Large Load Interconnection

Application for a Preliminary Assessment

I. APPLICABILITY

Upon request, El Paso Electric Company (EPE) can provide a preliminary assessment for the interconnection of a Large Load Facility to the EPE system.[1] This Application is for use by:

- An entity seeking to interconnect load of 20 MW or greater to the EPE system (a "Load-Only interconnection"), or
- An entity seeking to co-locate load of 20 MW or greater with generating facilities in a configuration in which either the load or the generating facility (or both) are interconnected or to be interconnected to the EPE system (a "Hybrid Interconnection").

II. PRELIMINARY ASSESSMENT SCOPE

The preliminary assessment is to be performed by EPE using a currently available base case, and is for the purpose of offering steady state - thermal overload study results, based upon the type of load, the size of the load, the location of the load, and the Applicant's estimate of when the interconnection is desired to occur. In addition, for a "Hybrid Interconnection," the steady state - thermal overload study results will also be based upon the information provided by the Applicant on the type, location, year and size of the co-located generating facilities. EPE will not create new base case models for the preliminary assessment. EPE aims to offer preliminary study results to the Applicant using an as-available power flow model for steady state analysis. This steady state analysis is based on two (and up to three) singular snapshots in time where the electric system facilities (such as generators, transmission lines, transformers, etc.) are modeled as fixed and load is modeled as a constant. EPE then would examine whether the addition of the requested large load triggers faults that would cause the system to become unstable, or cause inability to maintain equilibrium.

[1] This process could be updated at EPE's discretion and if the applicable regulatory requirements change.

The steady-state analysis is to evaluate the load at the following two snapshots in time:

- The time of initial interconnection, and
- The time of full ramp-up of the Applicant's load.

In addition, the Applicant may request an evaluation of a mid-point snapshot (a snapshot at some point in time after the initial interconnection and before the time of full load ramp-up), if desired.

If the Application identifies co-located generation, the type and size of the generating facilities at the time of the initial interconnection and at the time of full build-out will be considered in the study. The co-location generation will be treated as an energy resource only for this load.

When EPE presents the results of the preliminary assessment to the Applicant, EPE will include a preliminary identification of facility installations that would be necessary, based solely on the steady-state study results. The Applicant then will have 30 days to decide whether to exit the study process or to request that EPE move forward with the next stage of required studies. Before a large load is interconnected to the EPE system, additional studies beyond the scope of the preliminary assessment will be required. The following types of studies are not covered under the preliminary assessment's scope, but necessary for interconnection are: transient stability (dynamic) analyses that examine the system from the start to the end of a disturbance to determine if the system regains a state of operating equilibrium and electromagnetic transient (EMT) analyses, after which a comprehensive identification of facilities and a cost estimate are developed and provided to the Applicant.

This preliminary assessment is not binding upon EPE, or the Applicant. In submitting an application for a preliminary assessment, the requester is not obligated to pursue the interconnection. In performing a preliminary assessment, EPE is not bound by the assessment's results. Further study work may identify system impacts other than those identified in the preliminary assessment.

The Applicant has an option to request that EPE proceed directly to the full package of studies necessary for interconnection (steady state, transient stability, and EMT), instead of being given a 30-day review window for the steady-state study results before deciding whether to proceed with the other studies. In the Applicant elects that option, the Applicant should submit a signed study agreement and the associated Appendix along with the study deposits identified there.

III. STUDY FEES AND SUBMISSION INSTRUCTIONS

Applications to request a preliminary assessment should be submitted via email to largeloadservice@epelectric.com. Within 24 hours of submitting the Application, Applicants will be provided with detailed instructions on how to submit the study deposit of $275,000. The Applicant will need to submit additional deposit if the study costs exceed the initial deposit.

Applicants may add attachments to the Application, as necessary.

