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DATE: January 25, 2022

TO: Rolla Board of Public Works

cc: Rodney Bourne, General Manager; Chad Davis, Operations Manager

FROM: Dale Brown, Engineer 1

SUBJECT: Annual Report for Net Metering

In accordance with RSMo 386.890 Rolla Municipal Utilities is required to notify customers of the availability of a Net Metering program for qualifying renewable energy sources. RMU's General Rules and Regulations include Section XI. Net Meter Service. This information is available to customers on RMU's website (www.rollamunicipalutilities.org/wp-content/uploads/2018/10/181001_GenRR.pdf) or customers can contact RMU staff for information.

To qualify as a net metering installation the following must be true.

1. Customer-generator: The owner or operator of a qualified electric generation unit which:
 - a. Is powered by a renewable energy source.
 - b. Has an electrical generating system with a capacity of not more than one hundred kilowatts.
 - c. Is located on a premises owned, operated, leased, or otherwise controlled by the customer-generator.
 - d. Is interconnected and operates in parallel phase and synchronization with RMU's electrical distribution system and has been approved by RMU.
 - e. Is intended primarily to offset all or part of the customer-generator's own electricity requirements.
 - f. Meets all safety, performance, interconnection, and reliability standards established by the National Electric Code, the National Electric Safety Code, the Institute of Electrical and Electronics Engineers, Underwriter's Laboratories, the Federal Energy Regulatory Commission, and any local governing authorities.
 - g. Contains a mechanism that automatically disables the unit and interrupts the flow of electricity back into RMU's electricity lines in the event that service to the customer-generator is interrupted.

RMU is also required to report the following data annually as per RSMO 386.890:

1. Total number of customer-generators (as of December 31, 2021): 9
2. Total estimated generating capacity of customer-generators (as of December 31, 2021): 86.97kW
3. Total estimated net kilowatt-hours received from customer-generators (all of 2021): 44,184 kWh

RSMO 386.890 also details the capacity of net metering facilities that RMU is mandated to accept. If the installation complies with standards, RMU must allow customer-generators up to the following amounts:

1. The total rated generating capacity of net metering systems meets 5% OF RMU's single-hour peak load during the previous year. RMU's peak demand in 2021 was 74,202 kW, therefore the installed capacity is about 0.12% of RMU's peak demand from the prior year.
2. Additional installations in a single year with a total rated capacity of up to 1% of the single-hour peak demand for the prior year.