

Advancing Solar Energy with Sound Siting

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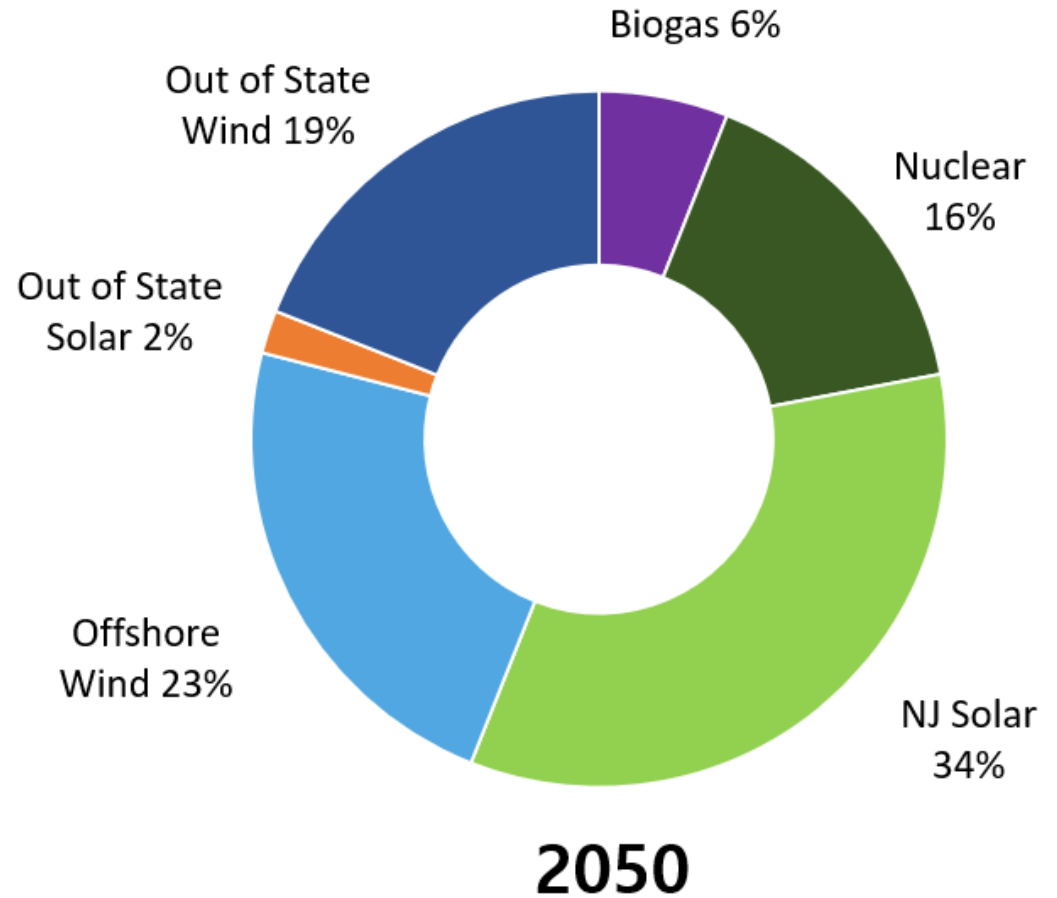
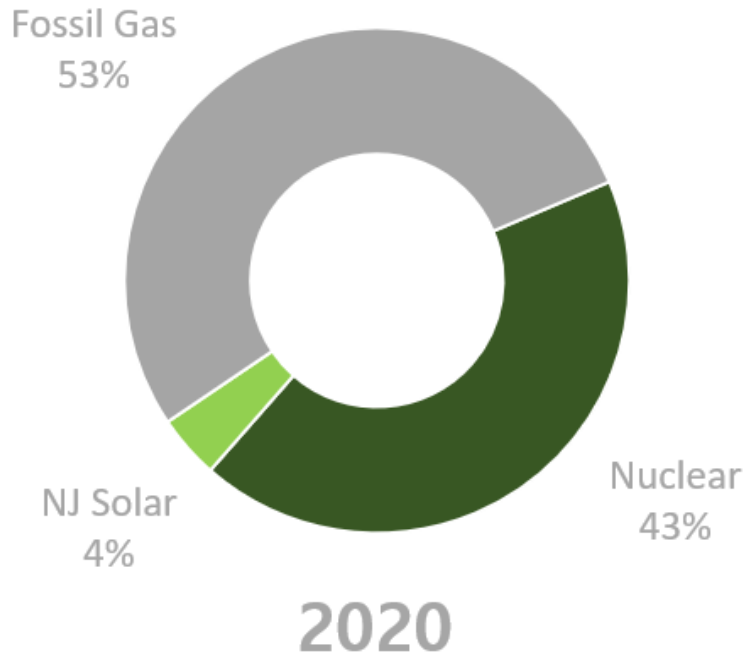
We empower New Jersey citizens by informing them about the need for a swift transition to clean, efficient and renewable energy, with reduced reliance on fossil fuels and pipelines that threaten our preserved lands, water, environment, public health and communities. We promote environmentally sound planning and siting for renewable energy infrastructure.

