

July 10, 2014

Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, Ohio 43215-3793

Re: The Dayton Power and Light Case No. 14-1181-EL-ATA

Docketing Division:

The Dayton Power and Light Company herewith submits final Tariffs to modify PUCO No. 17 Electric Distribution Service Sheet No. D35 in accordance with the Commission's review of Chapter 4901:1-22 of the Ohio Administrative Code, and the resulting amended rules from the Finding and Order in Case No. 12-2051-EL-ORD dated December 4, 2013.

Thank you for your assistance and your attention to this matter. If you have any questions please feel free to call me at (937) 259-7181.

Sincerely,



Eric Brown
Regulatory Operations

Enclosure

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Application of The)
Dayton Power and Light Company for)
Approval to Modify PUCO No. 17) Case No. 14-1181-EL-ATA
Electric Distribution Service Sheet No.)
D35, Interconnection Service.)

The Dayton Power and Light Company ("DP&L") hereby requests approval of changes to The Dayton Power and Light Tariff Sheet No. D35, Interconnection Service.

1. APPLICANT RESPECTFULLY PROPOSES:

- ☐ New Service
- ☐ New Classification
- ☐ Change in Classification
- ☒ Other, Not Involving Increase in Rates
- ☐ Various Related and Unrelated Textual Revisions Without Change in Intent
- ☐ Change in Rule or Regulation
- ☐ Reduction in Rates
- ☐ Correction of Error

2. DESCRIPTION OF PROPOSAL:

The Dayton Power and Light Company ("DP&L") is filing modifications to PUCO No. 17 Electric Distribution Service Sheet No. D35.

3. TARIFFS AFFECTED:

DP&L seeks to modify the following electric service rate schedules

PUCO No. 17 – Distribution Service – Forty-Eighth Revised Sheet No. D2 - Tariff Index

PUCO No. 17 – Distribution Service – Second Revised Sheet No. D35 – Interconnection Service

4. Attached hereto and made a part hereof are:

- ☒ **Exhibit A** - Redlined schedule sheets
- ☒ **Exhibit B** - Clean schedule sheets.

_____ **Exhibit C-1**

- a. If new service is proposed, describe;
- b. If new equipment is involved, describe (preferably with a picture, brochure, etc.) and, where appropriate, provide a statement distinguishing proposed service from existing services;
- c. If proposed service results from customer requests, so state giving, if available, the number of customers requesting proposed service.

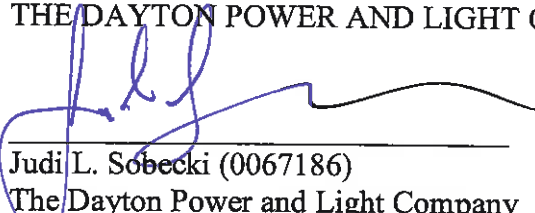
_____ **Exhibit C-2** - If a change of classification, rule or regulation is proposed, a statement explaining reason for change.

 X **Exhibit C-3** - Statement explaining reason for any proposal not covered in Exhibits C-1 or C-2.

_____ **Exhibit D** - Affidavit stating that this application will not result in an increase in any rate, joint rate, toll, classification, charge or rental.

Respectfully Submitted,

THE DAYTON POWER AND LIGHT COMPANY



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Attorney for The Dayton Power and Light Company

Exhibit A
Redlined Tariffs

THE DAYTON POWER AND LIGHT COMPANY
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Forty-~~Ninth~~^{Eight} Revised Sheet No. D2
Cancels
Forty-~~Eight~~^{Seventh} Revised Sheet No. D2
Page 1 of 2

P.U.C.O. No. 17
ELECTRIC DISTRIBUTION SERVICE
TARIFF INDEX

Sheet No.	Version	Description	Number of Pages	Tariff Sheet Effective Date
D1	First Revised	Table of Contents	1	June 30, 2009
D2	Forty- Ninth ^{Eight} Revised July ne ^{ne} 10, 2014	Tariff Index	2	

RULES AND REGULATIONS

D3	Original	Application and Contract for Service	3	January 1, 2001
D4	Second Revised	Credit Requirements of Customer	1	February 24, 2012
D5	Sixth Revised	Billing and Payment for Electric Service	8	February 24, 2012
D6	First Revised	Disconnection/Reconnection of Service	5	July 8, 2005
D7	Original	Meters and Metering Equipment- Location and Installation	2	January 1, 2001
D8	Original	Service Facilities – Location and Installation	3	January 1, 2001
D9	Original	Equipment on Customer's Premises	3	January 1, 2001
D10	Original	Use and Character of Service	5	January 1, 2001
D11	First Revised	Emergency Electrical Procedures	12	January 1, 2014
D12	Second Revised	Extension of Electric Facilities	5	March 1, 2014
D13	First Revised	Extension of Electric Facilities to House Trailer Parks	2	November 1, 2002
D14	First Revised	Definitions and Amendments	4	August 16, 2004
D15	Original	Additional Charges	1	January 1, 2001
D16	Original	Open Access Terms and Conditions	3	January 1, 2001

TARIFFS

D17	Eleventh Revised	Residential	2	January 1, 2014
D18	Eleventh Revised	Residential Heating	3	January 1, 2014
D19	Tenth Revised	Secondary	4	January 1, 2014
D20	Tenth Revised	Primary	3	January 1, 2014

Filed pursuant to the Finding and Order in Case No. ~~12-2051-EL-ORD44-0629-EL-RDR~~ dated ~~December 4, 2013~~^{May 28, 2014} of the Public Utilities Commission of Ohio.

Issued ~~July 10~~^{May 30}, 2014

Effective July~~ne~~^{ne} 10, 2014

Issued by
DEREK A. PORTER, President

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Forty-~~Ninth~~^{Eighth} Revised Sheet No. D2
Cancels
Forty-~~Eight~~^{Seventh} Revised Sheet No. D2
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P.U.C.O. No. 17
ELECTRIC DISTRIBUTION SERVICE
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Sheet No.	Version	Description	Number of Pages	Tariff Sheet Effective Date
D21	Tenth Revised	Primary-Substation	3	January 1, 2014
D22	Ninth Revised	High Voltage	3	January 1, 2014
D23	Eleventh Revised	Private Outdoor Lighting	3	January 1, 2014
D24	Tenth Revised	School	2	January 1, 2014
D25	Tenth Revised	Street Lighting	4	January 1, 2014
D26	Second Revised	Miscellaneous Service Charges	1	February 24, 2012
D35	Third ^{Second} Revised	Interconnection Tariff	21 ¹⁶	July 10, 2014 ^{October 7, 2008}

RIDERS

D27	First Revised	Reserved	1	November 1, 2011
D28	Fourteenth Revised	Universal Service Fund Rider	1	January 1, 2014
D29	Seventh Revised	Reconciliation Rider Nonbypassable	1	June 1, 2014
D30	Third Revised	Reserved	1	July 14, 2008
D31	Fourth Revised	Reserved	1	April 7, 2011
D32	Second Revised	Reserved	1	January 1, 2011
D33	Third Revised	Excise Tax Surcharge Rider	1	May 1, 2010
D34	First Revised	Switching Fees	2	January 1, 2006
D36	First Revised	Reserved	1	July 25, 2008
D37	Second Revised	Reserved	1	January 1, 2012
D38	Sixth Revised	Energy Efficiency Rider	1	March 1, 2014
D39	Eighth Revised	Economic Development Rider	1	June 1, 2014

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~~Third~~~~Second~~ Revised Sheet No.

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P.U.C.O. No. 17
ELECTRIC DISTRIBUTION SERVICE
INTERCONNECTION SERVICE

DESCRIPTION OF SERVICE:

This Tariff Sheet provides the terms, conditions and fees for the Interconnection of electric distributed generation facilities to the Company's Distribution System.

APPLICABLE:

Applicable in the entire territory where DP&L P.U.C.O. No. 17 applies, this Tariff Sheet applies to those situations where a Service Customer seeks to physically connect its electric distributed generation facility to, and may operate it in parallel with, the Company's Distribution System. This Tariff Sheet is not applicable for customers who want to interconnect to the Company's transmission system.

PURPOSE:

The purpose of this Tariff Sheet is to implement Ohio Revised Code Section 4928.11, which calls for uniform interconnection standards that are not unduly burdensome or expensive and also ensure safety and reliability of the Company's Distribution System. This Tariff Sheet contains the terms and conditions that govern the Interconnection and Parallel Operation of an Interconnection Service Customer's facility with the Company's Distribution System.

DEFINITIONS:

For the purpose of this Interconnection Service Tariff Sheet, the following words shall have the meanings set forth below:

"Applicant" means the person requesting interconnection service and may be any of the following:

- ~~—— (a). The owner or operator of a small electric distributed generation facility as defined by division (A)(2) of section 4928.01 of the Revised Code.~~
- (ab). A customer generator as defined by division (A)(~~2930~~) of section 4928.01 of the Revised Code.
- (be). A self-generator as defined by division (A)(~~3233~~) of section 4928.01 of the Revised Code.
- (cd). The owner or operator of distributed generation as defined by paragraph (K) of this rule.~~a distributed generation facility.~~

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“Application” means a request to an electric distribution utility (EDU)~~the Company~~ using the format set forth on the web site of the Public Utilities Commission of Ohio for interconnection of distributed generation to the electric distribution system owned by the EDU.

“Area Network” means a type of electric distribution system served by multiple transformers interconnected in an electrical network circuit, which is generally used in large metropolitan areas that are densely populated, in order to provide highly reliable service. Area network has the same meaning as the term “distribution secondary grid network” found in the Institute of Electrical and Electronics Engineers (IEEE) standard 1547 sub clause 4.1.4.

“Automatic sectionalizing device” means any self-contained, circuit-opening device used in conjunction with a source-side protective device, which features automatic reclosing capability.

“Backup electricity supply” means replacement electric power supplied to an Applicant by the EDU~~Company~~ at a tariff rate or alternatively, as a market-based option or by a competitive retail electric service provider of the Applicant’s choice at a rate to be determined between the provider and the Applicant.

“Business Day” means any day which is not Saturday, Sunday, or legal holiday.

“Calendar Day” means any day, including Saturday, Sunday, and legal holidays.

“Commission” means the Public Utilities Commission of Ohio.

“Company” means the Dayton Power and Light Company.

“Competitive retail electric service” means a component of retail electric service that is competitive as provided under division (B) of section 4928.01 of the Revised Code.

“Cost recovery” means collection, upon approval by the Commission pursuant to its authority under section 4909.15 of the Revised Code, of such documented EDU interconnection costs that are incurred at reasonable levels for prudent purposes and that are over and above the review processing fees set forth in rules 4901:1-22-06 to 4901:1-22-08 of the Administrative Code~~this tariff~~.

“Distributed Generation” is a general term for all or part of a system of a distributed electrical generator or a static inverter either by itself or in the aggregate of twenty (20) MWs or less in size together will all

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protective, safety, and associated equipment installed at a point of common coupling on the EDU's distribution system in close proximity to the customer load.

"Electric distribution utility" or (EDU) means an electric distribution utility, which is an investor-owned electric utility that owns or operates a distribution wires system and supplies at least retail electric distribution service.

"Equipment packages" means distributed generation facility assembled to include not only a generator or electric source but related peripheral devices that facilitate operation of the distributed generation.

"Expedited procedure" means a review process for certified distributed generation that passes a certain pre-specified review procedure, has a capacity rating of two (2) MWs or less, and does not qualify for simplified procedures.

"Interconnection" means the physical connection of the Applicant's facilities to the EDU~~Company's~~ distribution system for the purpose of electrical power transfers.

