

Grand Rapids Public Utilities
Electric Service Billing Summary 2021 -Municipal rate

Unofficial billings

	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Total
Billing Units													
Demand (kW) (15 minute)	25,636	26,356	23,096	20,772	23,324	31,612	30,680	31,868	23,328	20,976			257,648
Coincident Peak (60 Minute) prior month	24,253	23,581	23,739	22,516	19,668	22,060	27,914	30,278	29,493	21,511			245,013
Energy (kWh)	14,643,440	14,049,560	12,777,080	11,519,360	11,660,800	13,964,280	14,577,280	14,363,280	11,954,200	12,060,640			131,569,920
Excess Reactive Kvar													
Billing month (days)	31	28	31	30	31	30	31	31	30	31			304
Load Factor (%)	76.8%	79.3%	74.4%	77.0%	67.2%	61.4%	63.9%	60.6%	71.2%	77.3%	4.2%	4.2%	
Demand Charge													
Service Charge	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00
Generation Capacity Charge	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10
Excess Reactive Demand chg	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
Generation Cap Charge less than 115 kV	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Charge													
All kWh (\$/kWh)	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075
Adjustment Charges													
Monthly Energy Adj (\$/kWh)													
Monthly Energy Tru Up (Prior Month)													
Resale Energy Adjustment	\$0.004072	\$0.006561	\$0.010299	\$0.004846	\$0.014646	\$0.006079	\$0.021098	\$0.013569	\$0.015724	\$0.020917	\$0.000000	\$0.000000	
MISO Charges (\$/kW)													
Sch 1 - Sched system control & dispatch	\$0.029	\$0.231	\$ 0.231	\$0.231	\$0.231	\$0.231	\$0.231	\$0.231	\$0.231	\$0.231	\$0.000	\$0.000	
Sch 7 - HVDC firm transmission charge	\$0.655	\$0.642	\$ 0.554	\$0.654	\$0.689	\$0.706	\$0.626	\$0.621	\$0.636	\$0.686	\$0.000	\$0.000	
Sch 8 - HVDC non-firm transm charge	\$0.000	\$0.000	\$ 0.031	\$0.000	\$0.000	\$0.068	\$0.000	\$0.051	\$0.004	\$0.000	\$0.000	\$0.000	
Sch 9 - AC zonal transmission charge	\$3.905	\$4.555	\$ 4.555	\$4.555	\$4.555	\$4.555	\$4.555	\$4.555	\$4.555	\$4.555	\$0.000	\$0.000	
Sch 10 - AC administrative charge	\$0.172	\$0.153	\$ 0.124	\$0.174	\$0.164	\$0.163	\$0.138	\$0.111	\$0.136	\$0.146	\$0.000	\$0.000	
Sch 35 - HVDC administrative charge	\$0.021	\$0.018	\$ 0.014	\$0.021	\$0.023	\$0.019	\$0.016	\$0.011	\$0.014	\$0.018	\$0.000	\$0.000	
Sch 26 - Network upgrade / transm planning	\$0.807	\$0.980	\$ 0.980	\$0.980	\$0.980	\$0.980	\$0.980	\$0.980	\$0.980	\$0.980	\$0.000	\$0.000	
Sch 26A - Multi-value project cost recovery	\$1.221	\$1.251	\$ 1.139	\$1.266	\$1.170	\$1.245	\$1.156	\$1.397	\$1.187	\$1.189	\$0.000	\$0.000	
Sch 45 - NERC ALERT	\$0.437	\$0.456	\$ 0.397	\$0.457	\$0.454	\$0.483	\$0.439	\$0.447	\$0.441	\$0.425	\$0.000	\$0.000	
Sub total	\$7.247	\$8.286	\$8.025	\$8.338	\$8.266	\$8.450	\$8.141	\$8.404	\$8.184	\$8.230	\$0.000	\$0.000	
Ancillary- reactive supply,voltage control sch 2													
Regulation & Frequency schedule 3	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Operating reserve Schedule 5	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Operating Reserve Schedule 6	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Sub total	\$0.162	\$0.181	\$0.181	\$0.181	\$0.181	\$0.181	\$0.181	\$0.181	\$0.181	\$0.250	\$0.000	\$0.000	
Electric Service Billing													
Service Charge	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$0.00
Excess Reactive Demand Chg	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Demand charge	\$489,647.60	\$503,399.60	\$441,133.60	\$396,745.20	\$445,488.40	\$603,789.20	\$585,988.00	\$608,678.80	\$445,564.80	\$400,641.60	\$0.00	\$0.00	\$4,921,076.80
Total Demand Cost	\$490,822.60	\$504,574.60	\$442,308.60	\$397,920.20	\$446,663.40	\$604,964.20	\$587,163.00	\$609,853.80	\$446,739.80	\$401,816.60	\$1,175.00	\$1,175.00	\$4,921,076.80
