# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2025

		RES	SIDENTIA	<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		20.07	18.85	18.24	18.20	17.29	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY		24.82	23.05	22.16	21.69	20.40	24.24	20.66	19.00	13.15	11.71	10.95
DTE ELECTRIC		23.42	21.54	20.60	19.28	17.78	15.43	15.25	16.03	8.93	7.17	7.21
AEP (I&M) COMBINED		20.85	19.16	18.32	17.14	21.94	18.61	16.74	15.62	12.04	9.76	9.54
NORTHERN STATES POWER		17.98	16.01	15.02	14.53	13.29	15.17	13.76	12.91	12.95	12.87	12.86
UPPER PENINSULA POWER		31.15	27.97	26.39	29.56	27.54	20.71	18.78	17.63	13.26	11.20	9.51
UMERC (FORMERLY WEPCO)		19.07	17.17	16.22	17.56	15.89	15.64	15.60	13.01	10.54	10.09	8.28
UMERC (FORMERLY WPSC)		19.01	16.65	15.46	13.94	11.70	12.13	12.03	11.97	9.62	9.41	8.28
AVERAGE INVESTOR OWNED		22.05	20.05	19.05	18.99	18.23	17.47	16.09	15.09	11.64	10.17	9.47

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2025

		RES	SIDENTIA	<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		20.07	18.85	18.24	18.20	17.29	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY		22.73	20.96	20.07	19.64	18.35	19.00	16.65	15.72	12.19	10.77	10.05
DTE ELECTRIC		24.13	22.26	21.32	19.28	17.78	15.43	15.25	16.03	8.93	7.17	7.21
AEP (I&M) COMBINED		20.56	18.87	18.02	16.85	21.65	18.32	16.45	15.33	11.81	9.54	9.41
NORTHERN STATES POWER		17.98	16.01	15.02	14.53	13.29	15.17	13.76	12.91	12.95	12.87	12.86
UPPER PENINSULA POWER		31.15	27.97	26.39	29.56	27.54	20.71	18.78	17.63	13.26	11.20	9.51
UMERC (FORMERLY WEPCO)		20.67	18.71	17.73	19.11	17.38	17.12	17.08	14.50	12.02	11.57	9.76
UMERC (FORMERLY WPSC)		20.65	18.20	16.98	15.50	13.20	13.62	13.52	13.46	11.10	10.88	9.75
AVERAGE INVESTOR OWNED		22.24	20.23	19.22	19.08	18.31	17.15	15.92	15.01	11.86	10.39	9.71

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2025

		RES	SIDENTIA	<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
	kW kWh	<u>250</u>	500	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 21,600	100 28,800	100 36,000	1,000 432,000	10,000 4,320,000	50,000 21,600,000
INVESTOR OWNED		=33	<u> </u>	<u>.,,</u>	<u> </u>	<u>5,555</u>	<u>= 1,533</u>		30,000	<u></u>	<u>.,,==,,==</u>	<u>=:,,===,===</u>
ALPENA POWER		20.07	18.85	18.24	18.20	17.29	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY		22.26	20.49	19.60	19.18	17.88	18.54	16.18	15.26	11.73	10.31	9.59
DTE ELECTRIC		24.13	22.26	21.32	19.28	17.78	15.43	15.25	16.03	8.93	7.17	7.21
AEP (I&M) COMBINED		20.56	18.87	18.02	16.85	21.65	18.32	16.45	15.33	11.81	9.54	9.41
NORTHERN STATES POWER		18.93	16.99	16.00	15.48	14.24	16.12	14.71	13.86	13.90	13.82	13.82
UPPER PENINSULA POWER		31.15	27.97	26.39	29.56	27.54	20.71	18.78	17.63	13.26	11.20	9.51
UMERC (FORMERLY WEPCO)		20.54	18.65	17.70	19.04	17.37	17.11	17.07	14.48	12.02	11.56	9.76
UMERC (FORMERLY WPSC)		20.49	18.12	16.94	15.41	13.18	13.61	13.51	13.45	11.10	10.88	9.75
AVERAGE INVESTOR OWNED		22.27	20.27	19.28	19.13	18.37	17.20	15.98	15.07	11.92	10.46	9.78