"Interconnection point" means the point at which the Applicant's distributed generation facility physically connects to the EDU~~Company's~~~~distribution~~ system.

"Interconnection service" means the services provided by an EDU~~the Company~~ or transmission provider for the Applicant's distributed generation facility.

"Line section" means either that portion of an EDU's electric system connected to a customer bounded by automatic sectionalizing devices, the end of the distribution line, or a line segment identified as appropriate for study by a utility engineer.

"Minor modification" to an interconnection application means a change in the technical characteristics that improves the reliability, safety and compatibility of the interconnection with the electric distribution system while not materially increasing the size or cost of the intended distributed generation facility installation.

"Parallel operation with the EDU's~~Company's Distribution~~ System" means all the electrical connections between the Applicant's distributed generation facility and the EDU's~~Company's distribution~~ system that are capable of operating in conjunction with each other.

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“Point of common coupling” means the point which the distributed generation facility is connected to the ~~EDU’s Company’ Distribution~~ System.

“Reliability” means the degree of performance of the elements of the electric system that results in electricity being delivered to and from an Applicant in the amount desired while avoiding adverse effects on the adequacy and security of the electric supply, defined respectively as:

- (a) The ability of the electric system to supply the aggregate electrical demand and energy requirements at all times, taking into account scheduled and unscheduled outage of system elements.
- (b) The ability of the electric system to withstand sudden disturbances such as electric short circuits or unanticipated loss of system elements.

“Retail electric service provider” means any entity in the State of Ohio that provides retail electric service as defined by division (A)(27) of section 4928.01 of the Revised Code.

“Sale of resale” means a sale of energy to any energy supplier, electric utility or a public authority for resale purposes.

“Scoping meeting” means a meeting between the representatives of the Applicant and the ~~EDU Company~~ conducted for but not limited to the following purposes:

- (a) To discuss alternative interconnection options.
- (b) To exchange information including any electric distribution system data and earlier study evaluations that would be expected to impact such interconnection options.
- (c) To analyze such information.
- (d) To determine the potential points of common coupling.

“Simplified procedures” means a review process for interconnection of inverter-based distributed generation twenty-five (25)50 kWs or less in size on a radial or spot network system under certain conditions.

“Standard procedures” means a review process for interconnection of any generating facility(s) that has power rating of twenty (20) MWs or less, not qualifying for either simplified or expedited interconnection review processes.

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~~“Small electric generation facility” means an electric generation plant and associated facilities designed for, or capable of, operation at a capacity of less than 2 MWs as defined in division (A)(33) of section 4928.01 of the Revised Code.~~

“Spot network,” as defined by IEEE standard 1547 sub clause 4.1.4, means a type of electric distribution system that uses two or more inter-tied transformers to supply an electric network circuit and is generally used to supply power to a single customer or a small group of customers.

PROCEDURES:

Any Interconnection Service Customer seeking to physically connect facilities to the Company's Distribution System, which facilities may be used in parallel operation with the Company's Distribution System, shall follow the stratified review process below which is based on the size and location of the Applicants proposed facility.

All Interconnection Applications shall be processed by the Company in a non-discriminatory manner in the order in which they are received. When an application is submitted, ~~the Company shall determine whether the application is complete and provide the Applicant each Interconnection Customer a written or email notice of the Company's receipt of the Application within ten three business days after it is received. If the Company determines that the application is complete, the Company shall provide each Interconnection Service Customer with a copy of the applicable review process and a target date for processing the Application. If the Application is viewed as incomplete, the Company shall provide a written notice within ten days of receipt with a copy of the application review process, a checklist or description of information of the Application by the Company's personnel designated on the Application that the Application is not complete together with a description of the information needed to complete the Application, and a statement that processing of the Application cannot begin until the information is received. It is recognized that certain Interconnection Applications may require minor modifications while they are being reviewed by the Company. Such minor modifications to a pending Application shall not require that it be considered incomplete and treated as a new or separate Application. Upon receiving any necessary materials missing from the original application, the Company shall provide the Applicant with a second written or email notice establishing a target date from processing the application. Minor modifications would not include at least the following: changes in facility size or location; any change requiring a new impact study; or any other substantive change.~~

If the Company determines that it cannot connect the Interconnection Customer's facility within the time frames required by O.A.C. § 4901:1-22, the Company will notify the Interconnection Customer in writing

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within ten business days after the Application has been received. The notification will identify the reason or reasons Interconnection Service could not be performed within the statutory time frames and provide an estimated date for Interconnection Service. This section shall not limit the rights of an Interconnection Service Customer for relief under Ohio Revised Code Chapter 4905.

PRE-APPLICATION

An Applicant may submit a formal request along with a non-refundable processing fee of \$300 for a pre-application report on a proposed project at a specific site. The EDU shall provide the pre-application data to the Applicant within ten business days of receipt of the written request and payment of the \$300 processing fee.

The pre-application report will include the following information

1. Total generation capacity (in megawatts) of substation/area bus, bank or circuit based on normal and operating ratings likely to serve the proposed site.
2. Existing aggregate generation capacity (in megawatts) interconnected to a substation/area bus, bank or circuit, which is the online amount of generation, likely to serve the proposed site.
3. Aggregate queued generation capacity (in megawatts) for a substation/area bus, bank or circuit, which is the amount of generation in the queue likely to serve the proposed site.
4. Available generation capacity (in megawatts) of substation/area bus or bank and circuit most likely to serve the proposed site, which is the total capacity less the sum of existing aggregate generation capacity and aggregate queued generation capacity.
5. Substation nominal distribution voltage and/or transmission nominal voltage, if applicable.
6. Nominal distribution circuit voltage at the proposed site.
7. Approximate circuit distance between the proposed site and the substation.
8. Relevant line section(s) peak load estimate, and minimum load data, when available.

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9. Number and rating of protective devices and number and type (standard, bi-directional) of voltage regulating devices between the proposed site and the substation/area. Identify whether substation has a load tap changer.
10. Number of phases available at the site.
11. Limiting conductor ratings from the proposed point of interconnection to the distribution substation.
12. Based on the proposed point of interconnection, existing or known constraints such as, but not limited to, electrical dependencies at that location, short circuit interrupting capacity issues, power quality or stability issues on the circuit, capacity constraints, or secondary networks.

The pre-application report need only include pre-existing data. A pre-application report request does not obligate the EDU to conduct a study or other analysis of the proposed generator in the event that data is not readily available. If the EDU cannot complete some of a pre-application report due to lack of available data, the EDU shall provide the Applicant with a pre-application report that includes data that is available.
~~CONSTRUCTION OR SYSTEM UPGRADES~~

~~For those Applications that require construction or system upgrades of the Company's Distribution System, the Company shall provide the Applicant with an estimate of the timetable and the Applicant's cost of the construction or system upgrades. If the Applicant desires to proceed with the construction or system upgrades, the Applicant and the Company shall enter into a contract for the completion of the construction or system upgrades in which service shall take place no later than two weeks following completion of such construction system upgrades.~~

INTERCONNECTION REVIEW PROCEDURES APPLICATION AND FEES:

Level 1 Simplified Review Procedures

Level 1 Simplified Review Process Procedures

Available for an Applicant whose generating facility uses inverter-based equipment that is certified in compliance with IEEE 1547 standard and UL 1741 standard,~~is inverter-based~~ with a maximum nameplate capacity of 2540 kW or less,~~that uses renewable energy as fuel and t~~

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The results of interconnecting the Applicant's generating facility to Company's distribution system must comply with the following parameters:

1. The Applicant's proposed distributed generation facility's point of common coupling is not on a transmission line.
2. ~~For interconnection of a proposed distributed generation facility to a radial distribution circuit, the aggregated generation on the circuit, including the proposed distributed generation facility, on the circuit shall may not exceed 15 percent of the line section annual peak load as most recently measured at the substation. peak load on the smallest part of the primary distribution system that could remain connected after operation of sectionalizing devices.~~
3. The proposed distributed generation facility, in aggregation with other generation on the distribution circuit, shall not contribute more than 10 percent to the distribution circuit's maximum fault current at the point on the high voltage (primary) level nearest the proposed point of common coupling.
4. ~~For interconnection of a proposed distributed generation facility to the load side of spot network protectors, the proposed distributed generation facility must utilize an inverter-based equipment package and, together with the aggregated other inverter-based generation, in aggregation with other generation located on the load side of a spot network shall not exceed the smaller of 5 percent of the spot network's maximum load or 50 kW. when aggregated with other inverter-based generation.~~
5. Direct current injection shall be maintained at or below five-tenths of a percent of full rated inverter output current into the point of common coupling.
6. When a proposed distributed generation facility is single phase and is to be interconnected on a center tap neutral of a 240 volt service, its addition shall not create an imbalance between the two sides of the 240 volt service of more than 20 percent of the nameplate rating of the service transformer.
7. The proposed distributed generation facility installation is certified to pass an applicable non-islanding test, or uses reverse power relays or other means to meet the unintentional islanding requirements of the Institute of Electrical and Electronics Engineers (IEEE) 1547 standard and Underwriters Laboratory 1741 standard.

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8. The proposed distributed generation facility installation complies with the IEEE 1547 standard and UL 1741 standard.

Construction of facilities by the Company on its own system is not required to accommodate the distributed generation facility. ~~The Company shall provide the Applicant with a standard interconnection agreement within 5 days after completion of the Level 1 Simplified Review procedure.~~

Level 1 Fees~~LEVEL 1 FEES~~

The Level 1 a~~Application fee is~~ shall be \$50.00, based on actual costs per one-tenth of an hour on time spent on the simplified review.

Level 1 Review Timeframe~~1 Simplified Review Procedures~~

Within 15 business days after the EDU notifies the Applicant that it has received a complete short form interconnection service application, the EDU shall perform a review using the criteria set forth in the Level 1 Simplified Review Procedures and shall notify the Applicant of the results, and shall include with the notification copies of the analysis and data underlying the EDU's determinations. An Applicant's proposed distributed generation facility installation that complies with the parameters set forth in the Level 1 Simplified Review Procedures requires no further study by the EDU for the purpose of interconnection to the EDU's distribution system.

If the proposed interconnection fails one or more of the screening criteria, the application shall be denied. Upon denial of the Level 1 interconnection request, the Applicant may elect to submit a new application for consideration under Level 2 or Level 3 procedures, in which case the queue position assigned to the Level 1 application shall be retained.

If the proposed interconnection meets the criteria, the application shall be approved and the EDU will provide the Applicant a standard interconnection agreement within five business days after the determination. The Applicant shall have thirty business days or another mutually agreeable time frame after the standard interconnection agreement is received to sign and return the interconnection agreement to the EDU. When the Applicant does not sign the agreement within thirty business days, the interconnection request will be deemed withdrawn unless the Applicant requests an extension of the deadline in writing.

