

New Jersey



Public Policy and Local Government: New Jersey's Small Wind Model Ordinance

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NJBPU's role in Renewable Energy Market Development

- Established the Office of Clean Energy to manage New Jersey's Clean Energy Program
- Serves as the State Energy Office for NJ
- Coordinates the State Energy Master Plan



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- **Electric Discount and Energy Competition Act of 1999 (EDECA)**
 - Societal Benefits Charge / CRA process
 - Renewable Portfolio Standards
 - Net Metering and Interconnection
 - Definition of Class I Renewable Energy
- **New Jersey's Energy Master Plan**
- **Global Warming Response Act**



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20% reduction in energy use by 2020

- Surpass current 20% to 30% Class I RE by 2020
- Change 2.12% solar by 2020 to 2,120 **GWh**
- Develop 3000 MW offshore and 200 MW of onshore wind by 2020
- Increase the RPS for 2021 to 2025



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NJCEP Renewable Installations & Capacity

Installed Projects 2001 to 09/30/2009

Technology	# Projects	Total kW	Total Rebate \$
Solar	4,340	102,303	\$ 282,319,642
Biomass	14	25,885	\$ 12,313,624
Fuel Cell	7	1,500	\$ 4,682,312
Wind	16	7,591	\$ 3,855,787
Total*	4,377	137,279	\$ 303,171,366



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Est. October 2006
at Rowan University
Funded by USDOE

SWOT Analysis

Strengths => NJCEP Incentives; SBC, RPS, NM

Weaknesses => Siting and Financing Challenges

Opportunities => Diverse Incentives and Enviros

Threats => ...LOCAL



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SWOT Analysis

Strengths =>

Weaknesses =>

Opportunities =>

Threats =>

- Threats
 - NIMBY Effect
 - Local Zoning Ordinances
 - Lack of Information/Education
 - Confidence in Existing Wind Maps
 - State and Local Permitting
 - Environmental Concerns
 - Birds and Bats
 - Wetlands
 - CAFRA
 - Pinelands



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New Jersey's Model Small Wind Ordinance:

A model or template for customization and application by local interested parties. Can serve to facilitate wind as a permitted use in a township's land use ordinance or as a conditional use permit for an individual application where previously untreated by law.

- Wind Energy System Specific Definitions
- Height of System as high as necessary to capture the wind
- Setbacks equal to the municipality's existing building setback requirements
- Permitting Requirements
- Abandonment
- Zoning Permit Procedure



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Municipalities that have adopted a similar version of the NJ Small Wind Model Ordinance

- West Cape May – Adopted February 25, 2009
- Berkeley Township – Adopted November 25, 2008
- Beachwood Township – Adopted September 17, 2008
- Stafford Township – Adopted September 16, 2008
- Oldmans, Township of – Adopted July 2, 2008
- Brick Township – Adopted April 3, 2008
- Galloway Township – Adopted Wind and Solar ordinance on April 22, 2008
- Hillsborough Twp – Adopted December 26, 2007
- Ocean Gate – Adopted November 12, 2007



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<http://www.njcleanenergy.com/>

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More information on New Jersey's Clean
Energy Program at

www.NJCleanEnergy.com



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