Inflow-Outflow DG Billing

Rate Code IO

General:
Company shall credit kilowatt-hour (kWh) energy from a Customer with an Eligible Distributed Generation Facility on a 15-minute interval basis, subject to the terms and conditions set forth below.

Eligibility:
This rate schedule is available to Residential, Non-Residential General Service, Large General Service, and Large General Service – Supplementary Power Customers with an Eligible Distributed Generation Facility. An Eligible Distributed Generation Facility means an “alternate energy production facility” or a “small hydro facility” as defined in Iowa Code section 476.42 which meets all of the following requirements:

(1) The facility is located behind the electric meter serving the Customer.
(2) The facility is interconnected to the Company’s distribution system.
(3) The facility has an aggregate nameplate capacity less than or equal to one megawatt alternating current.
(4) The facility has a capability to produce no more than one hundred ten percent of Customer’s annual electricity usage.
(5) The facility’s generating capacity and associated energy is intended to serve only the on-site electric requirements of Customer.

A Customer with an Eligible Distributed Generation Facility that has a capability to produce more than 110 percent of their usage or is over 1 MW may utilize this Inflow/Outflow Billing tariff for up to 110 percent of their usage, not to exceed 1 MW of design capacity of the Eligible Distributed Generation Facility. The Customer may request for the undesignated balance of the Eligible Distributed Generation Facility’s energy to be purchased by the Company at the avoided cost rates in Company’s Cogeneration and Small Power Production (Rate Code CSPP) for “as available” CSPP rate, for those facilities 100 kW or less; for facilities greater than 100 kW, the purchase rate shall be at prices negotiated between Company and the Customer not to exceed Company’s avoided cost.

Billing and Payment:
A Customer taking service under this Inflow-Outflow DG Billing tariff shall be responsible for payment of all applicable charges, including applicable rider charges, pursuant to the applicable rate schedule for which the Customer qualifies. Company shall bill the Customer the applicable charges referenced in the preceding sentence for all net power flows delivered by Company to the Customer during each 15-minute interval period.

Company shall provide a credit expressed in dollars to a Customer taking service under this Inflow-Outflow DG Billing tariff for all net power flows provided by the Customer to Company during each 15-minute period at the Outflow Purchase Rate. The Outflow Purchase Rate shall equal the retail volumetric rate, including applicable volumetric rider charges, billed on a kWh basis in the applicable rate schedule for which the Customer qualifies. The credits may only be used by the Customer to offset applicable volumetric charges, including applicable rider charges, billed on a kWh basis. For a Customer with an Eligible Distributed Generation Facility design capacity that exceeds 110 percent of their usage, the credit shall be a prorated amount, calculated by applying the total energy outflow for all net power flows to a ratio of: 110 percent of the Customer’s annual energy usage to the aggregate nameplate capacity’s expected annual energy output at the location. For a Customer with an Eligible Distributed Generation Facility design capacity that exceeds 1 MW, the credit shall be a prorated amount, calculated by applying a ratio of: 1 MW to the aggregate nameplate capacity at the location.

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If the credits in a billing month exceed the applicable volumetric charges, including applicable volumetric rider charges, billed on a kWh basis the excess credits shall be carried over to the subsequent billing month; with carry-over credits offsetting any applicable volumetric charges in the next billing month before applying any current month credits. Any balance of excess credits remaining at the end of an annual period or upon termination of service shall be forfeited by the Customer. The annual period shall be the period of twelve (12) consecutive monthly billing periods. The initial annual period begins when the Customer commences service under this tariff and may include fewer than twelve (12) consecutive monthly billing periods. The Customer shall choose either a January or April date at the time of interconnection for purposes of determining the annual period. At no time shall the Company be required to convert the credits to cash. The credits are a purchased power expense in the Energy Adjustment Clause; and any excess credits forfeited by the Customer will serve to reduce purchased power expense.

The Company shall own and have title to the renewable energy attributes, renewable energy credits, and greenhouse gas emission credits related to all outflow credits.

Billing by Company shall be rendered monthly. The term “monthly” for billing purposes hereunder shall mean the period between any two (2) consecutive regular readings by the Company for the meter(s) at the Facility, such readings to be taken as nearly as may be practicable every thirty (30) days. The billings shall be calculated using the applicable rate(s).

Bills are due within twenty (20) days from the date the bill is rendered to the Customer. Bills not paid within the twenty (20) day period will be assessed a late payment charge. The late payment charge is equal to one and one-half percent (1.5%) per month of the past due amount.

Metering Equipment:
Company will install and provide standard metering equipment at the point of service capable of measuring net power flows in each direction on a 15-minute basis. The Customer will not incur any additional charges for metering beyond the charges for metering provided in the Customer’s applicable rate schedule.

