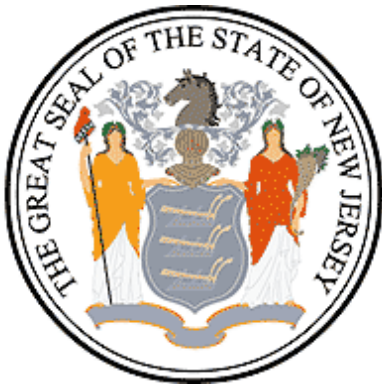




New Jersey's Clean Energy Program

New Jersey's Interconnection and Net Metering Requirements NJAC 14:4.8 and 9



Michael Winka, Director
New Jersey Board of Public Utilities
Office of Clean Energy



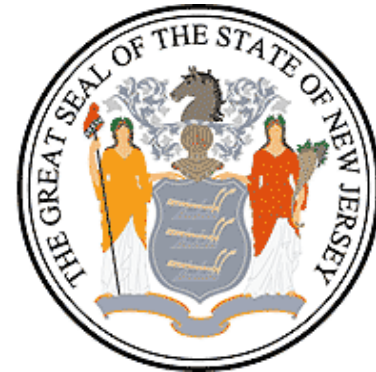
New Jersey Board of Public Utilities



New Jersey's
Clean Energy
PROGRAM™

njcleanenergy.com

New Jersey Board of Public Utilities
Office of Clean Energy



New Jersey's Clean Energy Program is a statewide program administered by the New Jersey Board of Public Utilities that promotes energy efficiency and renewable energy for all New Jersey ratepayers including residences, businesses, schools and municipalities.

New Jersey's Integrated Approach Goals and Objectives



- **EE (including CHP) and RE will provide energy growth by 2012**
- **20% annual increase in electric and natural gas energy efficiency saving**
- **300 MW of Class I RE facilities by 2008**
- **90 MW PV by 2008 (13 MW installed – 50 MW in various construction stages)**

New Jersey's Integrated Approach



- **Net Metering/
Standard Interconnections**
- **Capital Cost Incentives/Rebates**
- **Portfolio Standard –
Longer term financing**
- **Key is to reduce barriers**

New Jersey's Solar Payback and ROI



- **Average residential system (7 kW)**
- **Simple payback 10 years and ROI of 8%**
- **Avoided electric \$1000 per year**
- **Solar REC \$1000 per year**

- **Key is reduce barriers to avoid a reduction in the overall ROI**

NJ's Net Metering Interconnections Standards



- **Interconnection can apply to all DG technology but for Class I Renewables Energy Systems**
- **Net metering applies to only Class I Renewable Energy Systems**

NJ's Net Metering Interconnections Standards



- **Rules were established through a stakeholder process but need to be mindful of reducing barriers**
- **Safety in the system is key but the prevailing opinion is it my system**

NJ's Net Metering Interconnections Standards



- **Up to 2 MW – 125% of Annual Use**
- **Small Commercial Business**
Up to 10 MW peak
- **Differentiate between size and complexities**
< 10 kW Inverter-based - No fee
- **Set timeframes for review - 21 days for Level 1**

NJ's Net Metering Interconnections Standards



Ongoing work group of distribution utilities, renewable energy installers and other interested parties to resolve differences and improve the process

New Jersey's Integrated Approach



- New Jersey's Clean Energy Program:
- www.njcleanenergy.com

- Rutgers' Center for Energy, Economics and Environmental Policy (CEEPP)
- <http://policy.rutgers.edu/ceepp>

- Clean Energy Council – Committees
- **Portfolio Management Work Group**
- State Energy Master Plan and Energy data management
- Evaluation Reports



Thank you
Questions ??

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