

# **Connection Impact Assessment (CIA) Application**

niagara peninsula energy inc.

Engineering Department | DER@npei.ca | 1-877-270-3938

#### ABOUT THIS FORM

This Connection Impact Assessment (CIA) application is to be completed by any proponent interested in connecting a Distributed Energy Resources (DER) with a project size over 10 kilowatts (kW) to Niagara Peninsula Energy Inc. (NPEI) This includes DER applying for a new CIA or for revision(s) to their original CIA. This form expresses an intent to enter into an agreement between NPEI and the customer (or host customer\* for load displacement projects) for completion of a CIA associated with connecting a DER to the NPEI. distribution grid. The CIA Application shall be part of the required servicing (electrical installation, maintenance, and operating) agreements between NPEI and the proponent. Through this process, NPEI will be the proponent's contact with the transmission system provider (e.g. Hydro One Networks Inc.) and, if necessary, the provincial market operator, namely, the Independent Electricity System Operator (IESO).

\*For Load Displacement projects, the term "host customer" refers to the owner of the load facility. The term "DER owner" refers to the owner of the DER facility.

Emergency Backup Generators should use the "Service Request Application" form which can be found online at:

https://npei.ca/information-and-resources/forms-and-applications/forms-and-applications

#### TECHNICAL REQUIREMENTS

For technical requirements of NPEI's DER projects, refer to the most recent version of the Hydro One TIR for technical interconnection requirements of DER, available at:

https://www.hydroone.com/business-services/generators/technical-requirements

#### SUBMISSION INSTRUCTIONS

Please return the completed form, fees and other required documents by mail to:

Niagara Peninsula Energy Inc. Attn: Engineering Department Generation Connection Application 7447 Pin Oak Drive Niagara Falls, Ontario, L2E6S9

#### IMPORTANT NOTES

- An engineering stamp and all red box fields (on electronic version of form) are mandatory. Incomplete applications may be returned by NPEI and will result in delays in processing your application. Click the "Validate Form" button on the top right of this page to ensure all required information is filled. If any of the required fields are not applicable to your project, type "N/A" in any required text field or "0" in any required numerical field
- NPEI specific requirements and notes are found in Sections S and T, respectively
- Applicants are cautioned NOT to incur major expenses until NPEI approves to connect the proposed DER facility.
- All technical submissions (CIA Application, Single Line Diagrams, etc.) must be signed, dated and sealed by a licensed Ontario Professional Engineer (P.Eng.).
- The proponent will pay for the CIA according to the NPEI CIA Fee Schedule.







- The siting restrictions in O. Reg. 274/18 which were administered by electricity distributors such as NPEI have been replaced by amendments to the Planning Act (Ontario) that puts siting and planning requirements for renewable DER facilities under municipal oversight. It is recommended that you discuss municipal permitting and approvals requirements with the planning department in the municipality where your DER project is located before you proceed.

| Engineering Stamp  ②                          | Application Type choose one         |                        | Date mm/dd/yyyy                   |
|---|-------------------------------------|------------------------|-----------------------------------|
|   | Program Type/Purpose choo           | se one                 | Program Type (additional details) |
|   | Project Name                        |                        |                                   |
|   | IESO Contract Number F-XXX          | XXX-XXX-XXX-XXX        | IESO Reference Number FIT-XXXXXXX |
| Ontario Corporate Number or Busine            | ess Identification Number           | Proposed In Service Da | Ce mm/dd/yyyy                     |
| If this project is a subdivision p            | project please complete th          | e following fields:    |                                   |
| Subdivision Project Name                      | riojeci, piedse compieie m          | Number of Lots         |                                   |
|   |                                     |                        |                                   |
| For certain application type se               | lections, please complete t         | he required fields:    |                                   |
| Original CIA Project ID # XX,XXX              |                                     |                        |                                   |
|   |                                     |                        |                                   |
| Revised Fields list the fields that have char | nged from your previous application |                        |                                   |
|   |                                     |                        |                                   |
|   |                                     |                        |                                   |
| SECTION B: PROJEC                             | T LOCATION                          |                        |                                   |
| SECTION B: PROJECT                            | T LOCATION                          |                        |                                   |
|   | T LOCATION                          |                        |                                   |
|   | T LOCATION                          | Postal Code            |                                   |