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2025

		RES	SIDENTIA	<u>.L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		20.07	18.85	18.24	18.20	17.29	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY		21.75	19.98	19.09	18.85	17.55	17.69	15.48	14.63	11.84	10.47	9.74
DTE ELECTRIC		24.12	22.24	21.31	19.27	17.77	15.42	15.24	16.01	8.93	7.17	7.21
AEP (I&M) COMBINED		20.56	18.87	18.02	16.85	21.65	18.32	16.45	15.33	11.81	9.54	9.41
NORTHERN STATES POWER		18.96	16.99	16.00	15.51	14.27	16.15	14.74	13.89	13.93	13.85	13.84
UPPER PENINSULA POWER		31.15	27.97	26.39	29.56	27.54	20.71	18.78	17.63	13.26	11.20	9.51
UMERC (FORMERLY WEPCO)		20.67	18.71	17.73	19.11	17.38	17.12	17.08	14.50	12.02	11.57	9.76
UMERC (FORMERLY WPSC)		20.65	18.20	16.98	15.50	13.20	13.62	13.52	13.46	11.10	10.88	9.75
AVERAGE INVESTOR OWNED		22.24	20.23	19.22	19.11	18.33	17.10	15.89	15.00	11.94	10.48	9.80

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2025

		RES	SIDENTIA	<u>L</u>	SMALL COM	MERCIAL	LARG	E COMMER	CIAL		INDUSTRIAL	<u>.</u>
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		20.07	18.85	18.24	18.20	17.29	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY		21.52	19.77	18.90	18.63	17.37	17.52	15.31	14.47	11.68	10.32	9.59
DTE ELECTRIC		24.13	22.26	21.32	19.30	17.80	15.44	15.26	16.08	8.97	7.20	7.24
AEP (I&M) COMBINED		20.57	18.88	18.04	16.86	21.66	18.33	16.47	15.35	11.83	9.56	9.43
NORTHERN STATES POWER		18.96	16.99	16.00	15.51	14.27	16.15	14.74	13.89	13.93	13.85	13.84
UPPER PENINSULA POWER		31.15	27.97	26.39	29.56	27.54	20.71	18.78	17.63	13.26	11.20	9.51
UMERC (FORMERLY WEPCO)		20.84	18.88	17.91	19.28	17.55	17.29	17.25	14.67	12.20	11.74	9.93
UMERC (FORMERLY WPSC)		20.82	18.37	17.15	15.68	13.37	13.79	13.69	13.63	11.28	11.06	9.93
AVERAGE INVESTOR OWNED		22.26	20.25	19.24	19.13	18.36	17.13	15.92	15.03	11.97	10.51	9.83

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2025

		RES	BIDENTIA	<u>L</u>	SMALL COM	MERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	<b>:</b>
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	<u>2</u>	100 1,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED													
ALPENA POWER		20.07	18.85	18.24	18.20	17.29		17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY		21.61	19.84	18.95	18.71	17.41		17.56	15.35	14.50	11.72	10.36	9.62
DTE ELECTRIC		21.73	19.86	18.92	18.63	17.13		14.77	14.60	15.36	8.86	7.19	7.18
AEP (I&M) COMBINED		20.33	18.64	17.80	16.20	21.53		18.30	16.44	15.33	11.70	9.54	9.43
NORTHERN STATES POWER		18.96	16.99	16.00	15.51	14.27		16.15	14.74	13.89	13.93	13.85	13.84
UPPER PENINSULA POWER		31.15	27.97	26.39	29.56	27.54		20.71	18.78	17.63	13.26	11.20	9.51
UMERC (FORMERLY WEPCO)		20.84	18.88	17.91	19.28	17.55		17.29	17.25	14.67	12.20	11.74	9.93
UMERC (FORMERLY WPSC)		20.82	18.37	17.15	15.68	13.37		13.79	13.69	13.63	11.28	11.06	9.93
AVERAGE INVESTOR OWNED		21.94	19.92	18.92	18.97	18.26		17.05	15.84	14.94	11.94	10.51	9.82

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2024

		RES	BIDENTIA	<u>L</u>	SMALL COM	MERCIAL	<u>L/</u>	RGE	COMMER	CIAL		INDUSTRIAL	•
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000		100 600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED													
ALPENA POWER		20.39	19.16	18.55	18.51	17.61	1	8.11	16.17	14.86	12.93	9.48	9.47
CONSUMERS ENERGY		20.54	18.77	17.88	17.65	16.34	1	6.49	14.28	13.43	10.64	9.28	8.54
DTE ELECTRIC		21.64	19.76	18.83	18.56	17.06	1	4.72	14.54	15.30	8.84	7.19	7.18
AEP (I&M) COMBINED		20.14	18.45	17.61	16.01	21.34	1	8.11	16.25	15.14	11.51	9.35	9.24
NORTHERN STATES POWER		17.48	15.50	14.52	14.40	13.16	1	3.65	12.37	11.59	13.07	12.99	12.98
UPPER PENINSULA POWER		29.73	26.56	24.97	26.45	24.43	1	8.32	16.72	15.75	11.59	9.91	8.60
UMERC (FORMERLY WEPCO)		15.83	13.87	12.89	14.36	12.64	1	2.37	12.33	10.50	8.92	8.49	6.15
UMERC (FORMERLY WPSC)		15.66	13.26	12.06	11.02	8.75		9.30	9.20	9.14	7.68	7.26	6.68
AVERAGE INVESTOR OWNED		20.18	18.17	17.16	17.12	16.42	1	5.13	13.98	13.21	10.65	9.24	8.61

