



Generation Siting and Permitting

*New York's Climate Plan: Scoping the Path to
New York's Clean Energy Economy*

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3 Main Themes:

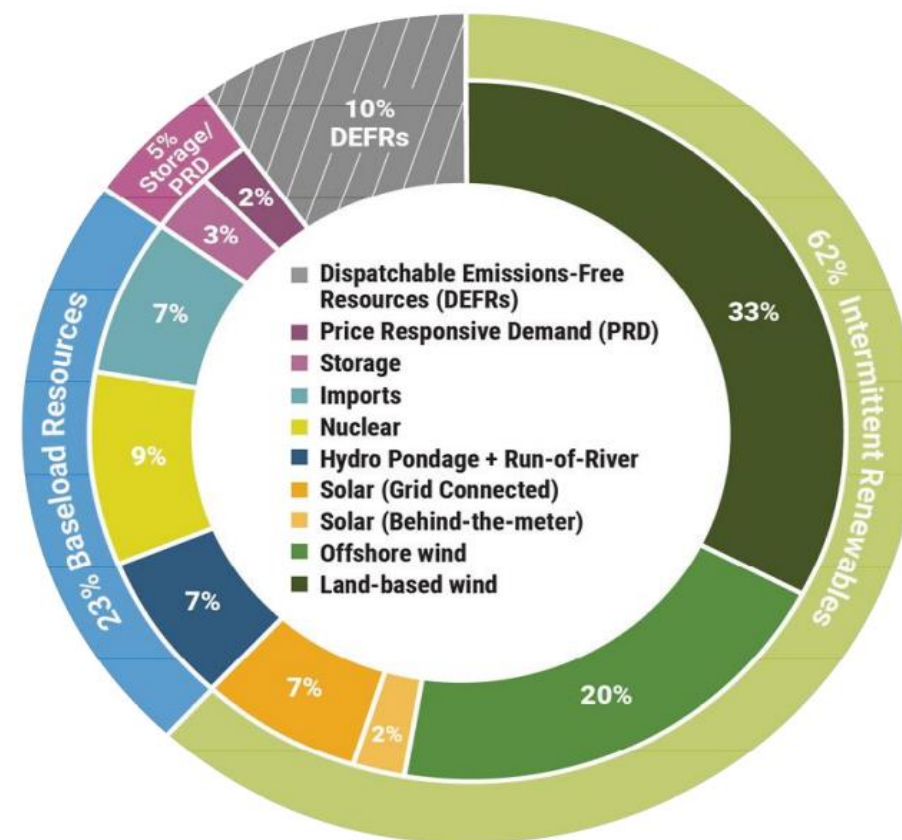
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Transforming Power Generation

- The Draft Scoping Plan calls for a significant transformation of the power sector in order to meet the Climate Act's requirements of 70% renewable electricity by 2030 and 100% emissions-free electricity by 2040:
 - Continue and accelerate deployment of new renewable generation (e.g. wind, solar, hydro);
 - Maintain the fleet of existing renewable generators;
 - Upgrade transmission and distribution to allow maximum use of renewables; and
 - Invest in energy storage technologies.

Figure 1. NYISO Climate Study: 2040 Projected Climate Act Winter Energy Production by Resource Type



Source: NYISO Power Trends 2021.

- Many programs are already in place to support and encourage these types of resources.
- Aggressive deployment of clean resources must continue.
- Effectiveness of programs and policies should be continually reevaluated and adjusted as necessary to ensure renewable energy is deployed at pace to achieve the Climate Act's targets.



Accelerate Growth of Large-Scale Renewable Generation

- Continue to evaluate and adjust policies and procurement targets to achieve Climate Act targets;
- Continue to support programs and regulatory changes, such as Build Ready and the Accelerated Renewable Energy Growth and Community Benefit Act;
- Identify transmission and distribution upgrades needed to deliver renewables;
- Engage with NYISO and stakeholders to improve the interconnection/Class Year process;
- ORES should establish annual MW-based permitting goals.

Facilitate Distributed Generation/Distributed Energy Resources

- Invest in local T&D infrastructure and increase hosting capacity;
- Reduce processing times for interconnection applications;
- Consider rate design improvements to encourage DER deployment and usage, including improvements to the VDER Value Stack and targeted incentives;
- Streamline permitting processes;
- Address resistance and concerns of host communities;
- Create or expand forums to connect communities with educational resources;
- Encourage DER aggregations; and
- Provide model “solar-ready” zoning laws to municipalities for new constructions on residential/commercial properties.

Support Clean Energy Siting and Community Acceptance

- Incentivize agrivoltaics and the integration of solar into agricultural communities;
- Develop a Clean Energy Development mapping tool;
- Provide funding support for regional planning associations and municipalities;
- Study and advise communities on implementing options for decommissioning;
- Invest in public education and outreach;
- Measure equity and local benefits.

- Existing and new long-duration storage will be needed to maintain reliability as the State approaches 2040; these technologies must be deployed well before 2040 to reach the State's goals.
- The State's Power Grid Study identified a need for more than 15 GW of energy storage to meet the Climate Act's 3 GW by 2030 requirement.
- Continue to pursue the Public Policy Transmission Planning Process to ensure the electric system is prepared for the resources required to be operational by 2040 and 2050.

- To achieve the 70x30 requirement, the State should focus on energy delivery, energy efficiency, and aggressive deployment of existing renewable energy and energy storage technologies.
- The future of advanced fuels in NY is unclear: “While they are often touted as flexible and dispatchable resources, many are also unproven at commercial scale.”



- Signed in 2019, the Climate Act requires:
 - 70% of statewide electricity come from renewable energy sources by 2030.
 - 6,000 MW of distributed solar by 2025 and 3,000 MW of energy storage be installed by 2030.
 - Reduction in GHG emissions from 1990 levels by 40% by 2030 and 85% by 2050.
- *Fall 2020*: the PSC updated the Clean Energy Standard (CES 2.0) to implement the Climate Act and provide NYSERDA with the authority necessary to procure the amount of renewable energy required by the Climate Act.
- *April 2020*: the State passed the Accelerated Renewable Energy Growth and Community Benefit Act, adopting Executive Law Section 94-c and creating ORES to administer a successor permitting process for large-scale renewables (25 MW and larger) to replace Article 10.
- *March 2021*: ORES adopted final 94-c implementing regulations.
- *September 2021*: Governor Hochul called for an expansion of the State's distributed solar program from 6,000 MW to 10,000 MW and tasked NYSERDA and DPS with developing a distributed solar roadmap to chart a path to achieve the expanded goal.
- *December 2021*: NYSERDA and DPS issued "New York's 10 GW Distributed Solar Roadmap: Policy Options for Continued Growth in Distributed Solar".

- [Case 15-E-0302](#), Clean Energy Standard (CES and CES 2.0)
- [Case 18-E-0130](#), Energy Storage
- [Case 18-E-0071](#), Offshore Wind
- [Case 21-E-0629](#), Advancement of Distributed Solar
- [Various Permit Application Proceedings](#) before ORES

- [Draft Scoping Plan](#), Chapter 13: *Electricity*
- [Climate Leadership and Community Protection Act](#) (CLCPA or “Climate Act”)
- [Accelerated Renewable Energy Growth and Community Benefit Act](#)
- [Executive Law Section 94-c](#)
- [19 NYCRR Part 900](#)



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Questions?



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