At its discretion, Company may install on Customer's property, research metering equipment that is not required for billing purposes. Customer shall incur no costs for any research metering unless Customer desires additional metering data, in which case, Customer shall pay the appropriate excess facilities and data handling charges.

Transfer from other Rate Schedules:
Customers currently receiving service under Alternative Energy & Small Hydro Production tariff or the Net Metering Pilot-Renewable Energy Facilities tariff with an Eligible Distributed Generation Facility may continue to receive electric service under those tariffs or may take service under this Inflow-Outflow DG Billing tariff. If an existing Customer receiving service under the Alternative Energy & Small Hydro Production tariff or the Net Metering Pilot-Renewable Energy Facilities tariff chooses to take service under this Inflow-Outflow DG Billing tariff:

1. The Customer cannot return the Alternative Energy & Small Hydro Production tariff or the Net Metering Pilot-Renewable Energy Facilities tariff at a later date;

2. The Customer will be transferred to this Inflow-Outflow DG Billing tariff starting on the first full billing cycle that begins at least 15 days after the request to transfer is received; and

3. The Customer cannot carry over any credits from the Alternative Energy & Small Hydro Production tariff or the Net Metering Pilot-Renewable Energy Facilities tariff. Any banked kWh credits acquired while on the Alternative Energy & Small Hydro Production tariff or the Net Metering Pilot-Renewable Energy Facilities tariff will be addressed as stated in the applicable tariffs.

Terms and Conditions:

1. Customer may be served from a distribution transformer which serves no other Customer.

2. A Customer with an Eligible Distributed Generation Facility shall comply with the interconnection requirements in Section 16 of IPL's Rules and Regulations.

3. Customer shall pay all costs of interconnecting a facility to IPL's system, as specified in IPL's interconnection policy and contract with the Customer. The proposed interconnection facilities shall be located so as to not interfere with the Company's present or proposed distribution system facilities or operation.

4. No modification to facilities already approved by the Company shall be made without further Company approval of such proposed revisions.

5. The generating capacity and associated energy of the Customer's distributed generation facility shall be intended to serve only the on-site electric requirements of the customer. If the generating capacity and associated energy is used to serve, or is intended to serve, an energy usage other than the on-site electric requirements of Customer, then Customer shall be removed from this Inflow-Outflow DG Billing tariff.

6. Company will estimate the expected annual output of the Eligible Distributed Generation Facility using the National Renewable Energy Laboratory's (NREL) PVWatts Calculator, or the following calculation for non-photovoltaic facilities:

   ((8760 X Nameplate kWac) X *Capacity Factor) = Estimated Annual Production

   *Annual average Capacity Factor using EIA Table 6.07.B. Capacity Factors for Utility Scale Generators Primarily Using Non-Fossil Fuels: https://www.eia.gov/electricity/monthly/

7. For Customers taking service under the Inflow-Outflow DG Billing tariff, Company shall use the most recent three-year average annual usage before DG installation at the Customer's property to determine if the expected annual output of the Eligible Distributed Generation Facility is capable of producing greater than 110 percent of the Customer's annual electricity usage. If, at minimum, twelve months of usage is not available for the property, Company shall request from the Customer estimated annual energy usage and/or use estimates based on a comparable customer's average annual kWh energy usage in the determination of a Customer's annual electricity usage.

8. Customer shall indemnify IPL against all liability which may result from any and all claims for damages to property and injury or death to persons which may arise out of or be caused by the erection, maintenance, presence, or operation of the private generation facility or by any related act or omission of the Customer, its employees, agents, contractors or subcontractors.

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9. This Inflow-Outflow DG Billing tariff shall not be based on a Customer's peak demand.

10. This Inflow-Outflow DG Billing tariff shall not include any fees or charges that are not charged to Customers in the same type or rate class that are not taking service under this Inflow-Outflow DG Billing tariff.

11. A Customer with an Eligible Distributed Generation Facility shall be eligible for this Inflow-Outflow DG Billing tariff at the time of installation and for twenty years of operation thereafter. If a new Customer takes service at a property with an Eligible Distributed Generation Facility, the new Customer is eligible to take service on this Inflow-Outflow DG Billing tariff until the Eligible Distributed Generation Facility has been in place for twenty years of operation. The Outflow Purchase Rate for an Eligible Distributed Generation Facility will continue to be the applicable retail volumetric rate for a term of twenty years.

12. Company shall not be required to combine consumption of electric service supplied through multiple meters at the same or different geographic locations for purposes of billing under this Inflow-Outflow DG Billing tariff.