

Paragraph 5. I. Draft Customer Notification of Potential Need for an ASO Study

December 23, 2019

Distributed Generation Interconnection

National Grid Reporting Requirements – Affected System Operator Studies

I. A draft written notification to potentially affected Distributed Generation(DG) applicants for Department review. The written notification should include: items a-e above, and potential impacts on interconnection timelines and costs:

Narragansett Electric Company (NECo) has identified, at this point in time, 15 Interconnection Service Applications totaling approximately 89.0MW in Western Rhode Island.

Independent System Operator of New England (ISO-NE), in collaboration with New England Power(NEP), have determined that an Area ASO Level 3 Comprehensive Transmission System Impact Study has been found to be necessary. The Area ASO Level 3 Comprehensive Transmission System Impact Study is estimated, at this point in time, to take 6-9 months and won't commence until after the completion of the ongoing RI DG Area ASO Level 3 Comprehensive Transmission System Impact Study. The cost of this study will be allocated amongst all applicants on a per MW basis and is estimated, at this point in time, to be in the range of \$2,000 to \$5,000/MW.

- a) **An explanation of why NECo believes there is a potential need for an ASO study:** ISO-NE, in collaboration with New England Power(NEP), have determined that 15 applications, totaling approximately 89.0 MW in NECo's service territory in **Western** Rhode Island will require further analysis. The list of affected applications is shown in section (f) below. NECo's transmission provider in the area, New England Power Company (NEP), has worked with ISO-NE to determine that a Level 3, Comprehensive Transmission System Impact Study will be required for these applications which are looking to interconnect at a multiple transmission injection points. None of these applications have received an Interconnection Service Agreement (ISA).
- b) **Whether and what additional information is needed to determine if an ASO study is necessary:** No additional information is needed at this time.
- c) **Expected date when NECo will know whether an ASO study is necessary:** National Grid, working with NEP and ISO-NE has found it necessary that a DG Area ASO Level 3 Comprehensive Transmission System Impact Study is required for these projects.
- d) **Areas/substations potentially impacted:** The areas and the substations are in **Western** Rhode Island region of NECo's service territory:

Power Supply	Substation	# of Apps	AC Rating (kW)
Western NECo	Chase Hill	2	9450
Western NECo	Drumrock	1	4975
Western NECo	Farnum Pike	1	8000
Western NECo	Hopkins Hill	1	3750
Western NECo	Kent County	3	17625
Western NECo	Kenyon	4	19600
Western NECo	Westerly	1	5625
Western NECo	Wood River	2	20000

- e) **Number of DG applications potentially affected and total associated MWs:** There are 15 applications that are potentially affected that include an approximate total of 89.0MW.