

# **Expedited Deliverability Study 2023-01**

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**Transmission Planning Advisory Subcommittee**

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# Agenda

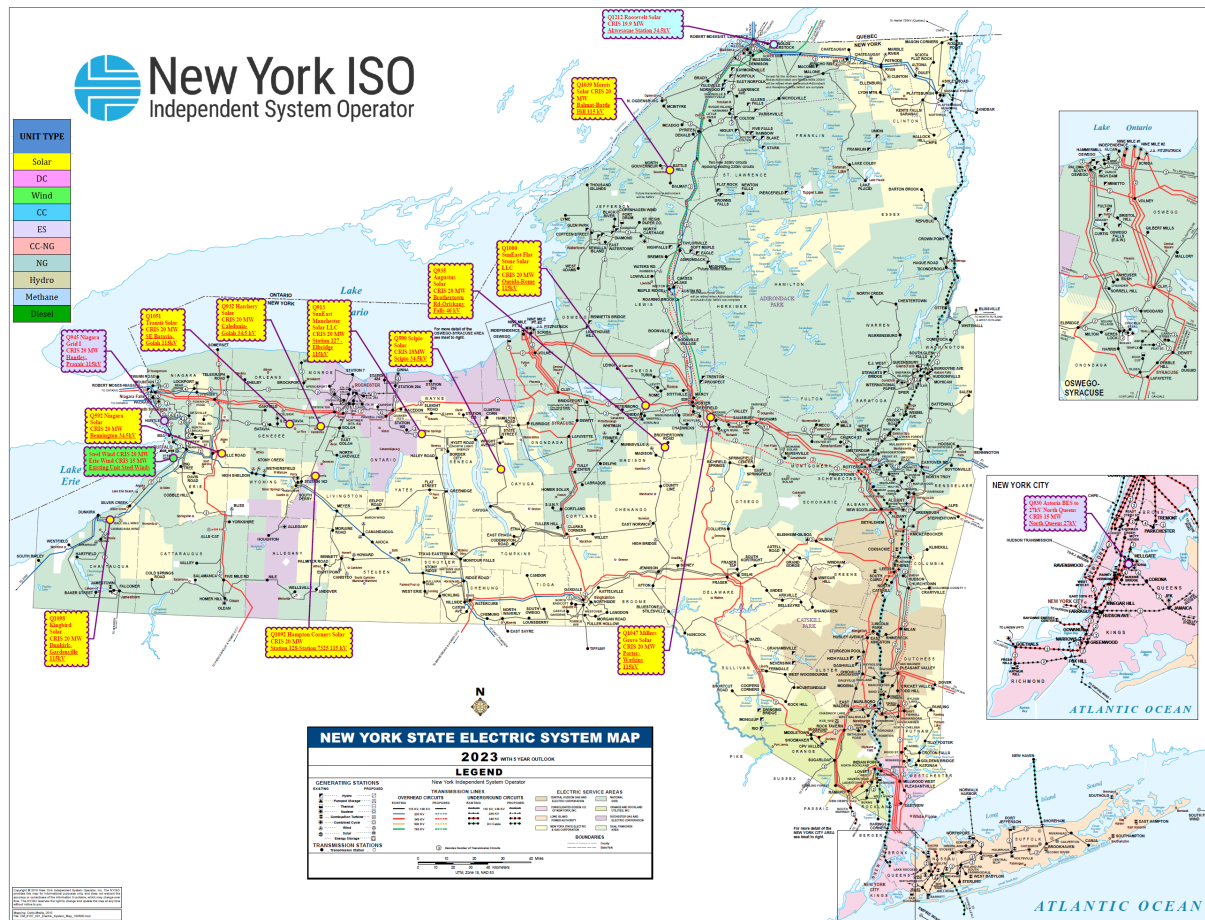
- **Projects in Expedited Deliverability Study 2023-01**
- **Expedited Deliverability Study Procedures**
- **Expedited Deliverability Study 2023-01 Results**
- **Expedited Deliverability Study 2023-01 Next Steps**