### **SECTION C: CONTACT INFORMATION**

CIA will be issued in the name of the host customer (load facility owner). All agreements (including CCA and DCA) are only made between NPEI and the host customer. This section is strictly to gather contact information of some of the key contacts that are involved with the project.

| Who is the single point of contact for thi            |  |
|---|--|
|   | different from host customer) Consultant   |
|   | about the <b>host customer</b> (load facility owner)                               |
| Contact Person  | Company's Legal Name   |
|   |  |
| Mailing Address including postal code, P.O. Boxes and | d Rural Routes will not be accepted  |
|   |  |
| WorkTelephone   | Cell Phone   |
| Fax Number  | Email Address  |
| Please enter the following information Contact Person | about the <b>DER owner</b> (if different from host customer)  Company's Legal Name |
|   |  |
| Mailing Address including postal code, P.O. Boxes and | d Rural Routes will not be accepted  |
| WorkTelephone   | Cell Phone   |
| Fax Number  | Email Address  |
| Please enter the following information                | about the consultant   |
| Contact Person  | Company's Legal Name   |
| Mailing Address including postal code, P.O. Boxes and | d Rural Routes will not be accepted  |
|   |  |
| WorkTelephone   | Cell Phone   |
| Fax Number  | Email Address  |
|   |  |





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# **▶ SECTION D: CUSTOMER STATUS**

| s there an existing NPEI accou                 | it at the project location | 1?                            |                     |                                    |
|--|----------------------------|-------------------------------|---------------------|------------------------------------|
| Yes No   |                            |                               |                     |                                    |
| s the account holder aware of                  | this application?          | Does your a                   | account fall within | a residential-rate classification? |
| Yes No   |                            | Yes                           | No                  | O Do not Know                      |
| Existing Account Number                        |                            | Account Ho                    | older Name          |                                    |
| Does the account holder have                   | an HST registration num    | ber? HST Number               | er                  |                                    |
| Yes No   |                            |                               |                     |                                    |
| SECTION E: EXIS  Are there existing DER at the |                            | ng (PCC)?                     |                     |                                    |
| Yes No   |                            |                               |                     |                                    |
| Existing Project Number                        |                            | Existing                      | Project Size (kW)   |                                    |
| DER type: Synchronous                          | Induction Inver            | ter based Other               |                     |                                    |
| For synchronous units                          | For                        | induction units               | Fo                  | r inverter based units             |
| Min. power limit for stable ope                | ration kw Direct           | axis sub-transient reactance  | e, X"d pu Inv       | erter rating kVA                   |
|  |                            |                               |                     |                                    |
| Direct axis sub-transient reacta               | nce, X"d pu Direct         | axis transient reactance, X'c | d pu Ma             | ximum continuous power output kw   |
| Direct axis transient reactance,               | K'd pu Total I             | PF correction installed kVAR  |                     |                                    |
| Direct axis synchronous reacta                 | nce, Xd pu                 |                               |                     |                                    |
| Zero sequence reactance, XO p                  | 1                          |                               |                     |                                    |
|  |                            |                               |                     |                                    |





