. 20th, 2009

*No one can do everything...
But everyone can do something...
Every day*

Thank You!

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