

## Distributed Generation Interconnection

### National Grid Reporting Requirements – Affected System Operator Studies

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

February 14, 2019

Narragansett Electric Company (NECo) has recently received 6 Interconnection Service Applications (applications) involving approximately 40.8MW in the western Rhode Island area of their service territory. Your application is part of this grouping.

New England Power (NEP), in coordination with ISO-NE, has determined that a DG Area ASO Level 3 Comprehensive Transmission System Impact Study (DG Area ASO Study) has been found to be necessary. The DG Area ASO Study is estimated, at this time, to take 6-9 months and will not commence until after the completion of the ongoing DG Area ASO Study – Phase I. The cost of this newly proposed DG Area ASO Study – Phase II will be allocated amongst all applicants on a per MW basis and is estimated, at this 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:**

New England Power (NEP), in coordination with ISO-NE, has determined that these 6 applications, totaling approximately 40.8MW in the western Rhode Island area of NECo's service territory will require further study and at this point will be grouped with 15 other applications in queue also located in the western Rhode Island area of NECo's service territory.

A DG Area ASO Study will be required, at this point, for these applications which are proposing to interconnect at multiple transmission injection points. None of these applications have received an Interconnection Service Agreement (ISA).

The list of affected substations is shown in section (d) below.

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:**

NEP, in coordination with ISO-NE, has informed NECo that it has been determined that a DG Area ASO Study is required for these projects.

d) **Areas/substations potentially impacted:**

The areas and the substations are in western Rhode Island area of NECo's service territory:

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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	9	58375
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:**

With the addition of these 6 applications, the new DG Area ASO Study – Phase II, at this time, will consist of 21 applications, totaling 127.8 MW.