

MVEC Energy Bill Comparison Before and After Onsite Generation

This document illustrates a comparison of power usage for distributed generation that members have installed (most commonly solar) at their properties - before and after the system is activated. For this example, MVEC examined recent onsite generation projects that have been operating for at least one year where the member also had usage from the year previous to the installation.

First, some parameters of what the review included: Of the 14 members who installed distributed generation, the average size of the system was 9.05 kW, with the largest system generating 34.2 kW and the smallest generating 2.8 kW. Only one installation included any battery storage capacity.

The average bill before the distributed generation was \$166.54 per month. Average usage before the installation was 1,528 kWh per month.

For the year following the completion of a distributed generation project, the average bill was \$137.80 and the average usage was 1,131 kWh. It should be qualified that the member's load may have changed during this time.

The average reduction in the MVEC bill was \$28.71 per month or, approximately 17%, which included credits for excess generation. Usage in kWh dropped an average of 26%. For every kW of installed distributed generation, the electric bill decreased \$3.17. MVEC encourages members to ensure they have a clear understanding of the expected bill reduction in dollars as they review a project with a distributed generation provider.

If you are considering some type of onsite generation, MVEC has several resources to assist in your decision-making process at www.mvec.coop/site-generation.

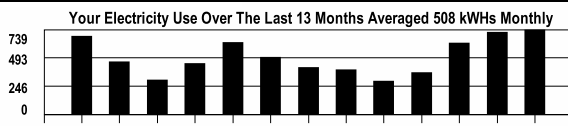
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www.mvec.coop



Office Hours:
Monday - Friday
7:30a.m. - 4:00p.m.
After Hours Call Center
Outage Reporting
800-582-8998

Account Number	Account Name		Service Address		Meter No.	Bill Date															
00000000	SAMPLE		ADDRESS		00000000	09/11/23															
Meter Reading		Mult	KWH Usage	Read Type	Read Type 2 = AMI Read 3 = Cooperative Read 8 = Estimate	Charges															
Previous	Present																				
21415	21652	1	237	2	X 0.16 ON PEAK	\$37.92															
54757	55259		502		X 0.08 OFF PEAK	\$40.16															
POWER COST ADJUSTMENT			739		X 0.00067	\$0.50															
BASIC SERVICE CHARGE						\$39.50															
DISTRIBUTED GEN @ \$0.03787/kWh						-\$23.18															
OPTION TAX						\$1.18															
CURRENT ELECTRIC CHARGES						\$96.08															
						\$96.08															
						<table border="1"> <thead> <tr> <th>Cycle</th> <th colspan="2">Total Due Now</th> </tr> </thead> <tbody> <tr> <td>203</td> <td>Due Date</td> <td>10/01/23</td> </tr> <tr> <td></td> <td colspan="2">Bill Is Delinquent After Due Date</td> </tr> <tr> <td></td> <td>Rate</td> <td>After Due Date Pay</td> </tr> <tr> <td>101</td> <td></td> <td>\$96.08</td> </tr> </tbody> </table>	Cycle	Total Due Now		203	Due Date	10/01/23		Bill Is Delinquent After Due Date			Rate	After Due Date Pay	101		\$96.08
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KWH



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