# **▶ SECTION F: PROJECT INFORMATION**

| Station Name (optional to                           | leave blank for behind the meter projects)  | Fuel/Energy Type select all that apply                                    |
|---|---|---|
| Feeder (optional to leave b                         | lank for behind the meter projects)   |   |
| Feeder Voltage (kV) (op                             | tional to leave blank for behind the meter projects)                                  |   |
| Project Size (kW) total m                           | naximum output capacity   |   |
| Equipment Capacity (kV                              | A) total equipment nameplate rating   |   |
| Type of Connection Single Phase                     | Three Phase   |   |
| If this is a solar proje<br>Mounting Type select on | ect, please answer the following que  | estions:  |
| •   | pject, please answer the following qu   |   |
|   | ity located on provincial Crown or federally  | -regulated lands?   |
| Yes 1   | No  |   |
| Is water your primary e                             | nergy source?   |   |
| Yes   | No  |   |
| The host customer's s                               | STATION SERVICE LOAD tation service load details account at the project location, pop | <b>INFORMATION</b> oulating the fields in Section G is optional for NPEI. |
| Required  | Optional  |   |
| Maximum Demand of                                   | Station Service Load of DER kW  | Average Monthly Consumption kWh   |







### SECTION H: CONNECTION INFORMATION

On a cut-out from the NPEI DOM (Distribution Operating Map), or a site plan if a DOM is not made available by the LDC, provide the location of the generation facility with proposed line routings for connection to NPEI's distribution system. It should identify the Point of Expansion (POE), the Point of Common Coupling (PCC), the location of the generation facility, and (if applicable) the route of the new line between the generation facility and the POE (ie. on private property or public road/right-of-way). This is not required for existing load customers that are connecting a load displacement generation, net metering generation or energy storage system behind their existing metered connection point. Please see "Appendix A" for a visual representation of POE and PCC.

| DOM Drawing/Sketch Number   | DOM Revision Number   |
|---|---|
|   |   |
| Please provide an SLD of the Generator's facilities and supply voltage. | es, including the PCC, transformer and connecting station, feeder,                      |
| SLD Drawing/Sketch Number   | SLD Revision Number   |
|   |   |
| POE Latitude degree decimal format                                      | POE Longitude degreedecimal format  |
|   |   |
| PCC Latitude degree decimal format                                      | PCC Longitude degree decimal format   |
|   |   |
| Generation Facility Latitude degree decimal format                      | Generation Facility Longitude degree decimal format                                     |
|   |   |
| Length of Line from POE to PCC km                                       | Length of Line from PCC to Generation Facility km                                       |
|   |   |
| ·   | the Generation Facility must NOT be shared with any other<br>ner (refer to Appendix A). |
| Conductor Type/Size for the line between the PCC and the Generation     | n Facility  |
|   |   |
|   |   |
| Generator Fault Contribution with fault location at the PCC             |   |
|   |   |

#### **IMPORTANT NOTES:**

If this project requires line expansion work between the POE and PCC, NPEI will provide a cost estimate to construct any line located on public road right-of-way. The cost estimate will include a breakdown of uncontestable work (i.e. overbuild to existing line) that can only be performed by NPEI, as well as contestable work (i.e. new construction/green-field) that may be performed by the Generator, their contractor or NPEI. The design of uncontestable and contestable work shall conform to NPEI specifications).

For Generator-owned line, the Generator may apply to construct the line on existing NPEI-owned poles. This is known as an application for Joint Use (JU) of poles. If the application is accepted, NPEI will provide the Generator with information on initial connection costs, annual pole-space rental and emergency service (ES) fees, and required JU & ES Agreements.





**Number of Units** 

Parallel

Closed "make before break"

**Transition Type** 

Non-Parallel

Open "break before make"

### SECTION I: ENERGY STORAGE OR UPS

Please complete the following section if your project includes energy storage.

| Energy Storage Unit Size kwh   | Total Energy Storage Size kwh   |
|--|---|
| Energy Storage Facility Control Strategy   |   |
| Peak Shaving   |   |
| Dynamic VAR Support  |   |
| Frequency Support  |   |
| Other  |   |
|  | strategy according to the templates in Appendix B. NPEI part of its Detailed Technical Connection Assessment. |
| <b>SECTION J: LOAD DISPLACEMENT</b> Please complete the following section if this is a loc |   |
| Operating Mode   |   |

Inverter Unit Size enter zero if inverter is shared with generation unit(s)