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THE DAYTON POWER AND LIGHT COMPANY
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~~The request for extension shall not be denied by the EDU, unless conditions on the EDU system have changed. Available for an Applicant whose generating facility is inverter based with a maximum nameplate capacity of 10 kW or less and the results of interconnecting the Applicant's generating facility to Company's Distribution System must comply with the following parameters:~~

- ~~1. The Applicant's proposed distributed generation facility's point of common coupling is not on a transmission line.~~
- ~~2. The interconnection is to be located on the load side of an area network.~~
- ~~3. The aggregated other generation on the area network does not exceed 5 percent of an area network's maximum load.~~
- ~~4. The proposed distributed generation facility installation is certified to pass an applicable non-islanding test or uses reverse power relays or other means to meet IEEE 1547 standard unintentional islanding requirements.~~

~~Construction of facilities by the Company on its own system is not required to accommodate the distributed generation facility. The Company shall provide the Applicant with a standard interconnection agreement within 5 days after completion of the Level 1.1 Simplified Review procedure.~~

~~The Company may perform an area network impact study at its own expense. When an area network impact study identifies potential adverse system impacts, the Company may determine that it is inappropriate for the distributed generation facility to interconnect to the area network and the Application filed for the Level 1.1 review shall be denied.~~

- ~~1. When the Company denies a Level 1.1 Application it shall provide the Applicant with a copy of the area network impact study and a written justification for denying the interconnection request.~~
- ~~2. Upon denial of the Level 1.1 interconnection request, the Applicant may elect to submit a new Application for consideration under Level 2 or Level 3 procedures, in which case the queue position assigned to the Level 1.1 Application shall be retained.~~

LEVEL 1.1 FEES

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~~Application fee is based on actual costs per one-tenth of an hour of time spent on the simplified review. Any area network impact study shall be conducted at the Company's own expense.~~

Level 1.2 Simplified Review Procedures

~~Available for an Applicant whose generating facility is inverter-based with a maximum nameplate capacity of 50 kW or less as fuel and the results of interconnecting the Applicant's generating facility to Company's Distribution System must comply with the following parameters:~~

- ~~1. — The interconnection is to be an area network distribution system.~~
- ~~2. — The proposed distributed generation facility installation is certified to pass an applicable non-islanding test or uses reverse power relays or other means to meet IEEE 1547 standard unintentional islanding requirements.~~
- ~~3. — The proposed Level 1.2 distributed generation facility meeting the Level 1.1 parameters set forth above shall be presumed to be appropriate for interconnecting to an area network.~~

~~Construction of facilities by the Company on its own system is not required to accommodate the distributed generation facility. The Company shall provide the Applicant with a standard interconnection agreement within 5 days after completion of the Level 1.2 Simplified Review procedure.~~

~~The Company may perform an area network impact study at its own expense. When an area network impact study identifies potential adverse system impacts, the Company may determine that it is inappropriate for the distributed generation facility to interconnect to the area network and the Application filed for the Level 1.2 review shall be denied.~~

- ~~1. — When the Company denies a Level 1.2 Application it shall provide the Applicant with a copy of the area network impact study and a written justification for denying the interconnection request.~~
- ~~2. — Upon denial of the Level 1.2 interconnection request, the Applicant may elect to submit a new Application for consideration under Level 2 or Level 3 procedures, in which case the queue position assigned to the Level 1.2 Application shall be retained.~~

LEVEL 1.2 FEES

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~~Application fee is based on actual costs per one-tenth of an hour of time spent on the simplified review.~~

Level 2 Expedited Procedures

Level 2 Expedited Review Process

In order for the Application to be reviewed under the Level 2 Expedited Review Process, the Applicant's generating facility must meet the following requirements:

1. The generating facility utilizes equipment that is certified in compliance with IEEE 1547 standard and UL 1741 standard.
2. The generating facility does not meet Level 1 interconnection review requirements.
3. The generating facility does not exceed the limits identified in the table below, which vary according to the voltage of the line at the proposed point of interconnection. Distributed generation facilities located within 2.5 miles of a substation and on a main distribution line with minimum 600-ampere capacity are eligible for expedited review under the higher thresholds. These eligibility limits do not guarantee fast track approval.

<u>Line Voltage</u>	<u>Expedited Review Regardless of Location</u>	<u>Expedited Review on a 600 amp line and within 2.5 feeder miles from substation</u>
<u>Less than or equal to 5 kV</u>	<u>Less than or equal to 500 kW</u>	<u>Less than 2 MW</u>
<u>5 kV less than or equal to 15 kV</u>	<u>Less than or equal to 2 MW</u>	<u>Less than 3 MW</u>
<u>15 kV less than or equal to 30 kV</u>	<u>Less than or equal to 3 MW</u>	<u>Less than 4 MW</u>
<u>30 kV less than or equal to 69 kV</u>	<u>Less than or equal to 4 MW</u>	<u>Less than 5 MW</u>

~~The Applicant's proposed certified inverter based or synchronous distributed generation facility in aggregation with all other generators on the Company's circuit must be 2 MWs or less and~~
~~The results of the~~ interconnecting the Applicant's generating facility to the Company's distribution system must comply with the following parameters:

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1. The Applicant's proposed distributed generation facility's point of common coupling is not on a transmission line.
- ~~2. The interconnection is to a radial distribution circuit.~~
- ~~23.~~ The proposed distributed generation facility complies with the IEEE 1547 standard and UL 1741 standard.
- ~~34.~~ The proposed distributed generation facility is not located in an area where there are known or posted transient stability limitations to generating units located in the general electrical vicinity, or the proposed distributed generation facility shall not have interdependencies, known to the EDU, with earlier queued transmission system interconnection requests, in aggregation with other generation interconnected to the distribution side of a substation transformer feeding the circuit where the distributed generation facility proposed to interconnect, shall not exceed 2 MWs in an area where there are known or posted transient stability limitations to generating units located in the general electrical vicinity.
- ~~45.~~ For interconnection of a proposed distributed generation facility to a radial distribution circuit, the aggregated generation, including the proposed distributed generation facility, on the circuit shall not exceed 15 percent of the line section annual peak load as most recently measured at the substation. The application of this screen addresses back feed and islanding conditions. The proposed distributed generation's capacity in aggregation with other generation on the circuit shall not exceed 15 percent of the total circuit peak load as most recently measured at the substation; nor will it exceed 15 percent of a distribution circuit line section annual peak load.
- ~~56.~~ The proposed distribution generation facility, in aggregation with other generation on the distribution circuit, shall not contribute more than 10 percent to the distribution circuit's maximum fault current at the point on the primary voltage distribution line nearest the proposed point of common coupling.
- ~~67.~~ The proposed distributed generation facility in aggregation with other generation located on the distribution circuit, may not cause any distribution protective devices and equipment (including substation breakers, fuse cutouts, and line reclosers, or other customer equipment on the electric distribution system to be exposed to fault currents exceeding ~~90~~~~85~~ percent of the short circuit interrupting capability; nor shall an Applicant requesting interconnection on a circuit that already exceeds 90 percent of the short circuit interrupting capability be permitted.

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~~8. The Applicant shall not request interconnection on a circuit that already exceeds 85 percent of the short circuit interrupting capability.~~

~~79.~~ When a proposed distributed generation facility is a single phase and is to be interconnected on a center tap neutral on a 240 volt service, its addition shall not create an imbalance between the two sides of the 240 volt service or more than 20 percent of the nameplate rating of the service transformer.

~~840.~~ The proposed distribution generation facility shall be interconnected to the EDU's primary distribution system as shown below:

<u>Primary Distribution Line Configuration</u>	<u>Interconnection to Primary Distribution Line</u>
<u>Three phase, three wire</u>	<u>If a three-phase or single-phase generating facility, interconnection must be phase-to-phase</u>
<u>Three phase, four wire</u>	<u>If a three-phase (effectively grounded) or single-phase generating facility, interconnection must be line-to-neutral</u>

~~installation is certified to pass an applicable non-islanding test, or uses reverse power relays or other means to meet IEEE 1547 standard unintentional islanding requirements.~~

~~11. On a three phase, three wire primary electric distribution line, a three or single phase generator shall be connected phase to phase.~~

~~12. When the Applicant's facility is to be connected to three phase, four wire primary distribution lines, a three or single phase generator will be connected line to neutral and will be effectively grounded.~~

~~943.~~ A review of the type of electrical service provided to the Applicant, including line configuration and the transformer connection, will be conducted to limit the potential for creating over voltages on the EDU's electric distribution system due to a loss of ground during the operation time of any anti-islanding function.

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~~10~~14. When the proposed distributed generation facility is to be interconnected on single-phase shared secondary line, the aggregate generation capacity on the shared secondary line, including the proposed distributed generation facility, will not exceed 65% of the transformer nameplate rating. ~~ten kilowatts.~~

11. For interconnection of a proposed distributed generation facility to the load side of spot or area network protectors, the proposed distributed generation facility must utilize an inverter-based equipment package and, together with the aggregated other inverter-based generation, shall not exceed the lesser of 5% of a spot or area network's maximum load or 50 kW.

~~12~~5. Construction of facilities by the ~~EDU~~Company on its own system is not required to accommodate the distributed generation facility.

~~When the Company determines that the Application passes the Level 2 review process, or fails one or more of the Level 2 criteria set forth in paragraph (A)(2) of this rule but the Company determines that the generation facility can be interconnected safely and reliably, the Company shall provide the Applicant with a standard distributed generation interconnection agreement within five business days after such determination.~~

When additional review by the Company may be appropriate for an Application failing to meet one or more of the Level 2 criteria, the Company shall offer to do the following for the Applicant:

1. Perform additional review to determine whether minor modifications to the electric distribution system would enable the interconnection to be made consistent with safety, reliability and power quality criteria.
2. Provide the Applicant with a nonbinding, good faith estimate of the Company's costs of additional review and minor modifications.
3. Notify the Applicant that the additional review or modifications will be undertaken only after the Applicant consents in writing to pay for the review and modifications.

The Company shall provide the Applicant with a standard interconnection agreement within five days after the approval of the Level 2 Expedited Application and all fees have been paid.

Level 2 Fees~~LEVEL 2 FEES~~

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The Company will charge an Application fee of up to fifty dollars, plus one dollar per kilowatt of the Applicant's system nameplate capacity rating ~~and the actual cost incurred of engineering work done as part of any impact or facilities study.~~ In the event than an Application is evaluated under supplemental review, the Company may charge a \$2,500 supplemental review deposit, adjusted following study completion to reflect the cost of engineering work billed at actual costs, and ~~The Company will charge the Applicant~~ the actual cost of any modification of the Company's Distribution System that would otherwise not be done but for the Applicant's interconnection request.

Level 2 Review Timeframe

Within 20 business days after the EDU notifies the Applicant that it has received a complete application, the EDU shall perform an initial review using the criteria set forth in the Level 2 Expedited Review Process and shall notify the Applicant of the results, and shall include with the notification copies of the analysis and data underlying the EDU's determinations. If the proposed interconnection meets the criteria, the application shall be approved and the EDU will provide the Applicant a standard interconnection agreement within five business days after the determination. The Applicant shall have thirty business days or another mutually agreeable time frame after the standard interconnection agreement is received to sign and return the interconnection agreement to the EDU. When the Applicant does not sign the agreement within thirty business days, the interconnection request will be deemed withdrawn unless the Applicant requests an extension of the deadline in writing. The request for extension shall not be denied by the EDU, unless conditions on the EDU system have changed.

If the proposed interconnection fails to meet the criteria, but the EDU determines that the proposed distributed generation facility may nevertheless be interconnected consistent with safety, reliability, and power quality standards, the EDU shall provide the Applicant a standard interconnection agreement within five business days after the determination and include a timetable for the physical interconnection of the Applicant's proposed distributed generation facility to the EDU's system.

If the proposed interconnection fails to meet the criteria and the EDU determines that minor modifications or further study may be required to interconnect the proposed distributed generation facility to the EDU's distribution system consistent with safety, reliability, and power quality standards, the EDU shall:

1. Offer to perform facility modifications or minor modifications to the EDU's electric system,

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2. Offer to perform a supplemental review if the EDU concludes that the supplemental review might determine that the proposed distributed generation facility could continue to qualify for interconnection pursuant to the expedited review process.
3. Obtain the Applicant's agreement to continue evaluating the application under the Level 3 standard review.

