

2020 Energy Master Plan

NEW JERSEY

OUTLINE OF OBJECTIVES

Greener by Design

STRATEGY 1

Reduce Energy Consumption and Emissions from the Transportation Sector -- completely electrify the sector by 2050

- Partnership to Plug In – focus on EV deployment
- Zero-Emission Vehicle (ZEV) Program MOU – deploy 333,000 light duty EV by 2025
- Implement Transit Village initiative
- PPP for battery and fuel cell technology
- Signal optimization program, EZ-Pass Tolls, diesel truck buyout

STRATEGY 2

Accelerate deployment of renewable energy and distributed energy resources

- 7,500 MW offshore wind by 2035
- 17,000 MW of solar PV by 2035
- 2,500 MW energy storage by 2035
- Establish Clean Energy Standard
- Low cost loans or financing for DER
- Update interconnection process to increase DER and EV charging

STRATEGY 3

Maximize Energy Efficiency and Conservation and Reduce Peak Demand

- Establish Clean Peak Standard
- Value stack for DER
- Appliance Standards Awareness Project (ASAP) and transparent benchmarking and labeling
- Clean Energy Financing mechanisms through the establishment of an NJ Green Bank
- New state building construction must be LEED silver

STRATEGY 4

Reduce Energy Consumption and Emissions from the Building Sector

- Incentivize transition to electrified heat pumps, hot water heaters, etc
- Electrify state facilities & develop transition plan to electrify building sector
- PPP to demonstrate electrified buildings
- Expand & accelerate statewide net zero carbon homes incentive program
- Develop EV-ready and DER-ready building codes for new multi-unit dwelling and commercial construction

STRATEGY 5

Decarbonize and Modernize NJ's Energy System

- Bi-directional grid power flow and modernized interconnection standards
- Voltage Optimization
- Promote non-wires solutions
- Utilities to establish Integrated Distribution Plans (IDPs)
- Pipeline repairs
- Modify rate design and rate-making process, i.e. Green Button Connect My Data Initiative

STRATEGY 6

Support Community Energy Planning & Action with Emphasis on Encouraging & Supporting LMI & Environmental Justice Communities

- Share Mobility Programs like bike sharing, EV taxis, electric ride hailing, EV car sharing, scooters, e-bikes
- Electrification of diesel-powered transportation and equipment
- Community Energy Plans for LMI communities
- Lifeline Program, Payment Assistance for Gas and Electric (PAGE), Winter Termination Program
- Create workforce opportunities and job training programs

STRATEGY 7

Expand the Clean Energy Innovation Economy

- Clean Energy Job Training Program, use County Apprentice Coordinators/ Pre-Apprentice in Career Education (PACE) Program
- Establish NJ Green Bank to leverage public dollars to grow private sector investment
- Establish WIND Institute
- Establish Clean Energy New Technology Incubator in New Brunswick
- Establish Clean Buildings Hub for workforce training, awareness, education