# Projects in Expedited Deliverability Study 2023-01

# Expedited Deliverability Study 2023-01 Members

PROJECT	Point of Interconnection	Zone	Requested Summer CRIS MW	UNIT TYPE	CTO
Q590 Scipio Solar	Scipio 34.5kV Substation	C	18	Solar	NYSEG
Q592 Niagara Solar	Bennington 34.5kV Substation	B	20	Solar	NYSEG
Q913 SunEast Manchester Solar LLC	Station 127 (RGE) – Elbridge (NG) 115kV Line #7-983	C	20	Solar	NM-NG
Q930 Astoria BES to 27kV North Queens	North Queens Substation 27kV	J	15	ES	ConEd
Q932 Hatchery Solar	Caledonia - Golah 34.5 kV	B	20	Solar	NM-NG
Q935 Augustus Solar	Brothertown - Oriskany Falls 46kV	E	20	Solar	NYSEG
Q945 Niagara Grid I	Huntley to Praxair 115 kV Line #47	A	20	ES	NM-NG
Q1000 SunEast Flat Stone Solar LLC	Oneida - Rome 115kV	E	20	Solar	NM-NG
Q1039 Morris Solar	Battle Hill - Balmat 115kV	E	20	Solar	NM-NG
Q1047 Millers Grove Solar	Porter - Watkins 115kV	E	20	Solar	NM-NG
Q1051 Transit Solar	S.E Batavia - Golah 115kV	B	20	Solar	NM-NG
Q1092 Hampton Corners Solar	Station 128 – Station 7325 115 kV Line #923	B	20	Solar	RGE
Q1098 Kingbird Solar	Dunkirk to Silver Creek Lines 115 kV #141/142	A	20	Solar	NM-NG
Q1212 Roosevelt Solar LLC	Akwesasne Station 825 Substation 34.5kV	D	19.9	CSR (Solar+ ES)	NM-NG
Steel Wind	Existing unit	A	20	Wind	NM-NG
Erie Wind	Existing unit	A	15	Wind	NM-NG

# Expedited Deliverability Study 2023-01 Members



# Expedited Deliverability Study Procedures

# Expedited Deliverability Study Procedures

## ■ Overview:

- The Expedited Deliverability Study (EDS) is a study to determine the extent to which an existing or proposed facility satisfies the NYISO Deliverability Interconnection Standard at its requested CRIS level without the need for System Deliverability Upgrades.
- Only a determination of deliverable MW
- If an EDS project is not fully deliverable and wants to request its full CRIS amount, it must go through a Class Year Study for the identification and cost allocation of System Deliverability Upgrades

# Expedited Deliverability Study Procedures

## ■ Eligibility Requirements:

1. Developer must provide notice to the NYISO of its elect to enter the EDS by the EDS start date
2. If requesting CRIS in a Mitigated Capacity Zone, Developer must have satisfied the data submission requirements set forth in Section 23.4.5.7.3.6 of the NYISO Services Tariff and have such data submission deemed complete by the ISO by the EDS start date
3. Project must be in service or have completed one of the following, as applicable:
  - a Class Year Study for ERIS;
  - a System Impact Study under the Small Generator Interconnection Procedures; or
  - a utility interconnection study if the facility is not subject to the ISO interconnection procedures under Attachments X and Z



# Expedited Deliverability Study Procedures

- All parties involved in performing study work shall use Reasonable Efforts to complete the study and present the EDS report to the Operating Committee to be presented to the NYISO Operating Committee for approval within 4 months from the date that the NYISO confirms receipt of all of the following:
  - the executed EDS Agreement
  - the \$30,000 EDS deposit
  - The required technical data

# Expedited Deliverability Study Procedures

- **The tariff provides for a window within which an EDS report may not proceed to the Operating Committee**
  - between Operating Committee approval of a Class Year Study and commencement of the next Class Year Study
- **EDS Decision Period**
  - There is a single decision period for an EDS
  - Within 5 Business Days following approval of the EDS by the Operating Committee (“Expedited Deliverability Study Initial Decision Period”), each Developer in the EDS shall provide notice to the NYISO stating whether it accepts or rejects its Deliverable MW, if any, reported to it by the NYISO in the EDS report.

