



Electrification and Policy Inclusion

Load Analysis Subcommittee
June 26, 2023

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Resource Adequacy Planning



Energy Transition in PJM:
Resource Retirements, Replacements & Risks

Feb. 24, 2023

For Public Use

- ***Energy Transition in PJM: Resource Retirements, Replacements & Risks***
 - <https://www.pjm.com/-/media/library/reports-notices/special-reports/2023/energy-transition-in-pjm-resource-retirements-replacements-and-risks.ashx>

- Electrification sensitivity was included that was informed by Princeton Net Zero study (<https://netzeroamerica.princeton.edu/>) that crafts “potential pathways” for end-use technologies.
 - 17 million EVs
 - 11 million heat pumps
 - 20 million electric water heaters
 - 19 million electric cooktops
- Revised end-use assumptions were used as an input to load forecast model to derive new projections

- States have been encouraging electrification to meet carbon reduction goals.
 - NJ Governor Murphy issued Executive Actions 315, 316, and 317
 - <https://www.nj.gov/governor/news/news/562023/20230215b.shtml>
 - “target to install zero-carbon-emission space heating and cooling systems in 400,000 homes and 20,000 commercial properties”
 - “adopt Advanced Clean Cars II in New Jersey, which would require all new cars and light-duty truck sales to be zero-emission vehicles (ZEV) by 2035”
 - These could have meaningful impacts on energy demand beyond what is currently being accounted for in the Load Forecast.

- Are there other specific state goals/targets?
- Any feedback on state goals/targets?

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Electrification and Policy Inclusion



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