

Middlesex County
Showroom of Environmental Technology

www.MCSET.com



MCSET FORUM

Implementing Green Technology and Sustainability
A Local Model Approach

May 2, 2007

The Clarion Hotel & Towers

Edison, NJ

MCSET Committee Members

H. James Polos

Middlesex County Freeholder

Athena Sarafides

N.J.D.E.P.

Middlesex County Coordinator

AnnMarie McShea

N.J.B.P.U.

Middlesex County Coordinator

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Plainsboro

Mayor John T. O'Leary

South Amboy

Mayor Daniel J. Reiman

Carteret

Mayor Francis "Mac" Womack

North Brunswick

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Department of Public Works

Mark Finkelstein

Middlesex Regional Educational

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Middlesex County Utilities Authority

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Director, Middlesex County

Department of Transportation

John Henry

NJ Green Building Council

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Solid Waste Management Director

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MC Cooperative Extension

Jane Leal

Middlesex County Improvement

Authority Representative

Patrick Piegari

Middlesex County

Superintendent of Schools

John Reiser, Jr.

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Maria M. Sirimis

MCSET Program Coordinator

Middlesex County Board of Chosen Freeholders

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Freeholder Director

Stephen J. Dalina

Deputy Director

Camille Fernicola

H. James Polos

John Pulomena

Christopher D. Rafano

Blanquita B. Valenti

The Clean Air Initiative

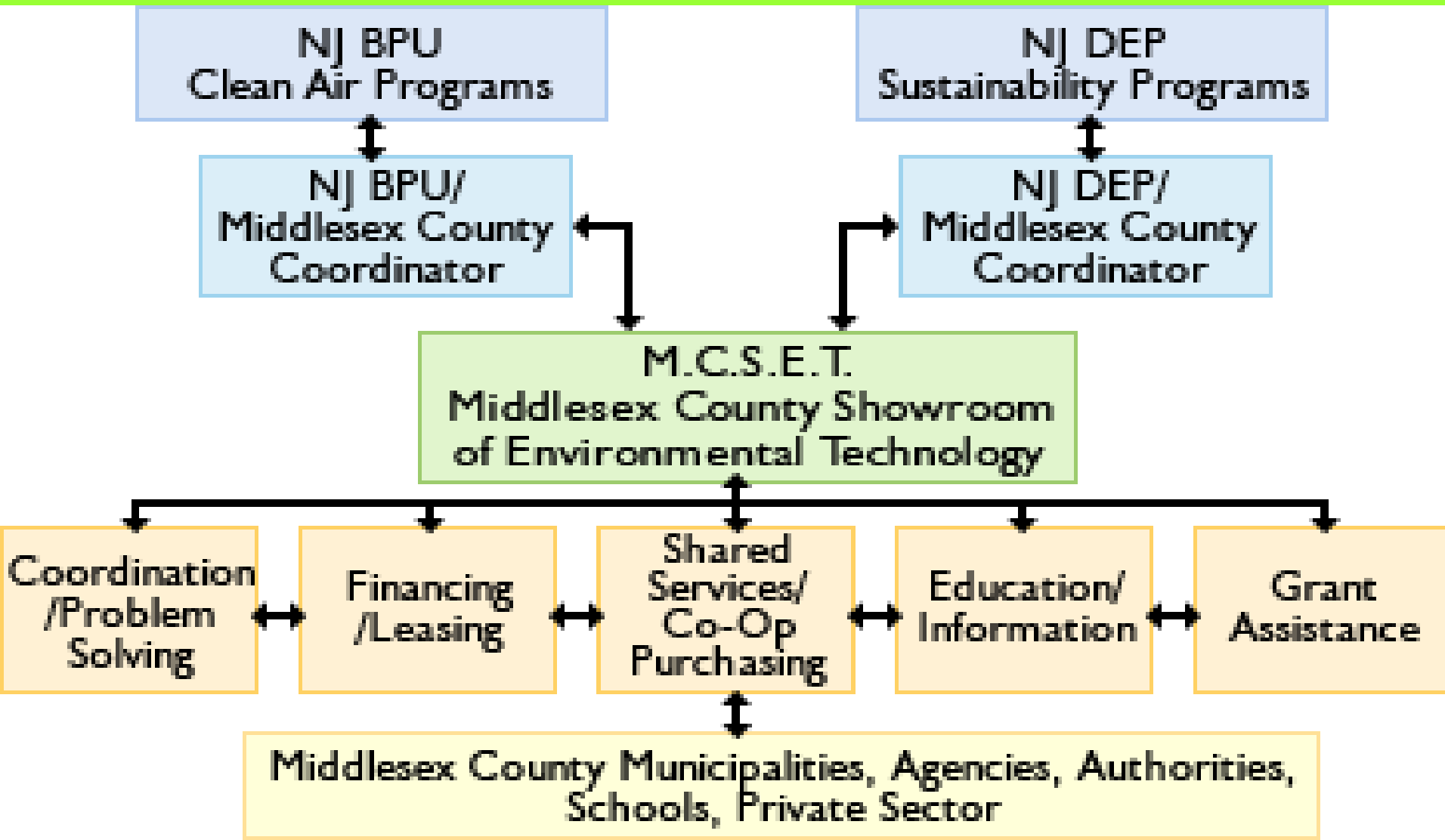
In 2004, the Middlesex County Board of Chosen Freeholders adopted the Clean Air Initiative to integrate alternative fueled vehicles into the county motor fleet. In addition, a policy was established which required a minimum of 10% of all future vehicle purchases to be alternative fueled. Out of this initiative came the Middlesex County Showroom of Environmental Technology (MCSET) Program.