Time that generator remains parallel to grid closed transition only, ms

For non-parallel load displacement, SCADA monitoring and Gross Load Billing (GLB) may apply. For load displacement generation facilities, please attach a schedule of the forecasted maximum generation output (as a function of loading of the facility). At a minimum, include the forecasted generation output information (i.e. Watts and VARs) during the minimum and maximum of the load facility to which the load displacement generator is connecting (see Appendix C for template)







### **SECTION K: DER CHARACTERISTICS**

For facilities with multiple generators: If your generators have different characteristics, please use the "Add Page" button and provide the characteristics for each generator on the additional pages.

| DER type: Synchro       | nous Induction Inverter                    | based Other                   |                     |                       |
|-------------------------|--|-------------------------------|---------------------|-----------------------|
| Number of Genero        | ating Units Rated Capacit                  | y of Each Unit                | DER Outp            | out Voltage in kV     |
|                         |  | kW                            | 'A                  |                       |
| Manufacturer            |  | Type or Model                 | Number              |                       |
|                         |  |                               |                     |                       |
| If Power Conversio      | n Type is "Other", please provid           | e values equivalent to a Synd | chronous or Indu    | ction type generator. |
|                         | n-rush Current multiple of full load curre |                               | ding Connection     |                       |
|                         |  | Delta                         | Star                |                       |
| Neutral Grounding N     | Method for star winding connection only    | Impedance R ii                | in ohms             | Impedance X in ohms   |
| Solid                   | Ungrounded Impeda                          | nce                           |                     |                       |
| Limits of range of      | reactive power at the machin               | ne output:                    |                     |                       |
|                         | ,  | ,                             |                     |                       |
| Lagging over-excited, k | VAR Lagging Power Factor                   | or Leading under-ex           | xcited, kVAR        | Leading Power Factor  |
|                         |  |                               |                     |                       |
| _                       | reactive power at the PCC:                 |                               |                     |                       |
| Lagging over-excited, k | Lagging Power Factor                       | or Leading under-e.           | xcited, kVAR        | Leading Power Factor  |
|                         |  |                               |                     |                       |
|                         | For synchronous units                      | For inducti                   | ion units           |                       |
|                         | Nominal Machine Voltage kV (LL             | Nominal Mac                   | hine Voltage kV (LL | L)                    |
|                         | Unsaturated Reactance kVA Base             | Unanti wata d                 | Reactance kVA Base  |                       |
|                         | Unsaturated Reactance KVA Base             | Unsaturated                   | Reactance KVA Base  |                       |
|                         | Unsaturated Reactance kV Base              | Unsaturated                   | Reactance kV Base   |                       |
|                         |  |                               |                     |                       |
|                         | Direct Axis Subtransient Reactar           | nce, Xd" pu Direct Axis Su    | btransient Reacta   | nce, Xd" pu           |
|                         |  | V. II                         |                     |                       |
|                         | Direct Axis Transient Reactance,           | , Xa' pu                      |                     |                       |
|                         | Direct Axis Synchronous Reacta             | ance, Xd pu                   |                     |                       |
|                         |  |                               |                     |                       |
|                         | SubtransientTime,Td" ms                    |                               |                     |                       |
|                         | Zoro Coguence Peactones, VO                |                               |                     |                       |
|                         | Zero Sequence Reactance, X0                | ou                            |                     |                       |