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2024

		RES	SIDENTIA	<u>.L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		20.39	19.16	18.55	18.51	17.61	18.11	16.17	14.86	12.93	9.48	9.47
CONSUMERS ENERGY		20.58	18.80	17.91	17.68	16.38	16.52	14.31	13.47	10.68	9.32	8.58
DTE ELECTRIC		21.74	19.87	18.93	18.64	17.14	14.80	14.62	15.37	8.90	7.25	7.24
AEP (I&M) COMBINED		20.14	18.45	17.61	16.01	21.34	18.11	16.25	15.14	11.51	9.35	9.24
NORTHERN STATES POWER		16.98	15.00	14.02	13.90	12.66	13.15	11.87	11.09	12.57	12.49	12.48
UPPER PENINSULA POWER		29.73	26.56	24.97	26.45	24.43	18.32	16.72	15.75	11.59	9.91	8.60
UMERC (FORMERLY WEPCO)		16.15	14.25	13.30	14.73	13.06	12.81	12.77	10.92	9.36	8.93	6.59
UMERC (FORMERLY WPSC)		16.24	13.84	12.64	11.58	9.32	9.87	9.77	9.71	8.26	7.83	7.26
AVERAGE INVESTOR OWNED		20.24	18.24	17.24	17.19	16.49	15.21	14.06	13.29	10.72	9.32	8.68

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2024

		RES	SIDENTIA	<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		20.39	19.16	18.55	18.51	17.61	18.11	16.17	14.86	12.93	9.48	9.47
CONSUMERS ENERGY		20.65	18.87	17.99	17.69	16.38	16.53	14.32	13.48	10.78	9.42	8.68
DTE ELECTRIC		22.62	20.74	19.81	19.51	18.02	15.67	15.50	16.24	9.78	8.13	8.12
AEP (I&M) COMBINED		20.14	18.45	17.61	16.01	21.34	18.11	16.25	15.14	11.51	9.35	9.24
NORTHERN STATES POWER		16.98	15.00	14.02	13.90	12.66	13.15	11.87	11.09	12.57	12.49	12.48
UPPER PENINSULA POWER		29.73	26.56	24.97	26.45	24.43	18.32	16.72	15.75	11.59	9.91	8.60
UMERC (FORMERLY WEPCO)		15.57	13.62	12.64	14.10	12.38	12.11	12.07	10.24	8.67	8.23	5.89
UMERC (FORMERLY WPSC)		15.64	13.24	12.04	10.99	8.73	9.28	9.18	9.12	7.66	7.23	6.66
AVERAGE INVESTOR OWNED		20.21	18.21	17.20	17.15	16.44	15.16	14.01	13.24	10.68	9.28	8.64

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2024

		RES	SIDENTIA	<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		20.39	19.16	18.55	18.51	17.61	18.11	16.17	14.86	12.93	9.48	9.47
CONSUMERS ENERGY		22.10	20.33	19.44	19.12	17.81	21.92	18.43	16.82	11.71	10.33	9.64
DTE ELECTRIC		23.33	21.46	20.52	19.51	18.02	15.67	15.50	16.24	9.78	8.13	8.12
AEP (I&M) COMBINED		20.14	18.45	17.61	16.01	21.34	18.11	16.25	15.14	11.51	9.35	9.24
NORTHERN STATES POWER		17.59	15.61	14.63	14.51	13.27	13.76	12.47	11.70	13.18	13.10	13.09
UPPER PENINSULA POWER		29.77	26.60	25.01	26.76	24.50	18.46	16.82	15.83	11.65	9.91	8.60
UMERC (FORMERLY WEPCO)		16.10	14.20	13.25	14.68	13.01	12.76	12.72	10.87	9.31	8.88	6.54
UMERC (FORMERLY WPSC)		16.04	13.64	12.44	11.38	9.12	9.67	9.57	9.51	8.06	7.63	7.06
AVERAGE INVESTOR OWNED		20.68	18.68	17.68	17.56	16.83	16.06	14.74	13.87	11.02	9.60	8.97