Facility or Minor System Modifications

If facility modifications or minor system modifications are required to allow the proposed distributed generation facility to be interconnected consistent with safety, reliability, and power quality standards under these procedures, the EDU shall provide the Applicant with a non-binding good faith estimate of the cost to make such modifications. If the interconnection customer agrees to pay for the modifications to the EDU's distribution system, the EDU shall provide the applicant with a standard distributed generation interconnection agreement within five business days.

Level 2 Supplemental Review

If the customer requests that the EDU perform a supplemental review, the customer shall agree in writing within 15 business days of the offer, and submit a supplemental review deposit of \$2,500, or the application shall be deemed withdrawn. Within 25 business days following receipt of the supplemental review deposit, the EDU shall perform a supplemental review using the screens set forth below and notify the Applicant of the results. For interconnection of a proposed distributed generation facility to an area network, the EDU may utilize different analytical procedures for conducting supplemental review than those set forth in this rule. Following study completion, the EDU shall bill or credit the Applicant any difference between the supplemental review deposit and the actual cost to perform the review. If the proposed interconnection fails one or more of the supplemental review screens, the EDU shall include the notification copies of the analysis and data underlying the EDU's determinations under the screens.

Supplemental Review Screens:

1. A supplemental review may be performed where twelve months of line section minimum load data is available or can be calculated, estimated from existing data, or determined from a power flow model, and where the aggregate distributed generation facility capacity on the line section is less than 100% of the minimum load for all line sections bounded by automatic sectionalizing devices upstream of the proposed distributed generation facility. If the minimum load data is not available,

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- or cannot be calculated, estimated or determined, the EDU shall include the reason(s) that is unable to calculate, estimate, or determine minimum load in its supplemental review results notification.
- a. The type of generation used by the proposed distributed generation facility will be taken into account when calculating, estimating, or determining the circuit or line section minimum load. For the application of a solar photovoltaic generation system with no battery storage, use daytime minimum load, and use absolute minimum load for other generation.
 - b. When this screen is being applied to a distributed generation facility that serves some onsite electrical load, the total load must be considered as part of the aggregate generation.
 - c. The EDU will consider generating facility capacity known to be reflected in the minimum load data as part of the aggregate generation for purposes of this screen.
2. In aggregate with existing generation on the line section: (1) the voltage regulation on the line section can be maintained in compliance with relevant requirements under all system conditions. (2) the voltage fluctuation is within acceptable limits as defined by IEEE 1453 or utility practice similar to IEEE 1453.
3. The location of the proposed distributed generation facility and the aggregate generation capacity on the line section do not create impacts to safety or reliability that cannot be addressed without application of the Level 3 standard review. The EDU may consider the following and other factors in determining potential impacts to safety and reliability in applying the screen:
- a. Whether the line section has significant minimum loading levels dominated by a small number of customers.
 - b. If there is an even or uneven distribution of loading along the feeder.
 - c. If the proposed distributed generation facility is located within 2.5 electrical line miles to the substation and if the distribution line from the substation to the customer is composed of a 600A class cable or conductor.
 - d. If the proposed distributed generation facility incorporates a time delay function to prevent reconnection of the generator to the system until system voltage and frequency are within normal limits for a prescribed time.

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- e. If operational flexibility is reduced by the proposed distributed generation facility, such that transfer of the line section(s) of the distributed generation facility to a neighboring distribution circuit/substation may trigger overloads or voltage issues.

If the proposed interconnection meets the supplemental review criteria, the application shall be approved and the EDU will provide the Applicant a standard interconnection agreement within five business days after the determination. The Applicant shall have thirty business days or another mutually agreeable time frame after the standard interconnection agreement is received to sign and return the interconnection agreement to the EDU. When the Applicant does not sign the agreement within thirty business days, the interconnection request will be deemed withdrawn unless the Applicant requests an extension of the deadline in writing. The request for extension shall not be denied by the EDU, unless conditions on the EDU system have changed.

If the proposed interconnection fails the supplemental review criteria, the EDU shall obtain the Applicant's agreement to continue evaluating the application under Level 3 standard review. If the Applicant agrees to have the project evaluated under the Level 3 standard review process, the cost of supplemental review shall be deducted from the otherwise applicable Level 3 standard review fee. If the Level 3 standard review fee is less than the supplemental review cost, the standard review fee shall be waived.

Level 3 Standard Procedures

Level 3 Standard Review ~~Process~~Procedure

~~Level 3 Standard Review procedures shall use the determinations made in the scoping meeting and the interconnection studies for technical analysis of the Applicant's proposed distributed generation facility installation.~~

In order for the Application to be approved under the Level 3 Standard Review ~~Process~~procedure, the Applicant's ~~inverter-based or synchronous distributed~~ generation facility does not qualify to meet the Level 1 or Level 2 interconnection review requirements or does not utilize equipment that is certified in compliance with IEEE 1547 standard and UL 1741 standard, either individually or in the aggregate, The generation facility must have a nameplate capacity of 20 MWs or less.

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Level 3 Standard Review procedures shall use the determinations made in the scoping meeting and the interconnection studies for technical analysis of the Applicant's proposed distributed generation facility installation. The EDU shall approve an application for interconnection under Level 3 review procedures if the EDU determines that the safety and reliability of the public utility's transmission or distribution system will not be compromised by interconnecting with the generation facility.
~~and the results of the interconnecting the Applicant's generating facility to a radial distribution circuit on the Company's distribution system must comply with any of the following applicable parameters:~~

- ~~1. The distributed generation facility is less than 2 MWs and is not certified or the distributed generation facility is less than 2 MWs and non-inverter based.~~
- ~~2. Known or posted transient stability limits to generating units located in the general electrical vicinity of the proposed point of common coupling require the proposed Application to be subject to a Level 3 standard review process.~~
- ~~3. The Company will use the Level 3 interconnection procedures if the Application fails to meet any criteria under Level 2 for the expedited process.~~
- ~~4. The Application was considered but not approved under a Level 2 review and the Applicant is submitting a new interconnection request for consideration under a Level 3 review procedure. The queue position assigned to the Level 2 interconnection Application of this chapter shall be retained.~~

~~The Company shall provide the Applicant with a standard interconnection agreement within five days after the approval of the Level 3 standard Application and the Applicant has paid the Application fee and of all the actual costs for the studies.~~

Level 3 Fees~~LEVEL 3 FEES~~

The Company will charge an Application fee up to \$100 plus \$2 per kilowatt of the system's nameplate capacity and the cost of engineering work done as part of any feasibility, system impact or facilities study, billed at actual cost. The Company will charge the Applicant the actual cost of any modification of the Company's system that would otherwise not be done but for the Applicant's interconnection request.

Level 3 Review Timeframe

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Within five business days after the completion of the Level 3 Standard procedure including an applicable feasibility, system impact, or facilities studies leading to the EDU's approval for interconnection of the Applicant's proposed distributed generation facility installation and collection by the EDU of all the actual costs for the studies billed to the applicant, the EDU shall provide the applicant with a standard interconnection agreement. The Applicant shall have thirty business days or another mutually agreeable time frame after the standard interconnection agreement is received to sign and return the interconnection agreement to the EDU. When the Applicant does not sign the agreement within thirty business days, the interconnection request will be deemed withdrawn unless the Applicant requests an extension of the deadline in writing. The request for extension shall not be denied by the EDU, unless conditions on the EDU system have changed.

SCOPING MEETING AND INTERCONNECTION STUDIES~~Scoping Meeting and Interconnection Studies~~

Scoping Meeting

A scoping meeting will be held within ten business days after the interconnection application is deemed complete, or as otherwise mutually agreed to by the parties. The EDU and the Applicant may bring to the meeting personnel, including system engineers and other resources as may be reasonably required to accomplish the purpose of the meeting.

The purpose of the scoping meeting is to discuss alternative interconnection options, to determine potential points of common coupling, to examine the Applicant's proposed point of interconnection on the EDU's distribution system, or to review an applicant's pre-application report or existing studies relevant to the interconnection application. The parties shall further discuss the appropriate Level 3 interconnection studies required to evaluate the interconnection of the proposed distributed generation facility to the EDU's distribution system.

The scoping meeting may be waived by mutual agreement if the parties decide to proceed directly to the Level 3 interconnection studies. The Application review process can be obtained through an informal request by the Applicant during a scoping meeting that includes discussion of the following:

1. The Applicant's proposed interconnection of a distributed generation facility at a specific location on the Company's distribution system.
2. Qualifications under Company's Level 1, Level 2, or Level 3 review procedures.

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~~3. Existing Company studies relevant to the interconnection request.~~

~~4. Reasonable requests from the Applicant for Company information including relevant system studies as well as other material useful to an understanding of an interconnection at a particular point on the system to the extent such information does not violate confidentiality provisions of prior agreements or critical infrastructure requirements.~~

~~The Company will schedule a scoping meeting within ten business days after the scoping meeting has been requested by the Applicant or as agreed to by other parties.~~

Queuing

When an interconnection request is complete, the Company shall assign the Application a queue position to establish the order in which the interconnection request will be reviewed in relation to other interconnection requests on the same or nearby sections of the ~~EDUCompany~~'s distribution system.

The queue position of an interconnection request shall be used to determine the cost responsibility necessary for the construction of any facilities to accommodate the interconnection in relation to other interconnection requests on the same or nearby sections of the ~~EDUCompany~~'s distribution system. The ~~EDUCompany~~ shall notify the Applicant at the scoping meeting about other higher queued Applicants.

Interconnection Study Requirements

~~One or more A specific~~ interconnection studies may be required by the ~~EDUCompany~~ prior to interconnection including a feasibility study, a system impact study, and a facilities study.~~service that will include the following:~~

1. Each type of study required will include a ~~EDUCompany~~ interconnection tariff fee schedule approved by the Commission as set forth in Rule 4901:1-22-08 of the Administrative Code.
2. Each type of study will be the subject of a written study agreement between the Applicant and the ~~EDUCompany~~ that includes the following:
 - a. A target date for completion of any required feasibility study, system impact study, and facilities study.

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- b. A provision to share the results of the study by the ~~EDU~~~~Company~~ with the Applicant.
 - c. A clear explanation of all estimated charges.
 - d. A good faith estimate of the total number of hours needed to complete the study.
 - e. An estimate of the total interconnection study fee.
3. A written study agreement may include an alternative provision that allows the required studies related to the interconnection of the generating facility(s) to be conducted by a qualified third party with the consent of the EDU.~~statement provided to the Applicant by the Company prior to the Study what includes the following:~~
- a. ~~A clear explanation of all charges.~~
 - b. ~~A good faith estimate of the number of hours that will be needed to complete the study.~~
 - c. ~~An estimate of the total interconnection study fee.~~
4. By mutual agreement of the parties, a feasibility study, a system impact study, or a facilities study under Level 3 procedures may be waived by the ~~EDU~~~~Company~~.
5. When the ~~EDU~~~~Company~~ determines, as a result of the studies conducted under a Level 3 review, that it is appropriate to interconnect the distributed generation facility, the ~~EDU~~~~Company~~ shall provide the Applicant with a standard distributed generation interconnection agreement.
6. If the interconnection request is denied, the ~~EDU~~~~Company~~ shall provide a written explanation within five business days from the denial. The ~~EDU~~~~Company~~ must allow the Applicant thirty business days to cure the reasons for denial while the Applicant's position in the queue is maintained.

