

2023-2042 System & Resource Outlook Update

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Electric System Planning Working Group (ESPWG)

May 14, 2024 - NYISO

Agenda

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

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

Targeted Study Schedule

2024 Q2	Month	April					May				June			
	Week	1	2	3	4	5	1	2	3	4	1	2	3	4
	Capacity Expansion Model Development													
	Capacity Expansion Results & Analyses													
	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, an extensive list of appendices with technical detail and results will be included with the report**
- **Preliminary drafts of the report and some of these appendices are included with today's meeting materials**
 - The NYISO is seeking feedback from stakeholders on these draft documents
- **Additional draft appendices and further developed versions of 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
- Dispatchable Emission-Free Resources
- Capacity Expansion Model Sensitivity Analysis
- Interregional

Preliminary drafts

Posted with 5/3/2024 ESPWG materials

Posted with 5/14/2024 ESPWG materials

Next Steps

Next Steps

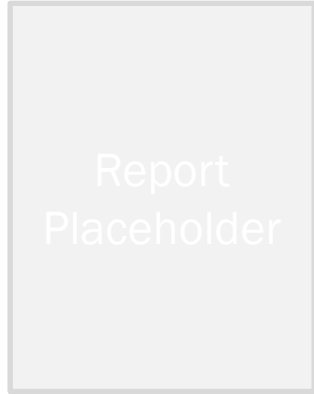
- Finalize model development of State Scenario Policy Case in the production cost model
- Conduct renewable pockets analysis for the State Scenario Policy Case
- Continue additional sensitivity analysis in capacity expansion model
- Continue development of the draft 2023-2042 System & Resource Outlook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

Questions, Comments, & Feedback?

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

2023-2042 System & Resource Outlook Data Catalog

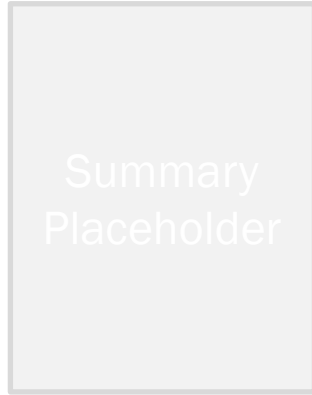
Report



Report Appendices

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

Study Summary



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](#)

April 30, 2024

[2023-2042 Outlook Policy Case Updates & Preliminary Renewable Pocket Analysis](#)

May 3, 2024

[2023-2042 Outlook Status Updates](#)

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