### **SECTION L: INTERFACE TRANSFORMER**

The transformer connecting to the NPEI distribution system

| Transformer Owr<br>Customer | '                           | la Energy Inc.        |                          |                    |                  |
|-----------------------------|-----------------------------|-----------------------|--------------------------|--------------------|------------------|
| Transformer Ratin           | ng <i>KVA</i>               |                       | Transformer Type         |                    |                  |
|                             |                             |                       | Single Phase             | Three Phase        |                  |
| Nominal Voltage             | of High Voltage Winding     | ; kV                  | Nominal Voltage of Low   | Voltage Winding kV |                  |
| Impedance Base (            | if different than ratings a | kV Base               | Impedance (R) pu         | pedance (X) pu     | Impedance (Z%) % |
| High Voltage Wir            | nding Connection            |                       |                          |                    |                  |
| Delta                       | Star                        |                       |                          |                    |                  |
| High Voltage Grou           | unding Method for star wi   | nding connection only | Star Impedance R in ohms | Star Impeda        | ance X in ohms   |
| Solid                       | Ungrounded                  | Impedance             |                          |                    |                  |
| Low Voltage Win             | ding Connection             |                       |                          |                    |                  |
| Delta                       | Star                        |                       |                          |                    |                  |
| Low Voltage Grou            | nding Method for star win   | nding connection only | Star Impedance R in ohms | Star Impeda        | ance X in ohms   |
| Solid                       | Ungrounded                  | Impedance             |                          |                    |                  |

#### Notes

The term "High Voltage" refers to the connection voltage to NPEI's distribution system and "Low Voltage" refers to the generation or any other intermediate voltage.

Providing a photo of transformer equipment along with this application may help expedite your application.





# **SECTION M: INTERMEDIATE TRANSFORMER**

#### Transformer between the interface transformer and DER

Do you intend to install an intermediate transformer?

Please complete the following section if your project includes an intermediate transformer.

|   | No   |   |                              |
|---|--|---|------------------------------|
| Transformer Ratin   | g KVA  | Transformer Type  |                              |
|   |  | Single Phase  | Three Phase                  |
| Nominal Voltage o   | of High Voltage Winding kV   | Nominal Voltage of Lov                                      | w Voltage Winding kV         |
| Impedance   |  | Impedance R pu  | Impedance X pu               |
|   | kVA Base   | kV Base   |                              |
| High Voltage Win  | ding Connection  |   |                              |
| Delta   | Star   |   |                              |
| High Voltage Grou   | inding Method for star winding connect   | Star Impedance R in oh                                      | ms Star Impedance X in ohms  |
| Solid   | Ungrounded Imped   | dance   |                              |
| Low Voltage Win   | ding Connection  |   |                              |
| Delta   | Star   |   |                              |
| Low Voltage Grou  | nding Method for star winding connecti   | ion only Star Impedance R in oh                             | oms Star Impedance X in ohms |
| Solid<br>Notes:   | Ungrounded Imped   | lance   |                              |
| The term "Hia   | h Voltage" refers to the conne   | ection voltage to NPEI's distribution                       | system and "Low              |
| _   | 0  |   |                              |
| _   | s to the generation or any oth   | ier iniermealaie vollage.                                   |                              |
| Voltage" refer  | s to the generation or any oth  N: HIGH-VOLTAGE                                      | GROUNDING TRANSF  |                              |
| Voltage" refer  | s to the generation or any oth  N: HIGH-VOLTAGE                                      | <b>GROUNDING TRANSF</b> r project includes a high-voltage g |                              |
| Voltage" refer  | N: HIGH-VOLTAGE te the following section if you                                      | <b>GROUNDING TRANSF</b> r project includes a high-voltage g |                              |
| SECTION Please complete Do you have a hi                                | N: HIGH-VOLTAGE te the following section if your gh-voltage grounding transforme     | <b>GROUNDING TRANSF</b> r project includes a high-voltage g |                              |
| SECTION Please complete Do you have a hi                                | N: HIGH-VOLTAGE te the following section if your gh-voltage grounding transforme     | <b>GROUNDING TRANSF</b> r project includes a high-voltage g |                              |
| SECTION Please complete Do you have a hi  Yes  Transformer Type Zig-Zag | N: HIGH-VOLTAGE te the following section if your gh-voltage grounding transforme  No | <b>GROUNDING TRANSF</b> r project includes a high-voltage g | rounding transformer.        |





| SECTIO | N | 0:                 | SUR | MIS   | SION | CHECKLIST |
|--------|---|--------------------|-----|-------|------|-----------|
| JECTIO |   | $oldsymbol{\circ}$ | 300 | 14113 |      | CHECKLIST |