The Feasibility Study

No later than five business days after the scoping meeting, the ~~EDU~~~~Company~~ shall provide the Applicant with a feasibility study agreement to determine the feasibility of interconnecting the Applicant's proposed

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distributed generation -facility at a particular point on the ~~EDUCompany~~'s system. The study shall include an outline of the scope of the study, a non-binding good faith estimate of the cost to perform the study and an analysis for the purpose of identifying a potential adverse system impact to the ~~EDUCompany~~'s system that would result from the interconnection. The analysis shall include:

1. Initial identification of any circuit breaker; short -circuit capability limits exceeded as a result of the interconnection.
2. Initial identification of any thermal overload or voltage limit violations resulting from the interconnection.
3. Initial review of grounding requirements and system protection.
4. A description and nonbinding estimated cost of facilities required to interconnect the distributed generation facility to the ~~EDUCompany~~'s system in a safe and reliable manner.

When an Applicant requests that the feasibility study evaluate multiple potential points of interconnection, additional evaluations may be required. The actual cost of the Company's additional evaluations shall be paid by the Applicant.

The System Impact Study

No later than five business days after the completion of or a waiver of the feasibility study, the ~~EDUCompany~~ shall provide a distribution system impact study agreement to the Applicant that includes an outline of the scope of the study and a nonbinding good faith estimate of the cost to perform the study.

If the feasibility study concludes there is no adverse system impact, or the study identifies an adverse system impact but the ~~EDUCompany~~ is able to identify a remedy, no system impact study is required.

A system impact study shall evaluate the impact of the proposed interconnection on the safety and reliability of the ~~EDUCompany~~'s system. The study shall:

1. Identify and detail the system impacts that result when a distributed generation facility is interconnected without project or system modifications.

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2. Consider the adverse system impacts identified in the feasibility study, or potential impacts including those identified in the scoping meeting.
3. Consider all generating facilities that, on the date the system impact study is commenced, are directly interconnected with the ~~EDUCompany~~'s system.
4. Consider pending higher queue position of facilities requesting interconnection to the system, or consider pending higher queue position of facilities requesting interconnection having a signed interconnection agreement.

A system impact study shall consider the following criteria:

1. A load flow study.
2. A short circuit analysis.
3. A stability analysis.
4. Voltage drop and flicker studies.
5. Protection and set point coordination studies.
6. Grounding reviews.

The ~~EDUCompany~~ shall state the underlying assumptions of the study and show the results of the analyses to the Applicant, including the following:

1. Any potential impediments to providing the requested interconnection service.
2. Any required distribution system upgrades and provide a nonbinding good faith estimate of cost and time to construct the system upgrades.

The Facilities Study

Within five business days of completion of the system impact study, the ~~EDUCompany~~ will send a report to the Applicant with a facilities ~~study~~ agreement. When the parties agree at the scoping meeting that no system impact study is required, the ~~EDUCompany~~ shall provide to the Applicant, no later than five business days after the scoping meeting, a facilities study agreement that enables the ~~EDUCompany~~ to determine the interconnection facilities needed to interconnect the Applicant's proposed distributed generation facility at a particular point on the ~~EDUCompany~~'s system.

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The facilities study agreement shall include both of the following:

1. An outline of the scope of the study.
2. A nonbinding good faith estimate of the cost to perform the study to cover the cost of the equipment, engineering, procurement and construction work, including overheads, needed to implement the conclusions of the feasibility study and/or the system impact study to interconnect the distributed generation facility.

The facilities study shall identify all of the following:

1. The electrical switching configuration of the equipment, including transformer, switchgear, meters, and other station equipment.
2. The nature and estimated cost of the ~~EDU~~Company's interconnection facilities and distribution upgrades necessary to accomplish the interconnection.
3. An estimate of the time required to complete the construction and installation of such facilities.

The parties may agree to permit an Applicant to separately arrange for a third party to design and construct the required interconnection facilities under the following conditions:

1. The ~~EDU~~Company may review the facilities to be designed and constructed by a third party under provisions included in the facilities study agreement of that purpose.
2. The Applicant and the third party separately arranging for design and construction agree to comply with security and confidentiality requirements.
3. The Company shall provide the Applicant with all relevant information and required specifications available to permit the Applicant to obtain an independent design and cost estimate for the facilities, which must be built in accordance with the specifications.

CONSTRUCTION OR SYSTEM UPGRADES

For those Applications that require construction or system upgrades of the Company's Distribution System, the Company shall provide the Applicant with an estimate of the timetable and the Applicant's cost of the

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construction or system upgrades. All construction or distribution system upgrade costs shall be the responsibility of the interconnection applicant. If the Applicant desires to proceed with the construction or system upgrades, the Applicant and the Company shall enter into a contract for the completion of the construction or system upgrades. All construction and system upgrade cost estimates and invoices shall be itemized and clearly explained. Interconnection service shall take place no later than two weeks following completion of such construction system upgrades.

METERING:

Any metering installation, testing, or recalibration required by the installation of the Interconnection Service Customer's distributed generation equipment shall be provided consistent with the Electric Service and Safety Standards pursuant to Ohio Revised Code Chapter 4928, and specifically O.A.C. § 4901:1-10-05 (Metering) and, as applicable, § 4901:1-10-28 (C) (Net Metering). Interconnection requested by the applicant for the purposes of net metering must follow the Commission's net metering rules promulgated pursuant to division (A)(3~~12~~) of section 4928.01 of the Revised Code. Any exception to the net metering rules shall be implemented in accordance with any special metering or communication infrastructure ordered by the commission.

LIABILITY INSURANCE:

Prior to any Interconnection with the Company, the Interconnection Service Customer must provide the Company with proof of insurance or other suitable financial instrument sufficient to meet its construction, operating and liability responsibilities pursuant to this Tariff Sheet. At no time shall the Company require that the Applicant negotiate any policy or renewal of any policy covering any liability through a particular insurance company, agent, solicitor, or broker.

TERMINATION RIGHTS

An interconnection agreement becomes effective when executed by both parties and shall continue in force until terminated under any of the following conditions:

1. The Applicant terminates the interconnection agreement at any time by giving the EDU sixty calendar days prior notice.

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2. The EDU terminates the interconnection agreement upon failure of the applicant to generate energy from the Applicant's facility in parallel with the EDU's system by the later of two years from the date of the executed interconnection agreement or twelve months after completion of the interconnection.

3. Either party terminates by giving the other party at least sixty calendar days prior written notice that the other party is in default of any of the material terms and conditions of the interconnection agreement, so long as the notice specifies the basis for the termination and there is reasonable opportunity to cure the default.

Upon termination of an interconnection agreement, the Applicant's facilities will be disconnected from the EDU's system. The termination of the interconnection agreement shall not relieve either party of its liabilities and obligations, owed or continuing at the time of the termination.

RULES AND REGULATIONS:

All electric service of the Company is rendered under and subject to the Rules and Regulations contained within this Schedule and any terms and conditions set forth in any Agreement between the Company and the customer.

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Exhibit B
Clean Tariffs

P.U.C.O. No. 17
ELECTRIC DISTRIBUTION SERVICE
TARIFF INDEX

Sheet No.	Version	Description	Number of Pages	Tariff Sheet Effective Date
D1	First Revised	Table of Contents	1	June 30, 2009
D2	Forty-Ninth Revised	Tariff Index	2	July 10, 2014

RULES AND REGULATIONS

D3	Original	Application and Contract for Service	3	January 1, 2001
D4	Second Revised	Credit Requirements of Customer	1	February 24, 2012
D5	Sixth Revised	Billing and Payment for Electric Service	8	February 24, 2012
D6	First Revised	Disconnection/Reconnection of Service	5	July 8, 2005
D7	Original	Meters and Metering Equipment- Location and Installation	2	January 1, 2001
D8	Original	Service Facilities – Location and Installation	3	January 1, 2001
D9	Original	Equipment on Customer's Premises	3	January 1, 2001
D10	Original	Use and Character of Service	5	January 1, 2001
D11	First Revised	Emergency Electrical Procedures	12	January 1, 2014
D12	Second Revised	Extension of Electric Facilities	5	March 1, 2014
D13	First Revised	Extension of Electric Facilities to House Trailer Parks	2	November 1, 2002
D14	First Revised	Definitions and Amendments	4	August 16, 2004
D15	Original	Additional Charges	1	January 1, 2001
D16	Original	Open Access Terms and Conditions	3	January 1, 2001

TARIFFS

D17	Eleventh Revised	Residential	2	January 1, 2014
D18	Eleventh Revised	Residential Heating	3	January 1, 2014
D19	Tenth Revised	Secondary	4	January 1, 2014
D20	Tenth Revised	Primary	3	January 1, 2014

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<u>Sheet No.</u>	<u>Version</u>	<u>Description</u>	<u>Number of Pages</u>	<u>Tariff Sheet Effective Date</u>
D21	Tenth Revised	Primary-Substation	3	January 1, 2014
D22	Ninth Revised	High Voltage	3	January 1, 2014
D23	Eleventh Revised	Private Outdoor Lighting	3	January 1, 2014
D24	Tenth Revised	School	2	January 1, 2014
D25	Tenth Revised	Street Lighting	4	January 1, 2014
D26	Second Revised	Miscellaneous Service Charges	1	February 24, 2012
D35	Third Revised	Interconnection Tariff	21	July 10, 2014

RIDERS

D27	First Revised	Reserved	1	November 1, 2011
D28	Fourteenth Revised	Universal Service Fund Rider	1	January 1, 2014
D29	Seventh Revised	Reconciliation Rider Nonbypassable	1	June 1, 2014
D30	Third Revised	Reserved	1	July 14, 2008
D31	Fourth Revised	Reserved	1	April 7, 2011
D32	Second Revised	Reserved	1	January 1, 2011
D33	Third Revised	Excise Tax Surcharge Rider	1	May 1, 2010
D34	First Revised	Switching Fees	2	January 1, 2006
D36	First Revised	Reserved	1	July 25, 2008
D37	Second Revised	Reserved	1	January 1, 2012
D38	Sixth Revised	Energy Efficiency Rider	1	March 1, 2014
D39	Eighth Revised	Economic Development Rider	1	June 1, 2014

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P.U.C.O. No. 17
ELECTRIC DISTRIBUTION SERVICE
INTERCONNECTION SERVICE

DESCRIPTION OF SERVICE:

This Tariff Sheet provides the terms, conditions and fees for the Interconnection of electric distributed generation facilities to the Company's Distribution System.

APPLICABLE:

Applicable in the entire territory where DP&L P.U.C.O. No. 17 applies, this Tariff Sheet applies to those situations where a Service Customer seeks to physically connect its electric distributed generation facility to, and may operate it in parallel with, the Company's Distribution System. This Tariff Sheet is not applicable for customers who want to interconnect to the Company's transmission system.

PURPOSE:

The purpose of this Tariff Sheet is to implement Ohio Revised Code Section 4928.11, which calls for uniform interconnection standards that are not unduly burdensome or expensive and also ensure safety and reliability of the Company's Distribution System. This Tariff Sheet contains the terms and conditions that govern the Interconnection and Parallel Operation of an Interconnection Service Customer's facility with the Company's Distribution System.

DEFINITIONS:

For the purpose of this Interconnection Service Tariff Sheet, the following words shall have the meanings set forth below:

"Applicant" means the person requesting interconnection service and may be any of the following:

- (a). A customer generator as defined by division (A)(29) of section 4928.01 of the Revised Code.
- (b). A self-generator as defined by division (A)(32) of section 4928.01 of the Revised Code.
- (c). The owner or operator of distributed generation as defined by paragraph (K) of this rule.