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2024

		RES	SIDENTIA	<u>.L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21.600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		20.39	19.16	18.55	18.51	17.61	18.11	16.17	14.86	12.93	10.00	9.98
CONSUMERS ENERGY		22.68	20.90	20.01	19.70	18.39	22.49	19.00	17.39	12.28	10.90	10.21
DTE ELECTRIC		23.34	21.46	20.52	19.51	18.02	15.67	15.50	16.24	9.78	8.13	8.12
AEP (I&M) COMBINED		21.10	19.41	18.57	16.97	22.30	19.07	17.21	16.10	12.47	10.31	10.20
NORTHERN STATES POWER		17.68	15.70	14.72	14.68	13.30	13.85	12.54	11.76	13.21	13.10	13.09
UPPER PENINSULA POWER		29.78	26.60	25.01	26.76	24.50	18.46	16.82	15.83	11.65	9.91	8.60
UMERC (FORMERLY WEPCO)		16.50	14.54	13.56	14.99	13.32	13.07	13.03	11.14	9.62	9.19	6.85
UMERC (FORMERLY WPSC)		16.30	13.90	12.70	11.65	9.42	9.95	9.86	9.80	8.36	7.93	7.35
AVERAGE INVESTOR OWNED		20.97	18.96	17.95	17.85	17.11	16.34	15.02	14.14	11.29	9.94	9.30

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2024

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4.320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		17.94	16.76	16.18	16.27	15.41	15.53	14.06	13.04	12.14	9.01	9.14
CONSUMERS ENERGY		22.43	20.65	19.77	19.55	18.24	22.35	18.86	17.24	12.20	10.82	10.13
DTE ELECTRIC		23.34	21.46	20.52	19.51	18.02	15.67	15.50	16.24	9.78	8.13	8.12
AEP (I&M) COMBINED		19.35	17.72	16.91	14.66	19.25	16.90	15.32	14.37	11.51	9.92	9.72
NORTHERN STATES POWER		17.68	15.70	14.72	14.68	13.30	13.85	12.54	11.76	13.21	13.10	13.09
UPPER PENINSULA POWER		29.78	26.60	25.01	26.76	24.50	18.46	16.82	15.83	11.65	9.91	8.60
UMERC (FORMERLY WEPCO)		16.71	14.75	13.77	15.21	13.54	13.29	13.24	11.36	9.84	9.41	7.07
UMERC (FORMERLY WPSC)		16.49	14.09	12.89	11.84	9.61	10.14	10.05	9.99	8.55	8.12	7.54
AVERAGE INVESTOR OWNED		20.46	18.47	17.47	17.31	16.48	15.77	14.55	13.73	11.11	9.80	9.18

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2024

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		17.94	16.76	16.18	16.27	15.41	15.53	14.06	13.04	12.14	9.01	9.14
CONSUMERS ENERGY		22.33	20.56	19.67	19.40	18.09	22.20	18.71	17.10	12.02	10.64	9.95
DTE ELECTRIC		23.41	21.50	20.54	19.64	18.04	15.68	15.50	16.25	9.81	8.13	8.12
AEP (I&M) COMBINED		19.35	17.72	16.91	14.66	19.25	16.90	15.32	14.37	11.51	9.92	9.72
NORTHERN STATES POWER		17.68	15.70	14.72	14.68	13.30	13.85	12.54	11.76	13.21	13.10	13.09
UPPER PENINSULA POWER		29.78	26.60	25.01	26.76	24.50	18.46	16.82	15.83	11.65	9.91	8.60
UMERC (FORMERLY WEPCO)		16.93	15.04	14.09	15.49	13.87	13.63	13.59	11.69	10.18	9.76	7.42
UMERC (FORMERLY WPSC)		16.84	14.44	13.24	12.18	9.96	10.49	10.39	10.34	8.90	8.47	7.89
AVERAGE INVESTOR OWNED		20.53	18.54	17.54	17.39	16.55	15.84	14.62	13.80	11.18	9.87	9.24

