

New Jersey Energy Master Plan Strategy Template 2005-2020

Instructions

*Use this document as a template for providing suggestions on strategies/actions for specific objectives provided in **Section 2: Goals, Objectives, and Performance Measures**. Using this page as an instruction guide, fill in the blank tables for **each recommended strategy separately and email it to energymasterplan@bpu.state.nj.us***

Objective

*List the objective from **Section 2: Goals, Objectives, and Performance Measures** for which the strategy is submitted.*

Expand solar installations on thousands of new homes, build hundreds of wind turbines and make New Jersey a hub for new technology like wave energy to beat our current clean energy standard requiring that twenty percent of the electricity coming into the state is from clean, renewable, homegrown sources.

Save energy with high performance homes, buildings and appliances so that we use ten percent less energy than we do today.

Reduce in-state global warming emissions by twenty percent below 2005 levels.

Strategy

Provide a description of the actions needed to achieve the objective.

Make New Jersey a hub for new clean energy technology and expand the use of clean energy by:

Increasing the use of solar hot water heating.

Adopt strong permitting standards for off shore wind energy generation and construct a pilot project for wind energy of at least 350 megawatts off New Jersey's coast.

Adopt renewable energy standards for utility-scale offshore wind generation and small-scale onshore wind generation.

Adopt an effective performance-based incentive program or continue and increase funding for rebates for solar and wind generation to maximize affordability and accessibility for residential customers and the growth of the clean energy market.

Require utilities to prioritize energy efficiency and conservation and renewable energy development over the construction of conventional power plants to satisfy energy demand.

Adopt a "zero homes" standard requiring a growing percentage of homes and buildings to combine high-efficiency design with on-site renewable energy generation.

Require developers to provide an option for all new homeowners to install solar panels

Responsible Party

Provide the name(s) of the agency or organization responsible for the implementation of the strategy.

New Jersey Board of Public Utilities and the New Jersey Department of Environmental Protection

Timeline of action

List the incremental timeline of action for each strategy up to 2020.

Develop a program to expand the use of solar hot water heating starting in 2007; adopt strong permitting standards for offshore wind by 2007 and finish construction of a 350 MW pilot project by 2008; within the Clean Energy Standard, adopt carve-outs for onshore and offshore wind by 2007; implement performance-based incentive pilot program for clean energy by January 2007 and develop long-term performance-based incentive program by January 2008; finalize regulations requiring prioritizing energy efficiency and renewable energy development over conventional power plants to satisfy demand by 2008; adopt and implement a “zero homes” in 2008; require developers to provide an option for all new homeowners to install solar, where feasible, by 2007

Strategy outcome

List the expected incremental outcome(s) (results) of the strategy up to 2020.

[Make New Jersey a hub for new clean energy technology, ensure that at least 20 percent of the energy consumed in the state is from clean, renewable sources by 2020.](#)

Implementation cost

Provide the implementation cost.

Minimal to no cost, work with the New Jersey Board of Public Utilities and Office of Clean Energy for an implementation strategy

Source of Funding

Provide source of funding to implement the strategy.

If incentives are needed, the New Jersey Clean Energy Fund/Societal Benefits Charge

Indicators

List the suggested indicator(s) proposed to measure performance. Provide the data source of the indicator(s)

A. Current state of indicator:

List the current value of the indicator

According to the most recent data available (2002), statewide, New Jersey emits 122 MMTCO₂ of carbon dioxide

B. Indicator Projection to 2020

Provide projected value of the indicator by 2020 to meet the expected outcome.

Make New Jersey a hub for new clean energy technology, ensure that at least 20 percent of the energy consumed in the state is from clean, renewable sources by 2020.

Reduce New Jersey's carbon dioxide emissions statewide

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