

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.*

Reduce our dependence on oil by cutting our demand for oil used in transportation to one-third below 2005 levels.

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

Strategy

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

Require the sale of energy-saving replacement tires that improve vehicle efficiency without negatively affecting safety. Automobile manufacturers typically include gasoline-saving low-rolling resistance (LRR) tires on their new vehicles in order to meet federal fuel economy standards. However, energy-saving tires are generally not available to consumers as replacements when original tires have worn out. As a result, vehicles with replacement tires do not achieve the same fuel economy as vehicles with original tires.

Responsible Party

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

The New Jersey Motor Vehicles Commission, the New Jersey Department of Transportation or the New Jersey Division of Consumer Affairs

Timeline of action

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

A standards program that required the sale of LRR tires beginning in 2009 in New Jersey—assuming the same tire-replacement schedules and per-vehicle emissions reductions found in the California Energy Commission study (the study found that LRR tires would improve fuel economy of vehicles by about 3 percent, with the average driver replacing the tires on their vehicle when the vehicles reached four, seven and eleven years of age). The law can also require tire manufacturers to provide mandatory fuel efficiency labeling.

Strategy outcome

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

[Improved fuel economy of vehicles operating on replacement LRR tires by about 3 percent, reduce carbon dioxide emissions from light-duty vehicles by about 2 percent by 2020.](#)

Implementation cost

Provide the implementation cost.

Minimal to no implementation cost, in addition to a net financial benefit to consumers through reduced gasoline costs.

Source of Funding

Provide source of funding to implement the strategy.

N/A

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

The current national fuel economy standard for light-duty vehicles is 27.5 miles per gallon.

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.

3 percent transportation oil savings for light-duty vehicles operating on replacement LRR tires of 3 percent.

New Jersey statewide carbon dioxide savings of 0.42 MMTCO₂ by 2010; 0.89 MMTCO₂ by 2020; 0.94 MMTCO₂ by 2025

SUBMITTED BY

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