Clean Energy Law

- 50% RPS by 2030
- 3.5 GW offshore wind by 2030
- 2 GW storage
- Min. 2% EE
- Solar incentives
- Community solar



Energy Master Plan



Solar in New Jersey

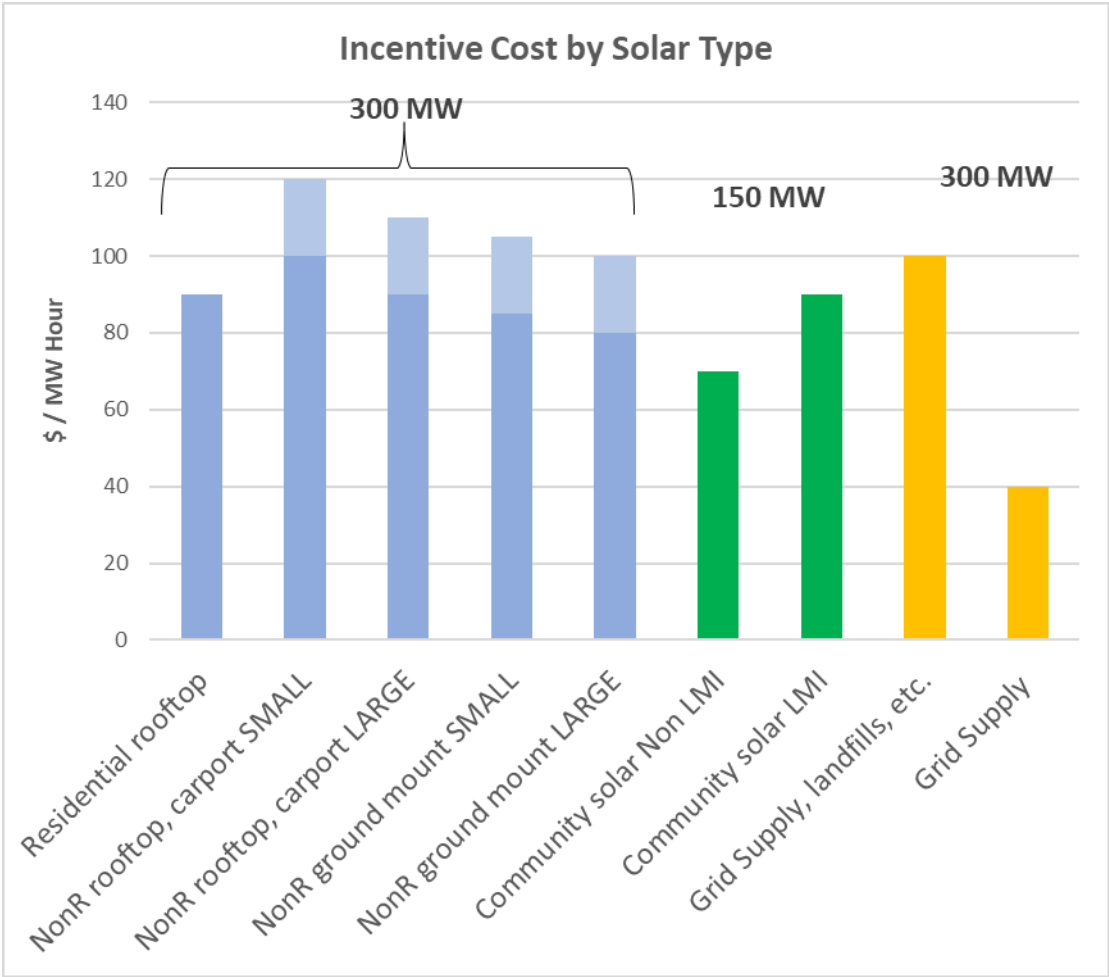
- New Jersey currently ranks 7th nationwide in installed solar photovoltaic (PV) capacity, with 3.3 GW installed as of early 2020
- Average incentive payments for new solar PV projects in New Jersey cost about 10-15 times more than incentives for comparable regional renewable energy projects
- NJ needs a judicious mix of low-cost regional clean energy resources, which maximize GHG emission reductions, and well-sited in-state solar
- Recent policies are reducing costs, expanding solar, addressing siting

Solar & Land-Use

- Solar goals: +14 GW by 2035, +29 GW by 2050
- If all of that were developed on farmland, 70,000 acres by 2035, 145,000 acres by 2050
- New Jersey is still seeking to preserve hundreds of thousands of acres of prime farmland
- Very large projects on prime farmland



Solar Mix



Solar Siting Analysis

NJ DEP Solar Siting Analysis (2017):

Preferred Areas-

- ✓ Residential areas
- ✓ Commercial rooftops
- ✓ Industrial sites
- ✓ Brownfields & landfills

Non-Preferred Areas-

- X Agricultural Areas
- X Forests, Wetlands



GIS Map: Preferred Areas represent 29% of the state

Community Solar

- Makes solar available to renters, multi-family housing
- Benefits LMI communities
- First year: 75 MW Second year: 150 MW
- Prioritizes projects on brownfields, landfills, parking lots and rooftops
- Penalizes projects on farmland, forests

Utility-Scale Solar

Utility-scale solar law (S2605) siting provisions exclude:

- Prime/SWI soils in Agricultural Development Areas
- 2.5%, waiver, 5% cap
- Forests
- Highlands, Pinelands
- Freshwater wetlands
- Green Acres
- Preserved farmland



Dual-Use Solar

Dual-Use Solar Legislation:

- Defines “dual use solar energy project” as “the energy generation facilities...**located on unpreserved farmland in agricultural or horticultural production...**”
- Cannot be in ADA on “best soils” unless project is “in association with a university research study”
- Prohibited on preserved farms
- Maximum 10 MW, 200 MW Pilot, 1,000 to 2,000 acres





Going Renewable Can't Wait.

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