

ASO Study Biweekly Report to Impacted Customers

This is Eversource's fourth biweekly report to customers impacted by the five Affected System Operator (ASO) studies announced on October 24, 2019.

As a follow up to the Dec. 12 ASO Study kickoff meeting, Level 0/1 ASO study customers were sent an email on Dec. 18 asking that they opt in or opt out of the study within 10 business days. This deadline for opting in or opting out is approaching on January 6th (Monday). If customers chose to opt in, payment must be provided by January 20th. As a friendly reminder, if no response is provided that will be considered an opt out. Account Executives will be following up via phone to projects who have not yet responded.

Within the next few days, Level 3 customers will receive a checklist of technical data that they should begin gathering in preparation to provide to Eversource prior to the study commencing in late March 2020. Eversource is currently awaiting finalized information and verification from ISO-NE on the generic Western Electricity Coordinating Council (WECC) model for projects between 1-5MW.

ASO information and materials, including the kickoff meeting presentation and FAQs, can be found on the ASO Website:

<https://www.eversource.com/content/ema-c/about/about-us/doing-business-with-us/builders-contractors/interconnections/massachusetts/affected-system-operator-studies>

1. What additional information is needed to determine if an ASO study is necessary?

Eversource issued initial ASO Study notifications on Nov. 13 to all applicants that were identified as requiring a Level 0/1 or a Level 3 ASO study. Eversource has increased its communications with ISO-NE from monthly to daily to solidify project study level determinations and groupings.

As of Nov. 21, there has been no change to the need for these five ASO transmission study groups as defined.

2. When will the EDC know whether an ASO study is required?

As noted above, ASO studies will be required and five ASO transmission study groups have been developed. The ASO studies have not yet commenced. The Level 0/1 studies will need to be completed before the Level 3 studies can begin. An overview summary of the next steps and overall process is described below with status updates for reference:

- Eversource held an ASO Study Customer Kickoff meeting on Dec. 12 at Eversource's Westwood, Massachusetts office.
- Customers identified for the Level 0/1 studies will review the study cost provided by Eversource.

- Customers identified for the Level 0/1 studies will opt in or opt out within the timeframe communicated to them (January 6); if the customer opts in they will need to formalize this with the study payment.
- Customers identified for the Level 0/1 studies that opt in must pay for the studies by January 20, 2020.
- Eversource will request additional technical information and models from customers participating in Level 0/1 studies, if needed. For customers in a Level 3 study, Eversource will share technical data request list over the next few weeks to support customer data gathering.
- Customers will provide information as requested.

For Level 0/1 studies, the studies can commence once all impacted customers opt in or out and complete payment. Eversource will provide an update on the Level 0/1 ASO study start date as the payment due date approaches via the biweekly report.

For Level 3 studies, the steps above need to be completed for all customers in the three eastern MA ASO study areas and the two western MA ASO study areas; at that time both Level 3 studies can commence. Exact dates for Level 3 studies to commence are not known at this time, Eversource is aiming to receive all customer requested technical data back by March 16, 2020 so the scopes of the projects will be locked and ready for the Level 3 ASO study to commence thereafter.

3. What are the potential impacts on interconnection timelines and costs?

At this time for planning purposes, Eversource anticipates Level 0/1 studies to cost approximately \$60,000 (or about \$500/MW) and take around three months from study commencement. Level 3 studies will begin once Level 0/1 studies are complete so that the applicable transmission and distribution upgrades are known and can be modeled in a Level 3 study. The Level 3 study typically takes about nine months from commencement.

Exact costs for Level 3 studies are unknown at this time due to variables such as potential changes in ISO-NE study requirements, as well as customers who may choose to opt out of the study, thereby increasing the cost to the remaining applicants. However, for planning purposes costs may range from \$5,000 to \$15,000 per MW, with the Greater Boston and Springfield areas at the top of this range.

4. Are there any proposed resolutions that the EDC is exploring to enable some affected DG applicants to proceed with the interconnection process prior to completion of the ASO study?

Eversource is continuing to proceed with distribution-level studies while ASO transmission-level studies are getting ready to be conducted. This is being done to reduce the distribution-level study wait time and increase value to customers.

Projects that had interconnection service agreements (ISAs) prior to the ASO study announcement on Oct. 24, 2019 that required transmission studies will continue with their separate transmission studies outside of these five ASO group studies. Eversource is also continuing to perform distribution group studies where the same customer has multiple projects in sequence on a single circuit.

5. How does the EDC plan to address the situation and minimize delays to interconnection timelines of (potentially) affected DG applicants?

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