LARGE LOAD SUBSYNCHRONOUS SURVEY r5

This survey helps ERCOT determine studies required, particularly Subsynchronous Oscillation (SSO) and the level of modeling detail needed. **If your plans change, please contact ERCOT and submit an updated form.**

Please answer below using drop-down boxes (click on the word ‘Select’ and a drop-down button  will appear). Feel free to add comments after the boxes.

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| 1. Load name and/or ID |  |
| 1. Specify load location and interconnection voltage |  |
| 1. Load customer email contact |  |
| 1. Will the load require new transmission transformers (e.g. 345 kV to 34.5 kV) or utilize existing transformers? If existing, specify the station name. | (Select transformer) |
| 1. Provide estimated load percentages | Power Electronic / Computer:  Air-Conditioning Compressor:  Fans / Pumps / Motor: |
| 1. For datacenter loads, will the data center be fed through an uninterruptible power supply (UPS)? Does the UPS have the ability to condition incoming power (e.g. if the incoming voltage is too high or low, the UPS will condition it rather than switch over to a backup energy source)? | (Select UPS)  (Select UPS operation) |
| 1. For datacenter loads, specify the approximate wattage and voltage of an individual unit | E.g. 3000 watts, 240 volts |
| 1. How will your facility correct the power factor at the point of interconnection? (Even if the individual loads are unity power factor, step-down transformers will cause the facility to absorb reactive power.) | (Specify power factor correction) |
| 1. Please provide the following documents. If not currently available, provide an estimate when they may be available. If unable to obtain, please why. Items b – e apply only to datacenter computer power supplies.    1. High level one-line of electrical distribution    2. Model/brand of computer power supplies    3. Photograph of computer power supply circuit board (an opened computer power supply)    4. Schematic of computer power supply    5. SPICE electrical model | (Provide as separate attachments.) |

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| Notes |

Submit to your TSP contact and [largeloadinterconnection@ercot.com](mailto:largeloadinterconnection@ercot.com) and [Jonathan.Rose@ercot.com](mailto:Jonathan.Rose@ercot.com) .