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APPLICATION

Name of Applicant (Entity): _____

Name of Individual Representing Applicant: _____

Representative's Title: _____

Contact Phone Number: _____

Contact Email: _____

Applicant's Proposed Project Name (if any): _____

1. This Application is for (check one):

☐ New Load-Only Interconnection

☐ Existing Load-Only Facility Requesting Additional Load

☐ Hybrid Interconnection (Large Load Co-Located with Generating Facility(ies))

2. Type of Large Load Interconnection Requested (check one):

☐ Load-Only Interconnection with EPE Providing *Firm Network Service* to the Interconnected Load

☐ Load-Only Interconnection with EPE Providing *Non-Firm Service* to the Interconnected Load

☐ Hybrid Interconnection with EPE Providing *Firm Network Service* to an Identified Portion of the Interconnected Load (with Co-Located Generation Responsible for the Remaining Portion). Specify whether the Co-Located Generating Facility is behind the meter (behind the load) or directly connected to the EPE system (check which one applies to the configuration of your project):

- Generation behind the meter _____
- Generation directly connected to the EPE system _____

☐ Hybrid Interconnection with EPE Providing *Non-Firm Service* to an Identified Portion of the Interconnected Load (with Co-Located Generation Responsible for the Remaining Portion). Specify whether the Co-Located Generating Facility is behind the meter (behind the load) or directly connected to the EPE system (check which one applies to the configuration of your project):

- Generation behind the meter _____
- Generation directly connected to the EPE system _____

3. Identification of the Load Type (check one):

☐ Data Center

☐ AI Training

☐ AI Infrastructure

☐ Crypto Mining

☐ Hydrogen Production Facilities

☐ Arc Furnaces

☐ Multiple Loads

Specify Load Type and estimated Percentage:

Load Type 1 _____ Percentage % _____

Load Type 2 _____ Percentage % _____

Load Type 3 _____ Percentage % _____

☐ Other - Specify the Type of Load: _____

4. Maximum Load:

☐ Maximum Right to Withdraw Power from the EPE system:

____ MW/hour

5. Facility Site Information:

- Location of the proposed new Large Load Facility site or, in the case of an expansion or replacement of an existing load facility, the name and specific location of the existing facility. Include city, state, zip, size of the lot, zoning classification.

  _____

  _____

  _____

. Location of the point of interconnection to the EPE system (if known). Fill in with a reference to an address or parcel number, county and state, or a reference to an existing or new EPE substation.

  _____

  _____

  _____

- Include a conceptual site plan as an Attachment.

6. Provide the date on which Applicant seeks to have its interconnection to the EPE system in service. If Applicant expects to ramp up its load over a period of years, provide a multi-year load ramp-up schedule, to the extent known, to include co-generation if a Hybrid Interconnection.

Expected In-Service Date (MM/YYYY)	Requested Ramp Up Load (MW)	Co-Located Generation[2] (MW)	Requested Cumulative Load (MW)	Check a Single Mid-Point Box for Study, if Desired
				Applicant's Load at the Time of Interconnection
				☐
				☐
				☐
				Applicant's Load at the Time of Full Load Ramp-Up

[2] Connecting one or more generating facilities to the EPE system requires evaluation by EPE. A separate generator interconnection process will apply.

7. Has any of the identified generating facilities already submitted to EPE a request for generator interconnection service? If yes, identify the generating facilities and their size. Indicate if it will be acceptable to directly assign a specific generation facility to serve the load.

_____

_____

_____

8. Facility Technical Information

☐ Interconnecting Voltage Level: ☐ 115kV ☐ 345kV ☐ Other ____ kV

☐ Project Coordinates

☐ Facility layout & site plot in a kmz and pdf format, if available

☐ One-line diagram identifying equipment connections and transformers, if available

Include general description of equipment configuration.

9. Operating assumptions, to the extent known at this time:

Maximum Peak Demand (MW): _____

Estimated Monthly Energy (MWh): _____

Estimated Load Factor (%): _____

Project Power Factor (Typical range: 0.98 - 1.00) _____

Number & Type of Motors larger than 500 KW?

_____

Equipment Harmonic Sources:

_____

Identify timing of peak load, including, for example, any expected rapid variations within a second or less, and any time of day and/or seasonal load characteristics:

_____

_____

_____

_____

_____

10. Electrical Load Profile

Year	Expected Load (MW/MVAR)	Facility Load Type	24 Hour Peak Load Profile		
			6am – 1pm	1pm – 9pm	9pm – 6am
_____	_____ / _____	_____	☐	☐	☐
_____	_____ / _____	_____	☐	☐	☐
_____	_____ / _____	_____	☐	☐	☐

Additional Load Profile Details/Notes:

_____

_____

_____

_____

_____

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SIGNATURE REQUIRED

Applicant's Representative to sign below and submit the signed Application to EPE, together with the attachments identified in the Application, and a $275,000 study deposit.

Signature: _____

Printed Name: _____

Date: _____