

# Distributed Energy Resources

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**ICS Meeting #286**

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# Background

- The NYISO has developed the new market participation model for Distributed Energy Resources (“DERs”) to participate in the NYISO-administered markets (including the ICAP market). Certain aspects of the proposed participation model remain pending before FERC
- Under the proposed model, various resource types (and aggregations thereof) can participate in the NYISO-administered markets and will be required to follow the NYISO’s dispatch instructions
- While there are existing approaches to model different types of ICAP suppliers, certain resource types have never been modeled in the IRM study
  - For example, aggregated resources with different fuel types and dispatchable demand response resources (i.e., different resource type than the existing Special Case Resources) have not been modeled previously in the IRM study
- Subject to approval from FERC, the NYISO anticipates seeking to implement the DER participation model in 2024. The NYISO will provide additional information regarding a proposed effective date in its upcoming filing in FERC Docket No. ER23-2040 that is due on or before February 13, 2024

# Whitepaper Objective

- **The objective of this whitepaper is to develop a set of general guidelines and principles for modeling DERs prior to market entry, based on comprehensive background research**
- **This whitepaper will aim to answer the following questions:**
  - What are the operating characteristics of DER?
    - This will include definition of DER, technology types, potential location, and other qualifying characteristics.
  - How are DER expected to participate in the ICAP market?
  - Should specific modeling approaches be considered for DERs in the IRM study, based on their characteristics and their expected market behavior?

# Timeline and Deliverables

Milestone	Date
Present Scope to ICS	01/30/2024
Finalize Scope	02/27/2024
Initial research on DER Characteristics and Expected Market Behavior	March/April 2024 (pending final scope)
Discussion and Conclusion on Modeling Considerations	April/May 2024 (pending final scope)
Conclusion and Recommendation for NYSRC Approval	May/June 2024 (pending final scope)

# Our Mission & Vision



## Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



## Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation