

Distributed Generation Interconnection

APPROVED BY SUA BOARD OF TRUSTEES ON APRIL 16, 2018

PURPOSE: The purpose of Stillwater's Distributed Generation (DG) Interconnection Agreement is to provide a standardized method for City of Stillwater electric customers owning small scale generating facilities that utilize renewable resources such as wind or solar to operate these facilities in parallel with the City's electric system and potentially receive a credit for the portion of the excess energy produced back to the City of Stillwater.

AVAILABILITY: The DG Rate is applicable to customers who intend to own and operate on-site inverter-based electric generating facility using fuels derived from biomass, waste, or other renewable sources, including wind, solar, or water energy to produce electricity.**

GENERATING FACILITY REQUIREMENTS:

- Complete application for interconnecting a electric generating facility
- Utilize UL1741 listed or IEEE 1547 compliant inverter system
- Provide accessible disconnecting means for utility personnel
- Install 2 sets of meters. One measures customer's consumption and the other one measures customer's generation.
- Comply with the current City of Stillwater Land Development Code
- Obtain applicable City of Stillwater permits/inspections
- Provide an Electric Single-Line Diagram, facility plan view, and equipment catalog information with your DG Interconnection Application.
- Execute Distributed Generation Interconnection Agreement

UTILITY'S COST TO CUSTOMER:

- Non-refundable processing fee of \$125
- Customer is responsible for the costs of the meters supplied by the utility, currently \$160.
- For installations over 100 kW, the utility requires a study. The Customer is responsible for the costs of this study.

GENERATION CREDIT:

- Rate approximates utility's avoided cost for wholesale energy
- Credit for energy generated by customer applied on customer's utility bill
- Credit is limited to the customer's maximum energy usage during any billing period from the previous calendar year.

DEFINITIONS:

- **INTERCONNECTION:** A physical connection between a qualifying generating facility and an electric utility distribution system. Customer's equipment must meet national standards to insure protection of each party's facilities and personnel safety. Typically allowed only by written agreement between the parties.
- **DISTRIBUTED GENERATION:** A variety of technologies that generate electricity at or near where it will be used, such as solar panels and combined heat and power. May serve a single structure, such as a home or business. When connected to the electric utility's lower voltage distribution lines, distributed generation can help support delivery of clean, reliable power to additional customers and reduce electricity losses along transmission and distribution lines.

*** - Commonly available back-up generators operating on fossil fuels do meet the renewable or interconnection criteria of the Distributed Generation Interconnection Agreement and are not eligible for parallel operation with the City of Stillwater's electric distribution system.*

Distributed Generation... ...At a Glance

Availability:

All areas served by Stillwater Electric Utility. Residential or Commercial customers.

Generating Facilities:

On-site generation. Must use Renewable Energy such as: Wind, Solar, Water Biomass, or Waste

Benefits:

Encourages customer-owned small-scale renewable projects. Makes it simpler for City to accommodate these small-scale renewable projects. Compliments renewable incentives offered by State and Federal governments. Environmentally friendly.

