

# 2023-2042 System & Resource Outlook Update

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**Electric System Planning Working Group (ESPWG)**

May 3, 2024 - NYISO

# Agenda

- **Scope & Schedule Review**
- **Report & Appendix Status Update**
- **Next Steps**
- **Outlook Data Catalog**

# Scope & Schedule Review

# System & Resource Outlook Scope

## Model Development

Benchmark

Assumptions

Reference Cases

Sensitivities

Congestion Assessment

Historic & Future Transmission Congestion

Congestion Relief Analysis

## Analyses

Resources to Meet Policy Objectives

Renewable Pockets & Energy Deliverability

Renewable Generation Profiles

Future Resource Attributes

Report, Appendix, Data Catalog, & Fact Sheet

# Updated Targeted Study Schedule

2024 Q2	Month	April					May				June			
	Week	1	2	3	4	5	1	2	3	4	1	2	3	4
	<del>Capacity Expansion Model Development</del>													
	<del>Capacity Expansion Results &amp; Analyses</del>													
	Production Cost Model Development	X	X	X	X	X	X	X						
	Production Cost Results & Analyses	X	X	X	X	X	X	X	X	X				
	Sensitivities	X	X	X	X	X	X	X	X	X				
	Report & Appendices	X	X	X	X	X	X	X	X	X	X	X	X	X

# Report & Appendix Status Update

# Outlook Report & Appendix

- **As part of the 2023-2042 System & Resource Outlook report, an extensive list of appendices with technical detail and results will be included with the report**
- **Preliminary drafts of some of these appendices are included with the meeting materials**
  - The NYISO is seeking feedback from stakeholders on these draft documents
- **Additional draft appendices and the draft report will be provided in future ESPWG meetings**

# Preliminary List of Outlook Appendices

- Production Cost Model Benchmark
- Production Cost Assumptions Matrix
- Capacity Expansion Assumptions Matrix
- Modeling & Methodologies
- Production Cost Model Results
- Capacity Expansion Model Results
- Transmission Congestion Analysis
- Renewable Generation Pockets
- Renewable Profiles & Variability
- Capacity Expansion Model Sensitivity Analysis
- Dispatchable Emission-Free Resources
- Interregional



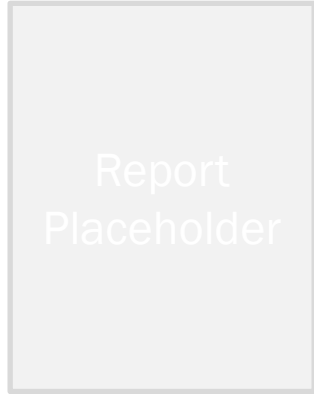
# Next Steps

# Next Steps

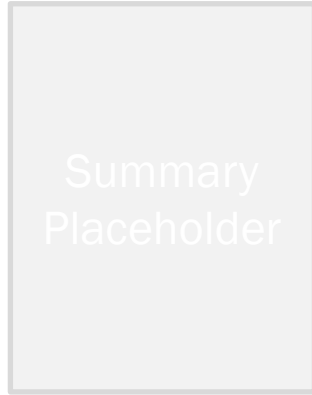
- **Finalize model development of State Scenario Policy Case in the production cost model**
- **Conduct renewable pockets analysis for the State Scenario**
- **Continue additional sensitivity analysis in capacity expansion model**
- **Continue to draft the 2023-2042 System & Resource Outlook report and appendices**
- **Continue stakeholder engagement**

# 2023-2042 System & Resource Outlook Data Catalog

Report



Study Summary



## Report Appendices

[Production Cost Model Benchmark DRAFT](#)  
[Production Cost Assumptions Matrix DRAFT](#)  
[Capacity Expansion Assumptions Matrix DRAFT](#)

## Data Documents

[Reference Case Input Assumptions DRAFT](#)  
[Reference Case Results DRAFT](#)

## Stakeholder Presentations

### November 18, 2022

[2021 Outlook Lessons Learned](#)  
[NYSERDA Outlook Suggestions](#)

### June 16, 2023

[2023-2042 Outlook Kickoff](#)

### July 17, 2023

[2023-2042 Outlook Benchmark](#)  
[2023-2042 Outlook Update](#)

### August 22, 2023

[2023-2042 Outlook Preliminary Reference Case Assumptions](#)

### September 21, 2023

[2023-2042 Outlook Reference Case Assumptions Update](#)

### October 24, 2023

[2023-2042 Outlook Reference Case Assumptions Update](#)

### November 2, 2023

[2023-2042 Outlook Reference Case Assumptions Update & Preliminary Base Case Results](#)

### November 21, 2023

[2023-2042 Outlook Reference Case Updates](#)

### December 19, 2023

[2023-2042 Outlook Reference Case Updates & Preliminary Contract Case Results](#)

### January 23, 2024

[2023-2042 Outlook Reference Case Updates](#)

### February 22, 2024

[2023-2042 Outlook Reference Case Updates & Final Base & Contract Case Results](#)

### March 1, 2024

[2023-2042 Outlook Preliminary Renewable Pocket Analysis & Preliminary Capacity Expansion Scenario Results](#)

### March 21, 2024

[2023-2042 Outlook Policy Case Updates](#)

### April 4, 2024

[2023-2042 Outlook Policy Case Updates](#)

# Questions, Comments, & Feedback?

Email additional feedback to:  
SCarkner@nyiso.com  
one week prior the next ESPWG

# 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