



New Jersey's Energy Master Plan Update

Henry Gajda, NJBPU | September 27, 2024



New Jersey Board of Public Utilities

- To ensure that safe, adequate, and proper utility services are provided at reasonable, non-discriminatory rates to all members of the public who desire such services.
- To develop and regulate a competitive, economically cost effective energy policy that promotes responsible growth and clean renewable energy sources while maintaining a high quality of life in New Jersey.



What Policy in Action Looks Like

Advancing Equity:

- The NJBPU Community Solar Energy Program has fully subscribed its first round of 225 MW, and over 21,000 subscribers have saved over 15% on their electricity bills.
- Over 126,000 families since 2001 through the Comfort Partners Program

Driving the Clean Energy Transition:

- As of July 2024, over 203,000 solar arrays have been built; nearly 5GW in generation.
- Developing a robust portfolio of energy efficiency programs in the State
- are now 180,000 Electric Vehicles on the roads in NJ and over 37,201 incentives under the Charge up New Jersey Program for a total of \$121,486,625 has been issued; robust charging programs being implemented.
- Three successful OSW solicitations, most recent to generate approx. 3.7GW

Securing Federal Funding:

- To date, the NJBPU has secured over \$500 million in federal applications to support the clean energy transition and internet for all, including \$156 million in Solar for All funding and are currently working on completing the application steps for the ~\$183 million in federal Home Efficiency Rebate funding.

New Jersey Energy Master Plan Goals



The overarching goal of this study is to create New Jersey's 2024 Energy Master Plan (EMP), which outlines the state's strategic use, management, and development of energy.

The 2024 EMP will reflect the State's accelerated goal of reaching 100% clean energy by 2035.

The 2024 EMP will consist of several elements:



A progress report on New Jersey's successes and barriers toward meeting 2019 EMP goals



A policy analysis that includes a literature review of national best practices, executive orders, funding opportunities, and actions to inform the decarbonization scenarios



An Integrated Energy Plan based on economy-wide energy system modeling of New Jersey's pathways for meeting near and long-term climate and energy goals



An analysis of the impact that electrification and decarbonization will have on customer costs



Strategic stakeholder engagement and incorporation of feedback throughout the EMP process





Comprehensive Climate Action Plan (CCAP)

- Health impact assessment
- The CCCAP will be based off a model of economy wide criteria air pollutant emissions and associated health impacts by geographic region.
- Builds on data showcased from NJDEP's overburdened community mapping

Data Centers

- A comprehensive evaluation of potential data center growth in the State of New Jersey will be included in the EMP.
- A full suite of forecasting, development of siting framework and recommendations on large load interconnection improvements will be contained within the analysis.
- A heavy emphasis of the analysis will be placed on the interconnecting of new, large data center loads and the effect these new loads will have in combination with other electrification trends on energy supply, energy demand, and environmental goals, all of which have significant implications for the 2024 EMP.

Robust Workforce Analysis

- The 2024 EMP will include a detailed workforce analysis:
 - Will include job gains in losses across 5 Sectors (electricity, fuels, buildings, transportation and green infrastructure) and 32 subsectors
 - Program inventory that looks at the current state of the workforce and policies and programs that fund workforce development and strategies – Community colleges, tech schools, training programs, apprenticeship and re-apprenticeship programs, etc.
 - Number and location of programs (on-site, online, hybrid) – Current enrollment capacity
 - Workforce asset analysis – Wraparound services for underrepresented communities, low income communities
 - Interviews with programs, community groups, industry, labor unions, and schools, etc. to gain additional context on the state of offerings in NJ



Timeline

- After an extensive stakeholder process to take comment and feedback the EMP is developing smoothly with big milestones swiftly approaching.
- Milestone Timeline for the 2024 EMP:
 - Q3 2024 Draft of the 2024 EMP
 - End of Q4 2024 Final Document



Thank you!

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