|        | ensure the following items are completed prior to submission. Your application mo<br>part is omitted or incomplete:   | ay not be processed        |
|--------|---|----------------------------|
|        | Payment in full including applicable taxes (by cheque payable to "Niagara Peninsul  | a Energy Inc.")            |
|        | Completed Form B stamped by a Professional Engineer   |                            |
|        | Signed Study Agreement (original signature is required)   |                            |
|        | Single Line Diagram (SLD) of the Generator's facilities, must be stamped by a Profess   | sional Engineer            |
|        | Protection Philosophy   |                            |
|        | Distribution Operating Map (DOM) and/or Site Plan (not required for existing load customers that displacement generation, net metering generation or energy storage system behind their existing metered connection point)  | are connecting a load      |
|        | Load Displacement Generation Facility's load and generation schedules (if applicable  | e)                         |
|        | Load Displacement Generation Facility's mode of operation (if applicable)   |                            |
|        | Energy Storage Facility operating strategy description an parameters (if applicable)  |                            |
|        | Emergency Backup Generation Facility's mode of operation (if applicable)  |                            |
| Please | ION P: CIA APPLICATION FEE CHECKLIST  ensure the following items are completed prior to submission. Your application wi omitted or incomplete. Check all that apply:  | ll not be processed if any |
|        | Applicable CIA Fee See the Connection Impact Assesment Fee Schedule on our website for costs. Please enter the amount from the fee schedule.  | \$ +HS                     |
|        | Transmission Customer Impact Assessment (TxCIA) Fee (if applicable)  A TxCIA is also required if the total nameplate generation of the project is greater than 10MW.  | \$ +HS                     |
|        | IESO System Impact Assessment (SIA) Fee (if applicable)  An SIA deposit is required if the total nameplate generation of the project is greater than 10MW.  The total cost of the SIA will be Trued Up/Down upon the receipt of the SIA from the IESO.  See the IESO's SIA Application for costs. | \$                         |





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# SECTION Q: ATTACHMENTS

Attached Documents / Drawings

|             | Description | Document # | # of Pages |
|-------------|-------------|------------|------------|
|             |             |            |            |
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# SECTION S: Niagara Peninsula Energy Inc. Specific Required Fields

This section contains specific information that is required by NPEI. Please read Section T notes regarding this section if you need further details.

| What is the barcode of the nearest pole serving the project location | on? |
|--|-----|
| NPEI Account Number if transformer is owned by NPEI                  |     |
| NET EL ACCOUNT NUMBER (J. dransjonner is owned by NPE)               |     |
|  |     |

## SECTION T: Niagara Peninsula Energy Inc. Specific Additional Notes

Section A: no additional notes
Section B: no additional notes
Section C: no additional notes
Section D: no additional notes
Section E: no additional notes
Section F: no additional notes
Section G: no additional notes
Section H: no additional notes
Section I: no additional notes
Section J: no additional notes
Section K: no additional notes
Section K: no additional notes

**Section L:** At the Generator's expense, and if requested, NPEI may provide transformation up to a maximum of 500 kVA three-phase, as described in the NPEI Conditions of Service (Section 3.5 item C.4). **Section M:** no additional notes

Section N: no additional notes

**Section O:** for new DER site, Distribution Operating Map (DOM) is required by NPEI in addition to Site Plan **Section P:** When there is an upstream LDC, an additional fee will be required for costs associated with this CIA.

**Section Q:** no additional notes **Section R:** no additional notes

**Section S:** - For question: "What is the barcode of the nearest pole serving the project location?", this is only applicable if you choose "No" to question: "Is there an existing NPEI account at the project location?" in Section D

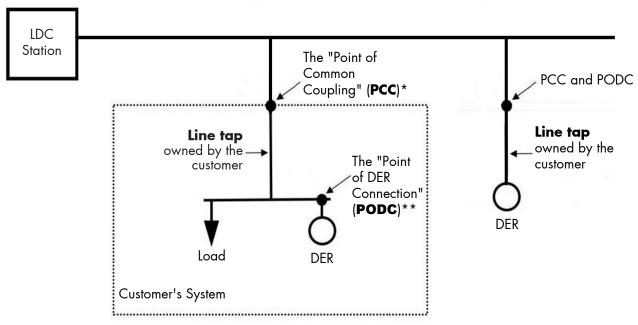
- For question: "NPEI Account Number (if transformer is owned by NPEI)", this is only applicable if you answer "Niagara Peninsula Energy Inc." to question: "Transformer Ownership" in Section L.