"Application" means a request to an electric distribution utility (EDU) using the format set forth on the web site of the Public Utilities Commission of Ohio for interconnection of distributed generation to the electric distribution system owned by the EDU.

"Area Network" means a type of electric distribution system served by multiple transformers interconnected in an electrical network circuit, which is generally used in large metropolitan areas that are densely populated, in order to provide highly reliable service. Area network has the same meaning as the

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term “distribution secondary grid network” found in the Institute of Electrical and Electronics Engineers (IEEE) standard 1547 sub clause 4.1.4.

“Automatic sectionalizing device” means any self-contained, circuit-opening device used in conjunction with a source-side protective device, which features automatic reclosing capability.

“Backup electricity supply” means replacement electric power supplied to an Applicant by the EDU at a tariff rate or alternatively, as a market-based option or by a competitive retail electric service provider of the Applicant’s choice at a rate to be determined between the provider and the Applicant.

“Business Day” means any day which is not Saturday, Sunday, or legal holiday.

“Calendar Day” means any day, including Saturday, Sunday, and legal holidays.

“Commission” means the Public Utilities Commission of Ohio.

“Company” means the Dayton Power and Light Company.

“Competitive retail electric service” means a component of retail electric service that is competitive as provided under division (B) of section 4928.01 of the Revised Code.

“Cost recovery” means collection, upon approval by the Commission pursuant to its authority under section 4909.15 of the Revised Code, of such documented EDU interconnection costs that are incurred at reasonable levels for prudent purposes and that are over and above the review processing fees set forth in rules 4901:1-22-06 to 4901:1-22-08 of the Administrative Code

“Distributed Generation” is a general term for all or part of a system of a distributed electrical generator or a static inverter either by itself or in the aggregate of twenty (20) MWs or less in size together with all protective, safety, and associated equipment installed at a point of common coupling on the EDU’s distribution system in close proximity to the customer load.

“Electric distribution utility” or (EDU) means an electric distribution utility, which is an investor-owned electric utility that owns or operates a distribution wires system and supplies at least retail electric distribution service.

“Equipment packages” means distributed generation facility assembled to include not only a generator or electric source but related peripheral devices that facilitate operation of the distributed generation.

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“Expedited procedure” means a review process for certified distributed generation that passes a certain pre-specified review procedure, has a capacity rating of two (2) MWs or less, and does not qualify for simplified procedures.

“Interconnection” means the physical connection of the Applicant’s facilities to the EDU’s distribution system for the purpose of electrical power transfers.

“Interconnection point” means the point at which the Applicant’s distributed generation facility physically connects to the EDU’s system.

“Interconnection service” means the services provided by an EDU or transmission provider for the Applicant’s distributed generation facility.

“Line section” means either that portion of an EDU’s electric system connected to a customer bounded by automatic sectionalizing devices, the end of the distribution line, or a line segment identified as appropriate for study by a utility engineer.

“Minor modification” to an interconnection application means a change in the technical characteristics that improves the reliability, safety and compatibility of the interconnection with the electric distribution system while not materially increasing the size or cost of the intended distributed generation facility installation.

“Parallel operation with the EDU’s System” means all the electrical connections between the Applicant’s distributed generation facility and the EDU’s system that are capable of operating in conjunction with each other.

“Point of common coupling” means the point which the distributed generation facility is connected to the EDU’s System.

“Reliability” means the degree of performance of the elements of the electric system that results in electricity being delivered to and from an Applicant in the amount desired while avoiding adverse effects on the adequacy and security of the electric supply, defined respectively as:

- (a) The ability of the electric system to supply the aggregate electrical demand and energy requirements at all times, taking into account scheduled and unscheduled outage of system elements.
- (b) The ability of the electric system to withstand sudden disturbances such as electric short circuits or unanticipated loss of system elements.

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“Retail electric service provider” means any entity in the State of Ohio that provides retail electric service as defined by division (A)(27) of section 4928.01 of the Revised Code.

“Sale of resale” means a sale of energy to any energy supplier, electric utility or a public authority for resale purposes.

“Scoping meeting” means a meeting between the representatives of the Applicant and the EDU conducted for but not limited to the following purposes:

- (a) To discuss alternative interconnection options.
- (b) To exchange information including any electric distribution system data and earlier study evaluations that would be expected to impact such interconnection options.
- (c) To analyze such information.
- (d) To determine the potential points of common coupling.

“Simplified procedures” means a review process for interconnection of inverter-based distributed generation twenty-five (25) kW or less in size on a radial or spot network system under certain conditions.

“Standard procedures” means a review process for interconnection of any generating facility(s) that has power rating of twenty (20) MWs or less, not qualifying for either simplified or expedited interconnection review processes.

“Spot network,” as defined by IEEE standard 1547 sub clause 4.1.4, means a type of electric distribution system that uses two or more inter-tied transformers to supply an electric network circuit and is generally used to supply power to a single customer or a small group of customers.

PROCEDURES:

Any Interconnection Service Customer seeking to physically connect facilities to the Company's Distribution System, which facilities may be used in parallel operation with the Company's Distribution System, shall follow the stratified review process below which is based on the size and location of the Applicants proposed facility.

All Interconnection Applications shall be processed by the Company in a non-discriminatory manner in the order in which they are received. When an application is submitted, the Company shall determine whether the application is complete and provide the Applicant a written or email notice of the Company's receipt of the Application within ten business days after it is received. If the Company determines that the application is complete, the Company shall provide each Interconnection Service Customer with a copy of the applicable review process and a target date for processing the Application. If the Application is viewed

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INTERCONNECTION SERVICE

as incomplete, the Company shall provide a notice of receipt with a copy of the application review process, a checklist or description of information needed to complete the Application, and a statement that processing of the Application cannot begin until the information is received. It is recognized that certain Interconnection Applications may require minor modifications while they are being reviewed by the Company. Such minor modifications to a pending Application shall not require that it be considered incomplete and treated as a new or separate Application. Upon receiving any necessary materials missing from the original application, the Company shall provide the Applicant with a second written or email notice establishing a target date from processing the application.

If the Company determines that it cannot connect the Interconnection Customer's facility within the time frames required by O.A.C. § 4901:1-22, the Company will notify the Interconnection Customer in writing within ten business days after the Application has been received. The notification will identify the reason or reasons Interconnection Service could not be performed within the statutory time frames and provide an estimated date for Interconnection Service. This section shall not limit the rights of an Interconnection Service Customer for relief under Ohio Revised Code Chapter 4905.

PRE-APPLICATION

An Applicant may submit a formal request along with a non-refundable processing fee of \$300 for a pre-application report on a proposed project at a specific site. The EDU shall provide the pre-application data to the Applicant within ten business days of receipt of the written request and payment of the \$300 processing fee.

The pre-application report will include the following information

1. Total generation capacity (in megawatts) of substation/area bus, bank or circuit based on normal and operating ratings likely to serve the proposed site.
2. Existing aggregate generation capacity (in megawatts) interconnected to a substation/area bus, bank or circuit, which is the online amount of generation, likely to serve the proposed site.
3. Aggregate queued generation capacity (in megawatts) for a substation/area bus, bank or circuit, which is the amount of generation in the queue likely to serve the proposed site.
4. Available generation capacity (in megawatts) of substation/area bus or bank and circuit most likely to serve the proposed site, which is the total capacity less the sum of existing aggregate generation capacity and aggregate queued generation capacity.
5. Substation nominal distribution voltage and/or transmission nominal voltage, if applicable.

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6. Nominal distribution circuit voltage at the proposed site.
7. Approximate circuit distance between the proposed site and the substation.
8. Relevant line section(s) peak load estimate, and minimum load data, when available.
9. Number and rating of protective devices and number and type (standard, bi-directional) of voltage regulating devices between the proposed site and the substation/area. Identify whether substation has a load tap changer.
10. Number of phases available at the site.
11. Limiting conductor ratings from the proposed point of interconnection to the distribution substation.
12. Based on the proposed point of interconnection, existing or known constraints such as, but not limited to, electrical dependencies at that location, short circuit interrupting capacity issues, power quality or stability issues on the circuit, capacity constraints, or secondary networks.

The pre-application report need only include pre-existing data. A pre-application report request does not obligate the EDU to conduct a study or other analysis of the proposed generator in the event that data is not readily available. If the EDU cannot complete some of a pre-application report due to lack of available data, the EDU shall provide the Applicant with a pre-application report that includes data that is available.

INTERCONNECTION REVIEW PROCEDURES:

Level 1 Simplified Procedures

Level 1 Simplified Review Process

Available for an Applicant whose generating facility uses inverter-based equipment that is certified in compliance with IEEE 1547 standard and UL 1741 standard, with a maximum nameplate capacity of 25 kW or less.

The results of interconnecting the Applicant's generating facility to Company's distribution system must comply with the following parameters:

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1. The Applicant's proposed distributed generation facility's point of common coupling is not on a transmission line.
2. For interconnection of a proposed distributed generation facility to a radial distribution circuit, the aggregated generation, including the proposed distributed generation facility, on the circuit shall not exceed 15 percent of the line section annual peak load as most recently measured at the substation.
3. The proposed distributed generation facility, in aggregation with other generation on the distribution circuit, shall not contribute more than 10 percent to the distribution circuit's maximum fault current at the point on the high voltage (primary) level nearest the proposed point of common coupling.
4. For interconnection of a proposed distributed generation facility to the load side of spot network protectors, the proposed distributed generation facility must utilize an inverter-based equipment package and, together with the aggregated other inverter-based generation, shall not exceed the smaller of 5 percent of a spot network's maximum load or 50 kW.
5. Direct current injection shall be maintained at or below five-tenths of a percent of full rated inverter output current into the point of common coupling.
6. When a proposed distributed generation facility is single phase and is to be interconnected on a center tap neutral of a 240 volt service, its addition shall not create an imbalance between the two sides of the 240 volt service of more than 20 percent of the nameplate rating of the service transformer.
7. The proposed distributed generation facility installation is certified to pass an applicable non-islanding test, or uses reverse power relays or other means to meet the unintentional islanding requirements of the Institute of Electrical and Electronics Engineers (IEEE) 1547 standard and Underwriters Laboratory 1741 standard.
8. The proposed distributed generation facility installation complies with the IEEE 1547 standard and UL 1741 standard.

Construction of facilities by the Company on its own system is not required to accommodate the distributed generation facility.

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Level 1 Fees

The Level 1 application fee shall be \$50.00.

Level 1 Review Timeframe

Within 15 business days after the EDU notifies the Applicant that it has received a complete short form interconnection service application, the EDU shall perform a review using the criteria set forth in the Level 1 Simplified Review Procedures and shall notify the Applicant of the results, and shall include with the notification copies of the analysis and data underlying the EDU's determinations. An Applicant's proposed distributed generation facility installation that complies with the parameters set forth in the Level 1 Simplified Review Procedures requires no further study by the EDU for the purpose of interconnection to the EDU's distribution system.

If the proposed interconnection fails one or more of the screening criteria, the application shall be denied. Upon denial of the Level 1 interconnection request, the Applicant may elect to submit a new application for consideration under Level 2 or Level 3 procedures, in which case the queue position assigned to the Level 1 application shall be retained.

If the proposed interconnection meets the criteria, the application shall be approved and the EDU will provide the Applicant a standard interconnection agreement within five business days after the determination. The Applicant shall have thirty business days or another mutually agreeable time frame after the standard interconnection agreement is received to sign and return the interconnection agreement to the EDU. When the Applicant does not sign the agreement within thirty business days, the interconnection request will be deemed withdrawn unless the Applicant requests an extension of the deadline in writing. The request for extension shall not be denied by the EDU, unless conditions on the EDU system have changed.