# Expedited Deliverability Study Procedures

- Failure to notify the NYISO by the prescribed deadline as to whether a Developer accepts or rejects its Deliverable MW, if any, will be deemed an EDS Non-Acceptance Notice.
- As soon as practicable following the end of the 5-Business Day EDS Initial Decision Period, the NYISO shall report to all Class Year Developers all of the decisions submitted by Developers in the EDS.

# Expedited Deliverability Study Procedures

- At the end of the EDS Initial Decision Period, if one or more of the Developers provides Non-Acceptance Notice such Developer(s) will be removed from the-EDS and the NYISO will issue updated study results for those remaining Developers in the EDS to reflect the impact of the projects withdrawn from the EDS.

# Expedited Deliverability Study Procedures

- The revised EDS report shall include updated Deliverable MW, if any, and shall be issued within 10 Business Days following the occurrence of an EDS Non-Acceptance Event. Each remaining Developer shall be deemed to have accepted its respective Deliverable MW identified in the revised EDS report (in other words, there will be no further decision periods in the EDS).

# Expedited Deliverability Study 2023-01 Analyses

# Expedited Deliverability Study 2023-01 Analyses

## ■ Deliverability Tests

- Highway Interface Transfer Capability “No-Harm” Test
- Highway Interface “Regular” Capacity Deliverability Assessment
- Other Interface Transfer Capability “No-Harm” test
- ROS Byways “Regular” Capacity Deliverability Assessment
- NYC Byways “Regular” Capacity Deliverability Assessment

# Expedited Deliverability Study 2023-01

## Analyses

- Highway Interface Transfer Capability “No-Harm” and “Regular” Capacity Deliverability Tests
  - West Central
  - Dysinger East
  - Moses South
  - Volney East
  - Total East
- The Highway Interface “No-Harm” and Capacity Deliverability Assessment indicate that the EDS 2023-01 projects in the ROS pass the Highway No-Harm and “Regular” Capacity Deliverability tests



# Expedited Deliverability Study 2023-01 Analyses

- **Other Interface Transfer Capability “No-Harm”**
  - ROS to LHV (UPNY-SENY)
- **The Other Interface Transfer Capability “No-Harm” test indicates that all EDS 2023-01 projects pass the Other Interface “No-Harm” test.**

# Expedited Deliverability Study 2023-01 Analyses

- **ROS Byways Test**

- The ROS Byway tests indicate that the following projects pass the ROS byway test:
  - Q590 Scipio Solar
  - Q592 Niagara Solar
  - Q913 SunEast Manchester Solar LLC
  - Q932 Hatchery Solar
  - Q935 Augustus Solar
  - Q945 Niagara Grid I
  - Q1000 SunEast Flat Stone Solar LLC
  - Q1047 Millers Grove Solar
  - Q1051 Transit Solar
  - Q1092 Hampton Corners Solar
  - Q1098 Kingbird Solar
  - Steel Wind
  - Erie Wind
- The ROS Byway tests indicate that the following projects do not pass the ROS byway test:
  - Q1039 Morris Solar
  - Q1212 Roosevelt Solar LLC

# Expedited Deliverability Study 2023-01

## Analyses

- **EDS 2023-01 ROS Projects Conclusion**

- Deliverable:
  - Q590 Scipio Solar
  - Q592 Niagara Solar
  - Q913 SunEast Manchester Solar LLC
  - Q932 Hatchery Solar
  - Q935 Augustus Solar
  - Q945 Niagara Grid I
  - Q1000 SunEast Flat Stone Solar LLC
  - Q1047 Millers Grove Solar
  - Q1051 Transit Solar
  - Q1092 Hampton Corners Solar
  - Q1098 Kingbird Solar
  - Steel Wind
  - Erie Wind
- Not Deliverable:
  - Q1039 Morris Solar
  - Q1212 Roosevelt Solar LLC

# Expedited Deliverability Study 2023-01

## Analyses

### ■ NYC Byways Test

- The NYC Byway tests indicate that Q930 Astoria BES to 27kV North Queens does not pass the NYC byway test.