Mission Statement

Provide assistance to municipalities, agencies, authorities, schools and the private sector with the implementation of clean air and sustainability programs by coordinating resources with needs and facilitating communication between the state and local entities through a unique partnership between the NJ-BPU, NJ-DEP and Middlesex County



Organization Chart



Announcement of MCSET Program



From left to right: Jeanne Fox, President of Board of Public Utilities, Lisa Jackson, Commissioner of Department of Environmental Protection, and Freeholder H. James Polos

Middlesex County Hybrid Fleet



6 Toyota Prius Sedans



22 Ford Ranger Escapes

Bio-diesel Tank at Public Property



Solar Project



Middlesex County Cooperative Extension Services Building

**Davidson's Mill Pond Park
North Brunswick, NJ**

Initiatives

- Over 6,000 Acres of Open Space
- 4,508 Acres of Preserved Farmland
- Recycling
- Leaf Composting
- Integrated Pest Management
- Converted 95% of County Traffic Lights to LED
- MCAT – Countywide Shuttle Transportation
- MCUA – Methane to Energy Program
- Alternative Fueled Vehicles
- Alternative Fuels

Middlesex County Grant Programs

In addition to assisting our communities with obtaining state and federal grants, the county also provides the following grants:

- Municipalities are eligible to receive \$500 per alternative fuel/hybrid vehicle with a limit of 2 vehicles per municipality**
- The Economic Development Sustainability Grant Program provides up to \$100,000 per community for Sustainability and GREEN Initiatives**

Converted 95% of County Traffic Lights to LED



MCAT Countywide Shuttle Transportation



Middlesex County is the 1st County in NJ Creating a Sustainability Plan

Middlesex County, NJ



Middlesex County Showroom of Environmental Technology - Go Green \ Save Green

In 1999, Freeholder H. James Polos created the **Middlesex County Common Cents Cooperative Purchasing Program** - a county-wide, competitive purchasing program that utilizes the buying power of the county to assist municipalities with reducing their costs for goods and services.

This Shared Services Program has offered municipalities four ways to save tax dollars:

1. Natural Gas Purchasing
2. Electricity Purchasing
3. Water / Wastewater Program
4. Equipment, services and supplies.

The Clean Air Initiative

In 2004, the Clean Air Initiative was created as part of the Common Cents Program. The county made a commitment to convert the entire county park ranger fleet to hybrid vehicles and to educate municipal governments on "green" technologies. Out of this initiative came the Middlesex County Showroom of Environmental Technology (MCSET) Program.

The Middlesex County Showroom of Environmental Technology (MCSET) Program

The MCSET Program is a unique partnership between Middlesex County, the NJ Board of Public Utilities and the NJ Department of Environmental Protection to promote clean air and water initiatives through the use of alternative fuels, energy efficiency and "green" technologies. MCSET will assist municipalities, schools and the private sector to identify and implement "green" technologies by coordinating state grants, technical assistance and county resources.