Energy Cost													
Energy Cost	\$303,851.38	\$291,528.37	\$265,124.41	\$239,026.72	\$241,961.60	\$289,758.81	\$302,478.56	\$298,038.06	\$248,049.65	\$250,258.28	\$0.00	\$0.00	\$2,730,075.84
Total Energy Cost	\$303,851.38	\$291,528.37	\$265,124.41	\$239,026.72	\$241,961.60	\$289,758.81	\$302,478.56	\$298,038.06	\$248,049.65	\$250,258.28	\$0.00	\$0.00	\$2,730,075.84
MISO Charges													
Zonal Schedules 7-8-9	\$703.34	\$5,447.21	\$5,483.71	\$5,201.20	\$4,543.31	\$5,095.86	\$6,448.13	\$6,994.22	\$6,812.88	\$4,969.04	\$0.00	\$0.00	\$51,698.90
DC Schedule 7	\$15,885.72	\$15,139.00	\$13,151.41	\$14,725.46	\$13,551.25	\$15,574.36	\$17,474.16	\$18,802.64	\$18,757.55	\$14,756.55	\$0.00	\$0.00	\$157,818.10
DC Schedule 8	\$0.00	\$0.00	\$735.91	\$0.00	\$0.00	\$1,500.08	\$0.00	\$1,544.18	\$117.97	\$0.00	\$0.00	\$0.00	\$3,898.14
Scheduling, Control, dispatch schedule 1	\$94,707.97	\$107,411.46	\$108,131.15	\$102,560.38	\$89,587.74	\$100,483.30	\$127,148.27	\$137,916.29	\$134,340.62	\$97,982.61	\$0.00	\$0.00	\$1,100,269.79
Administrative schedule 10	\$4,171.52	\$3,607.89	\$2,943.64	\$3,917.78	\$3,225.55	\$3,595.78	\$3,852.13	\$3,360.86	\$4,011.05	\$3,140.61	\$0.00	\$0.00	\$35,826.81
DC Administrative Schedule 35	\$509.31	\$424.46	\$332.35	\$472.84	\$452.36	\$419.14	\$446.62	\$333.06	\$412.90	\$387.20	\$0.00	\$0.00	\$4,190.24
Transmission Schedule 26	\$19,572.17	\$23,109.38	\$23,264.22	\$22,065.68	\$19,274.64	\$21,618.80	\$27,355.72	\$29,672.44	\$28,903.14	\$21,080.78	\$0.00	\$0.00	\$235,916.97
MVP- Schedule 26A	\$29,612.91	\$29,499.83	\$27,038.72	\$28,505.26	\$23,011.56	\$27,464.70	\$32,268.58	\$42,298.37	\$35,008.19	\$25,576.58	\$0.00	\$0.00	\$300,284.70
NERC ALERT - Sch 45	\$10,598.56	\$10,752.94	\$9,424.38	\$10,289.81	\$8,929.27	\$10,654.98	\$12,254.25	\$13,534.25	\$13,006.41	\$9,142.18	\$0.00	\$0.00	\$108,587.03
Total MISO Cost	\$175,761.50	\$195,392.17	\$190,505.49	\$187,738.41	\$162,575.68	\$186,407.00	\$227,247.86	\$254,456.31	\$241,370.71	\$177,035.55	\$0.00	\$0.00	\$1,998,490.68
Ancillary Charges													
reactive supply,volt control sch 2	\$3,928.99	\$4,268.16	\$4,296.76	\$4,075.40	\$3,559.91	\$3,992.86	\$5,052.43	\$5,480.32	\$5,338.23	\$5,377.75	\$0.00	\$0.00	\$45,370.81
Regulation & Frequency schedule 3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operating reserve Schedule 5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operating Reserve Schedule 6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Ancillary Cost	\$3,928.99	\$4,268.16	\$4,296.76	\$4,075.40	\$3,559.91	\$3,992.86	\$5,052.43	\$5,480.32	\$5,338.23	\$5,377.75	\$0.00	\$0.00	\$45,370.81
Monthly Energy Adj (Budget)													
Monthly Energy Adj (Budget)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Monthly Energy Adj Tru-UP Prior month	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$219,070.77)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$219,070.77)
Resale Energy Adjustment	\$59,064.69	\$96,075.61	\$144,696.42	\$61,917.73	\$168,712.55	\$70,886.00	\$294,618.38	\$197,799.11	\$225,848.21	\$250,046.00	\$0.00	\$0.00	\$1,569,664.70
Total Monthly Energy Tru-Up Cost	\$59,064.69	\$96,075.61	\$144,696.42	\$61,917.73	\$168,712.55	\$70,886.00	\$75,547.61	\$197,799.11	\$225,848.21	\$250,046.00	\$0.00	\$0.00	\$1,350,593.93
Subtotal Electric Billing													
Subtotal Electric Billing	\$1,033,429.16	\$1,091,838.91	\$1,046,931.68	\$890,678.46	\$1,023,473.14	\$1,156,008.87	\$1,197,489.46	\$1,365,627.60	\$1,167,346.60	#####	\$1,175.00	\$1,175.00	\$11,059,708.06
Effective ELECT Rate (¢/kWh)	7.06	7.77	8.19	7.73	8.78	8.28	8.21	9.51	9.77	8.99	#DIV/0!	#DIV/0!	8.41