### ■ EDS 2023-01 NYC Projects Conclusion

- Q930 Astoria BES to 27kV North Queens Project is not deliverable.

# Expedited Deliverability Study 2023-01

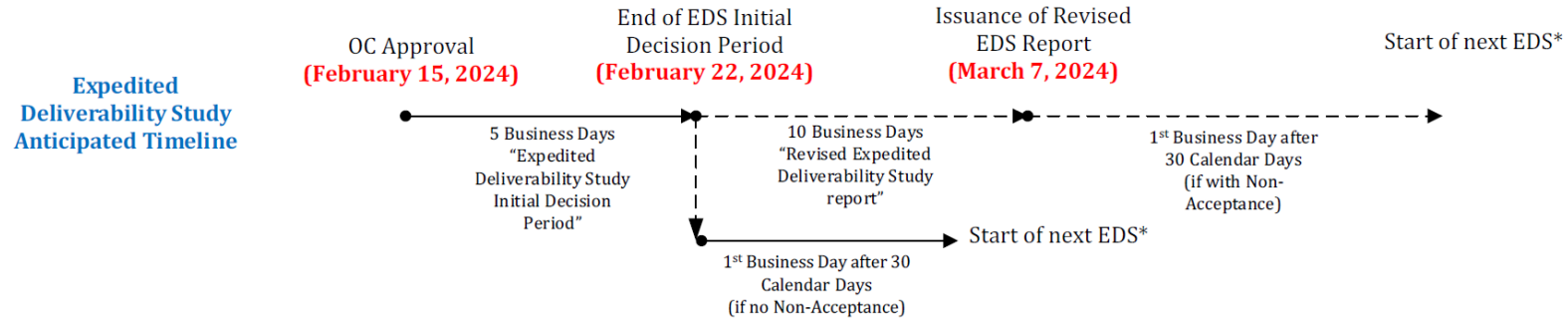
## Project Deliverable MW

PROJECT	Point of Interconnection	Zone	Requested Summer CRIS MW	Summer Deliverable CRIS MW	Winter Calculated Deliverable CRIS MW
Q590 Scipio Solar	Scipio 34.5kV Substation	C	18	18	18
Q592 Niagara Solar	Bennington 34.5kV Substation	B	20	20	20
Q913 SunEast Manchester Solar LLC	Station 127 (RGE) – Elbridge (NG) 115kV Line #7-983	C	20	20	20
Q930 Astoria BES to 27kV North Queens	North Queens Substation 27kV	J	15	0	0
Q932 Hatchery Solar	Caledonia - Golah 34.5 kV	B	20	20	20
Q935 Augustus Solar	Brothertown - Oriskany Falls 46kV	E	20	20	20
Q945 Niagara Grid I	Huntley to Praxair 115 kV Line #47	A	20	20	20
Q1000 SunEast Flat Stone Solar LLC	Oneida - Rome 115kV	E	20	20	20
Q1039 Morris Solar	Battle Hill - Balmat 115kV	E	20	0	0
Q1047 Millers Grove Solar	Porter - Watkins 115kV	E	20	20	20
Q1051 Transit Solar	S.E Batavia - Golah 115kV	B	20	20	20
Q1092 Hampton Corners Solar	Station 128 – Station 7325 115 kV Line #923	B	20	20	20
Q1098 Kingbird Solar	Dunkirk to Silver Creek Lines 115 kV #141/142	A	20	20	20
Q1212 Roosevelt Solar LLC	Akwesasne Station 825 Substation 34.5kV	D	19.9	0	0
Steel Wind	Existing unit	A	20	20	20
Erie Wind	Existing unit	A	15	15	15

# Expedited Deliverability Study 2023-01 Next Steps

# Expedited Deliverability Study

## Next Steps



\*Att. S 25.5.9.2.1 Study Start Date, Entry Requirements and Schedule

-An expedited Deliverability Study may not commence during the period between the posting of the draft Class Year Study report for Operating Committee approval and commencement of the next Class Year Study

# Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system





# Questions?