Level 2 Expedited Procedures

Level 2 Expedited Review Process

In order for the Application to be reviewed under the Level 2 Expedited Review Process, the Applicant's generating facility must meet the following requirements:

1. The generating facility utilizes equipment that is certified in compliance with IEEE 1547 standard and UL 1741 standard.
2. The generating facility does not meet Level 1 interconnection review requirements.

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3. The generating facility does not exceed the limits identified in the table below, which vary according to the voltage of the line at the proposed point of interconnection. Distributed generation facilities located within 2.5 miles of a substation and on a main distribution line with minimum 600-ampere capacity are eligible for expedited review under the higher thresholds. These eligibility limits do not guarantee fast track approval.

Line Voltage	Expedited Review Regardless of Location	Expedited Review on a 600 amp line and within 2.5 feeder miles from substation
Less than or equal to 5 kV	Less than or equal to 500 kW	Less than 2 MW
5 kV less than or equal to 15 kV	Less than or equal to 2 MW	Less than 3 MW
15 kV less than or equal to 30 kV	Less than or equal to 3 MW	Less than 4 MW
30 kV less than or equal to 69 kV	Less than or equal to 4 MW	Less than 5 MW

The results of interconnecting the Applicant's generating facility to the Company's distribution system must comply with the following parameters:

1. The Applicant's proposed distributed generation facility's point of common coupling is not on a transmission line.
2. The proposed distributed generation facility complies with the IEEE 1547 standard and UL 1741 standard.
3. The proposed distributed generation facility is not located in an area where there are known or posted transient stability limitations to generating units located in the general electrical vicinity, or the proposed distributed generation facility shall not have interdependencies, known to the EDU, with earlier queued transmission system interconnection requests.
4. For interconnection of a proposed distributed generation facility to a radial distribution circuit, the aggregated generation, including the proposed distributed generation facility, on the circuit shall not exceed 15 percent of the line section annual peak load as most recently measured at the substation. The application of this screen addresses back feed and islanding conditions.
5. The proposed distribution generation facility, in aggregation with other generation on the distribution circuit, shall not contribute more than 10 percent to the distribution circuit's maximum

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fault current at the point on the primary voltage distribution line nearest the proposed point of common coupling.

6. The proposed distributed generation facility in aggregation with other generation located on the distribution circuit, may not cause any distribution protective devices and equipment (including substation breakers, fuse cutouts, and line reclosers, or other customer equipment on the electric distribution system to be exposed to fault currents exceeding 90 percent of the short circuit interrupting capability; nor shall an Applicant requesting interconnection on a circuit that already exceeds 90 percent of the short circuit interrupting capability be permitted.
7. When a proposed distributed generation facility is a single phase and is to be interconnected on a center tap neutral on a 240 volt service, its addition shall not create an imbalance between the two sides of the 240 volt service or more than 20 percent of the nameplate rating of the service transformer.
8. The proposed distribution generation facility shall be interconnected to the EDU's primary distribution system as shown below:

Primary Distribution Line Configuration	Interconnection to Primary Distribution Line
Three phase, three wire	If a three-phase or single-phase generating facility, interconnection must be phase-to-phase
Three phase, four wire	If a three-phase (effectively grounded) or single-phase generating facility, interconnection must be line-to-neutral

9. A review of the type of electrical service provided to the Applicant, including line configuration and the transformer connection, will be conducted to limit the potential for creating over voltages on the EDU's electric distribution system due to a loss of ground during the operation time of any anti-islanding function.
10. When the proposed distributed generation facility is to be interconnected on single-phase shared secondary line, the aggregate generation capacity on the shared secondary line, including the proposed distributed generation facility, will not exceed 65% of the transformer nameplate rating.
11. For interconnection of a proposed distributed generation facility to the load side of spot or area network protectors, the proposed distributed generation facility must utilize an inverter-based

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equipment package and, together with the aggregated other inverter-based generation, shall not exceed the lesser of 5% of a spot or area network's maximum load or 50 kW.

12. Construction of facilities by the EDU on its own system is not required to accommodate the distributed generation facility.

When additional review by the Company may be appropriate for an Application failing to meet one or more of the Level 2 criteria, the Company shall offer to do the following for the Applicant:

1. Perform additional review to determine whether minor modifications to the electric distribution system would enable the interconnection to be made consistent with safety, reliability and power quality criteria.
2. Provide the Applicant with a nonbinding, good faith estimate of the Company's costs of additional review and minor modifications.
3. Notify the Applicant that the additional review or modifications will be undertaken only after the Applicant consents in writing to pay for the review and modifications.

The Company shall provide the Applicant with a standard interconnection agreement within five days after the approval of the Level 2 Expedited Application and all fees have been paid.

Level 2 Fees

The Company will charge an Application fee of up to fifty dollars, plus one dollar per kilowatt of the Applicant's system nameplate capacity rating. In the event that an Application is evaluated under supplemental review, the Company may charge a \$2,500 supplemental review deposit, adjusted following study completion to reflect the cost of engineering work billed at actual costs, and the actual cost of any modification of the Company's Distribution System that would otherwise not be done but for the Applicant's interconnection request.

Level 2 Review Timeframe

Within 20 business days after the EDU notifies the Applicant that it has received a complete application, the EDU shall perform an initial review using the criteria set forth in the Level 2 Expedited Review Process and shall notify the Applicant of the results, and shall include with the notification copies of the analysis and data underlying the EDU's determinations. If the proposed interconnection meets the criteria, the application shall be approved and the EDU will provide the Applicant a standard interconnection agreement within five business days after the determination. The Applicant shall have thirty business days

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or another mutually agreeable time frame after the standard interconnection agreement is received to sign and return the interconnection agreement to the EDU. When the Applicant does not sign the agreement within thirty business days, the interconnection request will be deemed withdrawn unless the Applicant requests an extension of the deadline in writing. The request for extension shall not be denied by the EDU, unless conditions on the EDU system have changed.

If the proposed interconnection fails to meet the criteria, but the EDU determines that the proposed distributed generation facility may nevertheless be interconnected consistent with safety, reliability, and power quality standards, the EDU shall provide the Applicant a standard interconnection agreement within five business days after the determination and include a timetable for the physical interconnection of the Applicant's proposed distributed generation facility to the EDU's system.

If the proposed interconnection fails to meet the criteria and the EDU determines that minor modifications or further study may be required to interconnect the proposed distributed generation facility to the EDU's distribution system consistent with safety, reliability, and power quality standards, the EDU shall:

1. Offer to perform facility modifications or minor modifications to the EDU's electric system,
2. Offer to perform a supplemental review if the EDU concludes that the supplemental review might determine that the proposed distributed generation facility could continue to qualify for interconnection pursuant to the expedited review process,
3. Obtain the Applicant's agreement to continue evaluating the application under the Level 3 standard review.

Facility or Minor System Modifications

If facility modifications or minor system modifications are required to allow the proposed distributed generation facility to be interconnected consistent with safety, reliability, and power quality standards under these procedures, the EDU shall provide the Applicant with a non-binding good faith estimate of the cost to make such modifications. If the interconnection customer agrees to pay for the modifications to the EDU's distribution system, the EDU shall provide the applicant with a standard distributed generation interconnection agreement within five business days.

Level 2 Supplemental Review

If the customer requests that the EDU perform a supplemental review, the customer shall agree in writing within 15 business days of the offer, and submit a supplemental review deposit of \$2,500, or the application shall be deemed withdrawn. Within 25 business days following receipt of the supplemental review deposit,

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the EDU shall perform a supplemental review using the screens set forth below and notify the Applicant of the results. For interconnection of a proposed distributed generation facility to an area network, the EDU may utilize different analytical procedures for conducting supplemental review than those set forth in this rule. Following study completion, the EDU shall bill or credit the Applicant any difference between the supplemental review deposit and the actual cost to perform the review. If the proposed interconnection fails one or more of the supplemental review screens, the EDU shall include the notification copies of the analysis and data underlying the EDU's determinations under the screens.

Supplemental Review Screens:

1. A supplemental review may be performed where twelve months of line section minimum load data is available or can be calculated, estimated from existing data, or determined from a power flow model, and where the aggregate distributed generation facility capacity on the line section is less than 100% of the minimum load for all line sections bounded by automatic sectionalizing devices upstream of the proposed distributed generation facility. If the minimum load data is not available, or cannot be calculated, estimated or determined, the EDU shall include the reason(s) that is unable to calculate, estimate, or determine minimum load in its supplemental review results notification.
 - a. The type of generation used by the proposed distributed generation facility will be taken into account when calculating, estimating, or determining the circuit or line section minimum load. For the application of a solar photovoltaic generation system with no battery storage, use daytime minimum load, and use absolute minimum load for other generation.
 - b. When this screen is being applied to a distributed generation facility that serves some onsite electrical load, the total load must be considered as part of the aggregate generation.
 - c. The EDU will consider generating facility capacity known to be reflected in the minimum load data as part of the aggregate generation for purposes of this screen.
2. In aggregate with existing generation on the line section: (1) the voltage regulation on the line section can be maintained in compliance with relevant requirements under all system conditions. (2) the voltage fluctuation is within acceptable limits as defined by IEEE 1453 or utility practice similar to IEEE 1453.
3. The location of the proposed distributed generation facility and the aggregate generation capacity on the line section do not create impacts to safety or reliability that cannot be addressed without application of the Level 3 standard review. The EDU may consider the following and other factors in determining potential impacts to safety and reliability in applying the screen:

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- a. Whether the line section has significant minimum loading levels dominated by a small number of customers.
- b. If there is an even or uneven distribution of loading along the feeder.
- c. If the proposed distributed generation facility is located within 2.5 electrical line miles to the substation and if the distribution line from the substation to the customer is composed of a 600A class cable or conductor.
- d. If the proposed distributed generation facility incorporates a time delay function to prevent reconnection of the generator to the system until system voltage and frequency are within normal limits for a prescribed time.
- e. If operational flexibility is reduced by the proposed distributed generation facility, such that transfer of the line section(s) of the distributed generation facility to a neighboring distribution circuit/substation may trigger overloads or voltage issues.

If the proposed interconnection meets the supplemental review criteria, the application shall be approved and the EDU will provide the Applicant a standard interconnection agreement within five business days after the determination. The Applicant shall have thirty business days or another mutually agreeable time frame after the standard interconnection agreement is received to sign and return the interconnection agreement to the EDU. When the Applicant does not sign the agreement within thirty business days, the interconnection request will be deemed withdrawn unless the Applicant requests an extension of the deadline in writing. The request for extension shall not be denied by the EDU, unless conditions on the EDU system have changed.

If the proposed interconnection fails the supplemental review criteria, the EDU shall obtain the Applicant's agreement to continue evaluating the application under Level 3 standard review. If the Applicant agrees to have the project evaluated under the Level 3 standard review process, the cost of supplemental review shall be deducted from the otherwise applicable Level 3 standard review fee. If the Level 3 standard review fee is less than the supplemental review cost, the standard review fee shall be waived.

Level 3 Standard Procedures

Level 3 Standard Review Process

In order for the Application to be approved under the Level 3 Standard Review Process, the Applicant's generation facility does not qualify to meet the Level 1 or Level 2 interconnection review requirements or

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does not utilize equipment that is certified in compliance with IEEE 1547 standard and UL 1741 standard. The generation facility must have a nameplate capacity of 20 MWs or less.