MCSET Grants to Municipalities

In September 2006, the Middlesex County Freeholders approved a \$50,000 grant program to municipalities to encourage the goals of the MCSET Program. The grant dollars will be used for the following purposes:

- \$25,000 toward the purchase of alternative fuel or hybrid vehicles. Interested municipalities are eligible to receive \$500 per vehicle with a limit of two vehicles per municipality.
- \$25,000 toward the assistance of green building construction.

Downtown Business Improvement Grant Expanded - Application criteria to this existing grant have been modified to give first priority to projects utilizing green technologies or sustainable planning.

County Statistics

Population - 745,000
Land Area - 318 square miles

Creating A Sustainable County

Published by the NJDEP's Bureau of Sustainable Communities and Innovative Technologies
www.state.nj.us/dep/dsr/dsr/bsect/SustCommunities.htm

Transportation

Hybrid Vehicles - To date, 30 hybrid vehicles (7 Toyota Priuses and 23 Ford Escapes) have been purchased by the county.

Bio-diesel - Bio-diesel is now being used by the county public works department.

Middlesex County Area Transit (MCAT) Shuttles - Started in January 2006, the MCAT Shuttle provides fixed route service for senior citizens, individuals with disabilities and the general public.

Open Space and Recreation Pedestrian / Bicycle Grant Program - In 2006, through an initiative by Freeholder Camille Fernicola, the Freeholders allocated \$500,000 towards 80% of the construction cost of eligible municipal projects involving pedestrian and bicycle improvements that complement open space and recreation facilities.

Renewable Energy

With a grant from the NJBPU's Clean Energy Program, the county plans to install a 25 kilowatt solar electric system at the Cooperative Extension building.

Recycling, Compost and Household Hazardous Waste - www.mciauth.com

Traditional household recyclables are collected in addition to tires, paint, computers and electronics. Residents are also encouraged to reduce their waste by "grasscycling" and back yard composting. Household hazardous waste can be dropped off for free during seven separate collection days during the year.

Integrated Pest Management (IPM)

In 2002, the county adopted an IPM program for all county parks and buildings.

Open Space and Farmland Preservation

Since 1994, the county has preserved 6,000 acres as open space and 4,160 acres as farmland.

Stormwater Management

The county is educating employees and residents on the importance of proper stormwater management, as well as, encouraging nonstructural stormwater management strategies (low impact techniques) for major developments.

For more information contact:

H. James Polos, Middlesex County Freeholder
Ph: (732) 249-2611, E-mail: jimp@mpm-nj.com

Old Bridge Township receives 1st County Hybrid Incentive Grant



County provides \$500 incentive for purchase of Alternative Fueled Vehicles – up to 2 vehicles per municipality



**R
V
V** **REMINGTON
VERNICK
& VENA
ENGINEERS**

CleanPower Choice Program Designation



These New Jersey organizations and municipalities have joined the New Jersey CleanPower Community Partnership Campaign and are leading local efforts to register CleanPower customers. Join these leaders and commit to preserving our climate and shoreline. To sign up or find out more, visit www.NJCleanPower.com.

ACUA

Atlantic County Utilities Authority

Borough of
Belmar

Maplewood

Environmental Advisory Committee

Middlesex County

Township of
Montclair

Princeton

Environmental Commission

Rowan University

Summit

Environmental Commission

Clean energy. Now a simple choice for New Jersey.



The **CleanPower Choice Program** from the New Jersey Board of Public Utilities' Office of Clean Energy is a simple way for you to choose electricity generated from clean, renewable energy sources that benefit climate change. Like wind, solar, small hydro, and landfill gas power. **Clean power that's good for the environment and good for New Jersey.** You'll continue to receive only one bill from your current utility, so there's only one check to write. And the cost? About \$6 to \$9 extra a month for an average New Jersey home. Clean, simple, and easy. Sign up today and make the choice for a cleaner tomorrow.

**Call now or look for the insert
in your April electric bill
for details and how to sign up.**

**So many reasons. A new, clean,
and simple energy solution.**

NJCleanPower.com 1-800-515-5353



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