

SCHEDULE 1 – AVERAGE RETAIL UTILITY ENERGY RATE

Net Energy Billing: Available to any QF of less than 40 kW capacity that does not select either Roll Over Credits, Simultaneous Purchase and Sale Billing or Time of Day rates.

Lake City Utilities shall bill QF for any excess of energy supplied by Lake City Utilities above energy supplied by the QF during each billing period according to Lake City Utility's applicable rate schedule. Lake City Utilities shall pay the customer for the energy generated by the QF that exceeds that supplied by Lake City Utilities during a billing period at the "average retail utility energy rate." "Average retail utility energy rate" means, for any class of utility customer, the quotient of the total annual class revenue from sales of electricity minus the annual revenue resulting from fixed charges, divided by the annual class kilowatt-hour sales. Data from the most recent 12-month period available shall be used in the computation. The "average retail utility energy rates" are as follows:

Rate Class	Average Retail Energy Rate
Residential Urban	0.10862185
Residential Rural	0.097121141
Small Commercial Urban	0.106384273
Small Commercial Rural	0.089886066
Large Commercial	0.060841598
Small Industrial	0.059642054
Schools	0.057341658
Large Industrial	0.053566001

SCHEDULE 4 – AVERAGE INCREMENTAL COST

Estimated Marginal Energy Costs (\$/MWh)						
		2022	2023	2024	2025	2026
Summer	On Peak	44.87	37.74	38.48	36.08	35.93
	Off Peak	31.40	24.37	25.77	25.64	26.58
	All Hours	37.59	30.52	31.62	30.44	30.88
Winter	On Peak	56.22	43.99	42.68	42.67	42.19
	Off Peak	41.15	31.89	32.10	30.87	31.78
	All Hours	48.08	37.46	36.96	36.30	36.57
Annual	On Peak	50.54	40.87	40.58	39.37	39.06
	Off Peak	36.27	28.13	28.94	28.26	29.18
	All Hours	42.84	33.99	34.29	33.37	33.73
Annual # hours on-peak:						

Description of season and on-peak and off-peak periods	
Summer:	April through September
Winter:	October through March
On-peak period:	6 am to 10 pm Monday through Friday except holiday (New Years, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day)
Off-peak period:	All other hours

Estimated Marginal Energy Costs

The estimated system average incremental energy costs are calculated by seasonal peak and off-peak periods for each of the next five years. For each seasonal period, system incremental energy costs are averaged during system daily peak hours, system daily off-peak hours, and all hours in the season. The energy costs are increased by a factor equal to 50 percent of the line losses.

The energy needs of Lake City Utilities are served through its membership in Southern Minnesota Municipal Power Agency (SMMPA). SMMPA, in turn, is a member of the Midcontinent ISO (MISO). As a result, the municipal's incremental energy cost is equivalent to the MISO hourly Locational Marginal Price (LMP). Actual hourly LMP will vary significantly based on several parameters such as weather, energy demand, and generation availability. The table above represents a forecast of the MISO hourly LMP values averaged over each specific time period at the MISO Minnesota Hub.

Capacity Costs

SMMPA, Lake City Utilities wholesale supplier, has neither planned generating facility additions nor planned additional capacity purchases, other than from qualifying facilities, during the ensuing ten years, thus SMMPA and Lake City Utilities are deemed to have no avoidable capacity costs.