Level 3 Standard Review procedures shall use the determinations made in the scoping meeting and the interconnection studies for technical analysis of the Applicant's proposed distributed generation facility installation. The EDU shall approve an application for interconnection under Level 3 review procedures if the EDU determines that the safety and reliability of the public utility's transmission or distribution system will not be compromised by interconnecting with the generation facility.

Level 3 Fees

The Company will charge an Application fee up to \$100 plus \$2 per kilowatt of the system's nameplate capacity and the cost of engineering work done as part of any feasibility, system impact or facilities study, billed at actual cost. The Company will charge the Applicant the actual cost of any modification of the Company's system that would otherwise not be done but for the Applicant's interconnection request.

Level 3 Review Timeframe

Within five business days after the completion of the Level 3 Standard procedure including an applicable feasibility, system impact, or facilities studies leading to the EDU's approval for interconnection of the Applicant's proposed distributed generation facility installation and collection by the EDU of all the actual costs for the studies billed to the applicant, the EDU shall provide the applicant with a standard interconnection agreement. The Applicant shall have thirty business days or another mutually agreeable time frame after the standard interconnection agreement is received to sign and return the interconnection agreement to the EDU. When the Applicant does not sign the agreement within thirty business days, the interconnection request will be deemed withdrawn unless the Applicant requests an extension of the deadline in writing. The request for extension shall not be denied by the EDU, unless conditions on the EDU system have changed.

SCOPING MEETING AND INTERCONNECTION STUDIES

Scoping Meeting

A scoping meeting will be held within ten business days after the interconnection application is deemed complete, or as otherwise mutually agreed to by the parties. The EDU and the Applicant may bring to the meeting personnel, including system engineers and other resources as may be reasonably required to accomplish the purpose of the meeting.

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The purpose of the scoping meeting is to discuss alternative interconnection options, to determine potential points of common coupling, to examine the Applicant's proposed point of interconnection on the EDU's distribution system, or to review an applicant's pre-application report or existing studies relevant to the interconnection application. The parties shall further discuss the appropriate Level 3 interconnection studies required to evaluate the interconnection of the proposed distributed generation facility to the EDU's distribution system.

The scoping meeting may be waived by mutual agreement if the parties decide to proceed directly to the Level 3 interconnection studies.

Queuing

When an interconnection request is complete, the Company shall assign the Application a queue position to establish the order in which the interconnection request will be reviewed in relation to other interconnection requests on the same or nearby sections of the EDU's distribution system.

The queue position of an interconnection request shall be used to determine the cost responsibility necessary for the construction of any facilities to accommodate the interconnection in relation to other interconnection requests on the same or nearby sections of the EDU's distribution system. The EDU shall notify the Applicant at the scoping meeting about other higher queued Applicants.

Interconnection Study Requirements

One or more interconnection studies may be required by the EDU prior to interconnection including a feasibility study, a system impact study, and a facilities study.

1. Each type of study required will include a EDU interconnection tariff fee schedule approved by the Commission as set forth in Rule 4901:1-22-08 of the Administrative Code.
2. Each type of study will be the subject of a written study agreement between the Applicant and the EDU that includes the following:
 - a. A target date for completion of any required feasibility study, system impact study, and facilities study.
 - b. A provision to share the results of the study by the EDU with the Applicant.
 - c. A clear explanation of all estimated charges.

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- d. A good faith estimate of the total number of hours needed to complete the study.
 - e. An estimate of the total interconnection study fee.
- 3. A written study agreement may include an alternative provision that allows the required studies related to the interconnection of the generating facility(s) to be conducted by a qualified third party with the consent of the EDU.
 - 4. By mutual agreement of the parties, a feasibility study, a system impact study, or a facilities study under Level 3 procedures may be waived by the EDU.
 - 5. When the EDU determines, as a result of the studies conducted under a Level 3 review, that it is appropriate to interconnect the distributed generation facility, the EDU shall provide the Applicant with a standard distributed generation interconnection agreement.
 - 6. If the interconnection request is denied, the EDU shall provide a written explanation within five business days from the denial. The EDU must allow the Applicant thirty business days to cure the reasons for denial while the Applicant's position in the queue is maintained.

The Feasibility Study

No later than five business days after the scoping meeting, the EDU shall provide the Applicant with a feasibility study agreement to determine the feasibility of interconnecting the Applicant's proposed distributed generation facility at a particular point on the EDU's system. The study shall include an outline of the scope of the study, a non-binding good faith estimate of the cost to perform the study and an analysis for the purpose of identifying a potential adverse system impact to the EDU's system that would result from the interconnection. The analysis shall include:

- 1. Initial identification of any circuit breaker short circuit capability limits exceeded as a result of the interconnection.
- 2. Initial identification of any thermal overload or voltage limit violations resulting from the interconnection.
- 3. Initial review of grounding requirements and system protection.
- 4. A description and nonbinding estimated cost of facilities required to interconnect the distributed generation facility to the EDU's system in a safe and reliable manner.

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When an Applicant requests that the feasibility study evaluate multiple potential points of interconnection, additional evaluations may be required. The actual cost of the Company's additional evaluations shall be paid by the Applicant.

The System Impact Study

No later than five business days after the completion of or a waiver of the feasibility study, the EDU shall provide a distribution system impact study agreement to the Applicant that includes an outline of the scope of the study and a nonbinding good faith estimate of the cost to perform the study.

If the feasibility study concludes there is no adverse system impact, or the study identifies an adverse system impact but the EDU is able to identify a remedy, no system impact study is required.

A system impact study shall evaluate the impact of the proposed interconnection on the safety and reliability of the EDU's system. The study shall:

1. Identify and detail the system impacts that result when a distributed generation facility is interconnected without project or system modifications.
2. Consider the adverse system impacts identified in the feasibility study, or potential impacts including those identified in the scoping meeting.
3. Consider all generating facilities that, on the date the system impact study is commenced, are directly interconnected with the EDU's system.
4. Consider pending higher queue position of facilities requesting interconnection to the system, or consider pending higher queue position of facilities requesting interconnection having a signed interconnection agreement.

A system impact study shall consider the following criteria:

1. A load flow study.
2. A short circuit analysis.
3. A stability analysis.
4. Voltage drop and flicker studies.
5. Protection and set point coordination studies.
6. Grounding reviews.

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The EDU shall state the underlying assumptions of the study and show the results of the analyses to the Applicant, including the following:

1. Any potential impediments to providing the requested interconnection service.
2. Any required distribution system upgrades and provide a nonbinding good faith estimate of cost and time to construct the system upgrades.

The Facilities Study

Within five business days of completion of the system impact study, the EDU will send a report to the Applicant with a facilities study agreement. When the parties agree at the scoping meeting that no system impact study is required, the EDU shall provide to the Applicant, no later than five business days after the scoping meeting, a facilities study agreement that enables the EDU to determine the interconnection facilities needed to interconnect the Applicant's proposed distributed generation facility at a particular point on the EDU's system.

The facilities study agreement shall include both of the following:

1. An outline of the scope of the study.
2. A nonbinding good faith estimate of the cost to perform the study to cover the cost of the equipment, engineering, procurement and construction work, including overheads, needed to implement the conclusions of the feasibility study and/or the system impact study to interconnect the distributed generation facility.

The facilities study shall identify all of the following:

1. The electrical switching configuration of the equipment, including transformer, switchgear, meters, and other station equipment.
2. The nature and estimated cost of the EDU's interconnection facilities and distribution upgrades necessary to accomplish the interconnection.
3. An estimate of the time required to complete the construction and installation of such facilities.

The parties may agree to permit an Applicant to separately arrange for a third party to design and construct the required interconnection facilities under the following conditions:

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1. The EDU may review the facilities to be designed and constructed by a third party under provisions included in the facilities study agreement of that purpose.
2. The Applicant and the third party separately arranging for design and construction agree to comply with security and confidentiality requirements.
3. The Company shall provide the Applicant with all relevant information and required specifications available to permit the Applicant to obtain an independent design and cost estimate for the facilities, which must be built in accordance with the specifications.

CONSTRUCTION OR SYSTEM UPGRADES

For those Applications that require construction or system upgrades of the Company's Distribution System, the Company shall provide the Applicant with an estimate of the timetable and the Applicant's cost of the construction or system upgrades. All construction or distribution system upgrade costs shall be the responsibility of the interconnection applicant. If the Applicant desires to proceed with the construction or system upgrades, the Applicant and the Company shall enter into a contract for the completion of the construction or system upgrades. All construction and system upgrade cost estimates and invoices shall be itemized and clearly explained. Interconnection service shall take place no later than two weeks following completion of such construction system upgrades.

METERING:

Any metering installation, testing, or recalibration required by the installation of the Interconnection Service Customer's distributed generation equipment shall be provided consistent with the Electric Service and Safety Standards pursuant to Ohio Revised Code Chapter 4928, and specifically O.A.C. § 4901:1-10-05 (Metering) and, as applicable, § 4901:1-10-28 (C) (Net Metering). Interconnection requested by the applicant for the purposes of net metering must follow the Commission's net metering rules promulgated pursuant to division (A)(31) of section 4928.01 of the Revised Code. Any exception to the net metering rules shall be implemented in accordance with any special metering or communication infrastructure ordered by the commission.

LIABILITY INSURANCE:

Prior to any Interconnection with the Company, the Interconnection Service Customer must provide the Company with proof of insurance or other suitable financial instrument sufficient to meet its construction, operating and liability responsibilities pursuant to this Tariff Sheet. At no time shall the Company require that the Applicant negotiate any policy or renewal of any policy covering any liability through a particular insurance company, agent, solicitor, or broker.

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P.U.C.O. No. 17
ELECTRIC DISTRIBUTION SERVICE
INTERCONNECTION SERVICE

TERMINATION RIGHTS

An interconnection agreement becomes effective when executed by both parties and shall continue in force until terminated under any of the following conditions:

1. The Applicant terminates the interconnection agreement at any time by giving the EDU sixty calendar days prior notice.
2. The EDU terminates the interconnection agreement upon failure of the applicant to generate energy from the Applicant's facility in parallel with the EDU's system by the later of two years from the date of the executed interconnection agreement or twelve months after completion of the interconnection.
3. Either party terminates by giving the other party at least sixty calendar days prior written notice that the other party is in default of any of the material terms and conditions of the interconnection agreement, so long as the notice specifies the basis for the termination and there is reasonable opportunity to cure the default.

Upon termination of an interconnection agreement, the Applicant's facilities will be disconnected from the EDU's system. The termination of the interconnection agreement shall not relieve either party of its liabilities and obligations, owed or continuing at the time of the termination.

RULES AND REGULATIONS:

All electric service of the Company is rendered under and subject to the Rules and Regulations contained within this Schedule and any terms and conditions set forth in any Agreement between the Company and the customer.

Filed pursuant to the Finding and Order in Case No. 12-2051-EL-ORD dated December 4, 2013 of the Public Utilities Commission of Ohio.

Issued July 10, 2014

Issued by
DEREK A. PORTER, President

Effective July 10, 2014

Exhibit C-3

Exhibit C-3

This application for approval of DP&L Tariff Sheet No. D35 seeks to modify the existing Tariff in accordance with the Commission's review of Chapter 4901:1-22 of the Ohio Administrative Code, and the resulting amended rules from the Finding and Order in Case 12-2051-EL-ORD dated December 4, 2013.

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in

Case No(s). 14-1181-EL-ATA, 89-6004-EL-TRF

Summary: Application to modify PUCO No. 17 Electric Distribution Service Sheet No. D35, Interconnection Service, electronically filed by Eric R Brown on behalf of The Dayton Power and Light Company