ComEd: Distributed Energy Resource Interconnection Pre-Application Report

A Distributed Energy Resource (DER) means an energy generation facility or an energy storage facility that operates in parallel with ComEd's electric distribution system.

The applicant has submitted an Interconnection Pre-Application Report Request of a DER system located at the proposed point of interconnection described in this report.

ComEd tracking information:	
ComEd Pre-Application Tracking Number:	Q17-00590
ComEd Service Request (SR) number:	N/A
Project name:	Prairie View Landfill Solar Farm
Applicant name:	Dean Olson
Date the fee and the completed request form were received (Request Date):	12/15/2017
Date this Pre-Application Report was provided (Report Date):	1/18/2018

Proposed interconnection project:	
Proposed DER (generation, energy storage, or other (specify)):	generation
Proposed DER capacity in kilowatts (kW):	8,000
Proposed phase (single, 2 or 3-Phase):	3
Proposed technology (induction, synchronous, inverter, or other (specify)):	inverter
Proposed energy source (wind, photovoltaic, gas, battery, or other (specify)):	photovoltaic

Table of Information for Most Likely Feeder (circuit) or Substation:

ComEd has taken reasonable measures under the circumstances to maintain the confidentiality of the technical information presented in this table. Except as required by applicable law, regulation, rule, legal process, and unless otherwise agreed to in advance in writing by ComEd, the information presented below should not be disclosed or revealed to any entity not associated with the evaluation of the proposed project detailed in the Request without the written consent of ComEd; or used for any purpose other than in connection with the proposed project or for meetings or discussions in connection with the proposed project.

Feeder or substation number:	L14952
Feeder or substation peak load (kW):	10105
1. Thermal capacity rating of feeder or substation (kW):	22707
2. Existing DER on feeder or substation (kW):	6400
3. Pending/queued DER on feeder or substation (kW), not including this request:	0
4. Available capacity of feeder or substation (kW) = (thermal capacity rating of feeder minus existing DER minus pending DER, not including this request):	16307
4.1 Percent aggregate DER of peak load NOT including this request (%):	63%
4.2 Percent aggregate DER of peak load, including this request (%):	143%
5. Nominal voltage at substation in kilovolts (kV):	34.5
6. Nominal voltage near the proposed point of interconnection (kV):	34.5
7. Approximate circuit distance between the proposed point of interconnection and the substation (feet):	35000
8. Phase available near the proposed point of interconnection (Single, 2, or 3 phase):	3
9. Radial or network feed:	Radial

10. Relevant line section peak line load estimate, and minimum load data (if available):

Device	Peak load estimate (kW)	15% peak load (kW) (or 50% of minimum load)
CB	10105	1515.75
ALRS 5206	5109	766.35
		0
		0

(This table is continued on page 2)

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Table of Information for Most Likely Feeder (circuit) or Substation (continued):

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11. Number of protective devices and regulating devices between the proposed point of interconnection and substation

11.1 Number of protective devices (fuse, recloser, or other (specify)):	2
11.2 Number of regulating devices (feeder regulators, feeder caps, or other (specify)):	0

12. Limiting conductor rating from the proposed point of interconnection to distribution substation

12.1 Conductor size (optional):	4/0 AL
12.2 Conductor rating (kW):	26965

13. Additional system constraints particular to the proposed point of interconnection (if applicable):
(such as but not limited to short circuit interrupting capacity issues, power quality or stability issues, capacity constraints or secondary networks)

The nearest ComEd distribution line with capacity for 8MW PV to the Point of Interconnection (POI) is 34.5kV L14952. Connection of pre-application Q17-00590 will require the customer to extend the onsite primary to the POI. Any additional off property work or requirements will be noted following a Feasibility Study by ComEd, if requested by customer. This information is contingent upon other work being completed currently.

Additional comments:

The point of interconnection, circuit characteristics, and/or other projects may affect feasibility of installing the proposed DER capacity on this circuit at the proposed point of interconnection. In addition, the available DER capacity is open to other interconnection projects unless and until a complete application is received and approved.

The Pre-Application Report only includes pre-existing data that is readily available. A Pre-Application Report request does not obligate ComEd to conduct a study or other analysis of the proposed project in the event that data is not available.

This Pre-Application Report represents the best available information at the time of reporting. Data provided in the Pre-Application Report, including the "available capacity", may become outdated and not useful at the time that an interconnection application is submitted.

Further Inquiries:

All additional questions and comments related to this report should be directed to ComEd's Interconnect group email account: interconnect@comed.com.