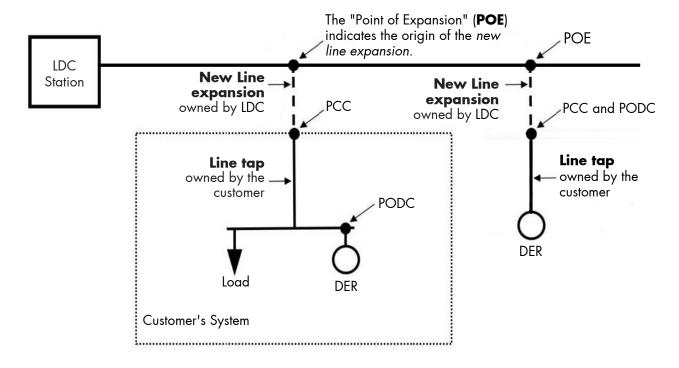
### APPENDIX A - FIGURES & DIAGRAMS

Figure A1: Where There is No New NPEI Owned Line Expansion



<sup>\*</sup>PCC: the point where the customer facility connects to the LDC owned system

Figure A2: Where There is a New NPEI Owned Line Expansion



<sup>\*\*</sup>PODC: the point where the DER unit(s)'s interconnection system connects the DER unit(s) to the DER facility.

# ► APPENDIX B - MINIMUM CONTROL STRATEGY INFORMATION FOR ENERGY STORAGE FACILITIES OR OTHER TECHNOLOGIES

### Figure B1: Peak Shaving

| Peak Shaving                       |                 |                         |   |
|------------------------------------|-----------------|-------------------------|---|
| Description of Control<br>Strategy |                 |                         |   |
|                                    | When Opera      | ting as a Load          |   |
| Switch In Time                     | Switch Out Time | Load kW<br>(peak)       | Load kVAR (peak, leading/lagging)       |
|                                    |                 |                         |   |
|                                    | When Operatin   | g as a Generator        |   |
| Switch In Time                     | Switch Out Time | Generation kW<br>(peak) | Generation kVAR (peak, leading/lagging) |
|                                    |                 |                         |   |

### Figure B2: Dynamic VAR Support

| Dynamic VAR Support                |                      |                         |   |
|------------------------------------|----------------------|-------------------------|---|
| Description of Control<br>Strategy |                      |                         |   |
| Switch In Condition                | Switch Out Condition | Generation kW<br>(peak) | Generation kVAR (peak, leading/lagging) |
|                                    |                      |                         |   |

## **Figure B3: Frequency Support**

| Frequency Support                  |                      |                         |   |
|------------------------------------|----------------------|-------------------------|---|
| Description of Control<br>Strategy |                      |                         |   |
| Switch In Condition                | Switch Out Condition | Generation kW<br>(peak) | Generation kVAR (peak, leading/lagging) |
|                                    |                      |                         |   |

# Figure B4: Other Control Strategies

| Other   |  |  |
|---|--|--|
| Description of Control<br>Strategy and Relevant<br>Operating Parameters |  |  |





# **▶ APPENDIX C - LOAD DISPLACEMENT FIGURES**

# Figure C1: Example Schedule With Minimum Information Required for Load Displacement Projects

|              | Load of Facility<br>(kW) | Load of Facility<br>(kVAR, lead or lag) | Generation Output (kW) | Generation Output (kVAR, lead or lag) |
|--------------|--------------------------|---|------------------------|---------------------------------------|
| Minimum Load |                          |   |                        |                                       |
| Maximum Load |                          |   |                        |                                       |



