

ONCOR ELECTRIC DELIVERY SECURITY REVIEW FOR ADDED LOAD

LOAD ADDITION STUDY QUESTIONNAIRE

Typically the following data is required and must be provided in order to perform a Security Review to determine if Oncor Electric Delivery has any security concerns with this request. If Oncor Electric Delivery determines that a security concern exists, a more comprehensive Load Addition Study (Security Study) is necessary. Please respond to the applicable questions and provide the answers to the person identified below.

DATE: _____

CUSTOMER NAME: _____

RESPONDENT: _____

LOCATION: _____

1. Approximately when will the new load be added?
2. Will the load addition be served from an existing substation? If yes, please identify the Substation, transformer, location, and voltage of the requested interconnection. If no, please list an approximate description of where a new substation or transformer will be located in order to serve the new load (e.g. between Oncor Electric Delivery transmission line structures nos. ___ & ___, or in Customer's existing _____ Substation).
3. Will Oncor Electric Delivery or the customer own the new substation or transformer?
4. For load in a new station, what size substation transformer (MVA both minimum and maximum ratings) will be associated with the new load? Typical sizes are 8.4/10.5, 16.8/28.0, and 28/47 MVA.
5. What is the planned transformer impedance at the transformer's base MVA rating?
6. What secondary voltage will the load be served at (25 kV, 12.5 kV, 4.16 kV, etc.)?
7. How much load is being added (MW)? (Please provide a time line for this load addition and planned future loads over the next five years.)
8. Is any of this new load actually being removed from an existing service point? If so, describe the service point (Substation, Feeder, or another part of Oncor Electric Delivery's service area).
9. What is the power factor at peak load? State the location where measured such as high-side or low-side of your transformer.
10. If Customer will build any transmission (>60 kV) or distribution (<60 kV) lines, please specify the voltage and conductor size of each and specify length of proposed customer-owned transmission lines. Oncor Electric Delivery may require a Customer to provide a breaker at the tap point (see Substation Standard 500-250 or 500-251 as appropriate) for Customer-owned transmission lines (tap sections) in excess of 1000 feet.

11. Please provide a detailed one-line diagram with all proposed devices. Electronic copies of the one-line diagram are preferred (a scanned file or other file compatible with MSWord). If an electronic copy of the one-line diagram is not available, a hard copy will be accepted.
12. Please provide a survey or detailed site plan if any easement or right of way encroachments will be requested from Oncor Electric Delivery.
13. Please provide a list of all motors associated with the load addition and answer questions 14 through 18 below for each motor. This listing applies to motors 500 hp or greater, or any motors with special starting characteristics.
14. What is the horse power rating of the each motor?
15. What code (A, B, C, D, etc...) is each motor?
16. What is the rated motor voltage of each motor?
17. If there are any step down transformers between the motor and substation transformer, list the size, voltages, and impedance of each transformer.
18. What is the minimum voltage required for starting the motor?
19. When the Customer's project is sufficiently developed from a configuration standpoint, a proposed relay functional one-line diagram must be provided for review by Oncor Electric Delivery Transmission System Protection.
20. Are there any customer requirements for redundant transmission service?

If a Security Study is necessary, Transmission Services will be in touch with an approximate schedule to complete the study and cost for the study, if applicable. In some cases, an agreement may be necessary and some charges for the work may apply.

Please email, fax or mail your response to:

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