

## Study Requirements

### Check list for Study Agreement Acceptance for your Generation Interconnection Request

#### Feasibility Study

Appendix 2 to GIP (Fully completed (including Attachment A), Signed and dated )

[http://sppoasis.spp.org/documents/swpp/transmission/studies/Appendix\\_2\\_Attachment\\_A\\_FBS.pdf](http://sppoasis.spp.org/documents/swpp/transmission/studies/Appendix_2_Attachment_A_FBS.pdf)

Study Fee of \$10,000 for new request (if wire, please put project name in description field or GEN # if known)

#### PISIS Study

Applicable Study Fee for Request (if wire, please put project name in description field or GEN # if known) - See guidelines for study deposit amounts based on MW amount.

Appendix 3 to GIP (Fully completed (including Attachment A), Signed and dated )

[http://sppoasis.spp.org/documents/swpp/transmission/studies/Appendix\\_3\\_Attachment\\_A\\_PISIS.pdf](http://sppoasis.spp.org/documents/swpp/transmission/studies/Appendix_3_Attachment_A_PISIS.pdf)

- Main Substation Transformer data sheet. Data should include all ratings and impedances on the self-cooled rating. (Preferably in the form of Attachment A to Appendix 3.)
- Generator Step-Up Transformer data sheet. Data should include all ratings and impedances on the self-cooled rating. (Preferably in the form of Attachment A to Appendix 3.)
- Transmission line parameters (impedance values, R and X, and line charging B, all in per unit) and length of the transmission line connecting the customer's generation facility to the Point of Interconnection.
- Collector System impedance data in Excel format that corresponds to collector system layout (geographical and electrical).
- PSS/E dyre files and library/object files compatible with Versions 32.2 and 33 and user guide for files.

#### DISIS Study

Applicable Study Fee for Request (if wire, please put project name in description field or GEN # if known) - See guidelines for study deposit amounts based on MW amount.

Security Deposit (\$1000/MW)

A Letter of Credit may be used in lieu of the security deposit. Please work with Phil McCraw (pmccraw@spp.org) of Risk Management on the specifics needed in your Letter of Credit. The name on the Letter of Credit should match exactly to the name on the agreement or state for benefit of the name on the agreement.

Appendix 3A to GIP (Fully completed (including Attachment A), Signed and dated )

[http://sppoasis.spp.org/documents/swpp/transmission/studies/Appendix\\_3A\\_Attachment\\_A\\_DISIS.pdf](http://sppoasis.spp.org/documents/swpp/transmission/studies/Appendix_3A_Attachment_A_DISIS.pdf)

- Main Substation Transformer data sheet. Data should include all ratings and impedances on the self-cooled rating. (Preferably in the form of Attachment A to Appendix 3A.)
- Generator Step-Up Transformer data sheet. Data should include all ratings and impedances on the self-cooled rating. (Preferably in the form of Attachment A to Appendix 3A.)
- Transmission line parameters (impedance values, R and X, and line charging B, all in per unit) and length of the transmission line connecting the customer's generation facility to the Point of Interconnection.
- Collector System impedance data in Excel format that corresponds to collector system layout (geographical and electrical).
- PSS/E dyre files and library/object files compatible with Versions 32.2 and 33 and user guide for files.

## Study Requirements

### Facility Study

IRS W-9

<https://www.irs.gov/pub/irs-pdf/fw9.pdf>

SPP Study Deposit Refund and Disposition Form

<http://sppoasis.spp.org/documents/swpp/transmission/studies/SPPStudyDepositRefundForm.pdf>

Security Deposit (\$3000/MW)

Appendix 4 or 4A to GIP (Fully completed including Attachment **A** and **B**, **Sign** and **date** )

[http://sppoasis.spp.org/documents/swpp/transmission/studies/Appendix\\_4\\_Attachment\\_AandB\\_FS.pdf](http://sppoasis.spp.org/documents/swpp/transmission/studies/Appendix_4_Attachment_AandB_FS.pdf)

One-line diagram of Generating Facility with Point of Interconnection  
(Preferably diagrams with turbine/inverter layout)

Geographical map of proposed Point of Interconnection and location of Generating Facility.

### Material Modification (Restudy) - covered under 4.4 of Attachment V (Generator Interconnection Procedures)

Customer should provide a written request to SPP detailing the proposed modification.

Updated collector system and machine parameters are required. Generator lead parameters may also be required.

Appendix 4 or 4A to GIP (Fully completed (including Attachment A and B), Signed and dated )

New generator documentation and PSSE model(s) (.lib,.obj,dyr) are required.

Study funds may be required, based upon funds remaining for study.