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2024

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5.000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36.000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		17.94	16.76	16.18	16.27	15.41	15.53	14.06	13.04	12.14	9.01	9.14
CONSUMERS ENERGY		20.88	19.11	18.22	17.98	16.67	16.81	14.60	13.76	11.10	9.74	9.09
DTE ELECTRIC		22.62	20.74	19.81	19.51	18.02	15.67	15.50	16.24	9.78	8.13	8.12
AEP (I&M) COMBINED		19.35	17.72	16.91	14.66	19.25	16.90	15.32	14.37	11.51	9.92	9.72
NORTHERN STATES POWER		17.68	15.70	14.72	14.68	13.30	13.85	12.54	11.76	13.21	13.10	13.09
UPPER PENINSULA POWER		29.78	26.60	25.01	26.76	24.50	18.46	16.82	15.83	11.65	9.91	8.60
UMERC (FORMERLY WEPCO)		17.49	15.53	14.55	15.98	14.31	14.06	14.02	12.13	10.61	10.18	7.84
UMERC (FORMERLY WPSC)		17.29	14.89	13.69	12.65	10.41	10.95	10.85	10.80	9.35	8.93	8.35
AVERAGE INVESTOR OWNED		20.38	18.38	17.39	17.31	16.48	15.28	14.21	13.49	11.17	9.86	9.24

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2024

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5.000	100 <u>21,600</u>	100 <u>28,800</u>	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		17.94	16.76	16.18	16.27	15.41	15.53	14.06	13.04	12.14	9.01	9.14
CONSUMERS ENERGY		20.81	19.04	18.15	17.91	16.60	16.74	14.53	13.69	11.03	9.67	9.02
DTE ELECTRIC		22.62	20.74	19.81	19.51	18.02	15.67	15.50	16.24	9.78	8.13	8.12
AEP (I&M) COMBINED		19.35	17.72	16.91	14.66	19.25	16.90	15.32	14.37	11.51	9.92	9.72
NORTHERN STATES POWER		17.64	15.70	14.72	14.64	13.26	13.80	12.50	11.71	13.17	13.06	13.05
UPPER PENINSULA POWER		29.78	26.60	25.01	26.76	24.50	18.46	16.82	15.83	11.65	9.91	8.60
UMERC (FORMERLY WEPCO)		17.66	15.76	14.82	16.21	14.60	14.36	14.32	12.42	10.91	10.48	8.14
UMERC (FORMERLY WPSC)		17.67	15.27	14.07	13.02	10.79	11.32	11.23	11.18	9.73	9.31	8.73
AVERAGE INVESTOR OWNED		20.43	18.45	17.46	17.37	16.55	15.35	14.28	13.56	11.24	9.94	9.31

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2024

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		17.94	16.76	16.18	16.27	15.41	15.53	14.06	13.04	12.14	9.01	9.14
CONSUMERS ENERGY		20.60	18.83	17.94	16.97	15.66	16.59	14.24	13.32	11.37	10.04	9.47
DTE ELECTRIC		22.62	20.75	19.81	19.51	18.01	15.67	15.50	16.25	9.78	8.12	8.12
AEP (I&M) COMBINED		19.35	17.72	16.91	14.66	19.25	16.90	15.32	14.37	11.51	9.92	9.72
NORTHERN STATES POWER		17.68	15.70	14.72	14.68	13.30	13.85	12.54	11.76	13.38	13.27	13.26
UPPER PENINSULA POWER		29.78	26.60	25.01	26.76	24.50	18.46	16.82	15.83	11.65	9.91	8.60
UMERC (FORMERLY WEPCO)		18.29	16.33	15.35	16.79	15.12	14.87	14.82	12.94	11.42	10.99	8.65
UMERC (FORMERLY WPSC)		18.19	15.79	14.59	13.54	11.30	11.84	11.75	11.69	10.24	9.82	9.24
AVERAGE INVESTOR OWNED		20.56	18.56	17.56	17.40	16.57	15.46	14.38	13.65	11.44	10.13	9.52

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2024

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		17.94	16.76	16.18	16.27	15.41	15.53	14.06	13.04	12.14	9.01	9.14
CONSUMERS ENERGY		20.80	19.03	18.14	17.09	15.69	16.65	14.31	13.36	11.44	10.12	9.55
DTE ELECTRIC		22.77	20.89	19.96	19.66	18.16	15.82	15.64	16.39	9.92	8.27	8.26
AEP (I&M) COMBINED		19.12	17.49	16.68	13.76	19.07	16.86	15.29	14.35	11.34	9.90	9.72
NORTHERN STATES POWER		17.68	15.70	14.72	14.68	13.30	13.85	12.54	11.76	13.38	13.27	13.26
UPPER PENINSULA POWER		29.78	26.60	25.01	26.76	24.50	18.46	16.82	15.83	11.65	9.91	8.60
UMERC (FORMERLY WEPCO)		18.29	16.33	15.35	16.79	15.12	14.87	14.82	12.94	11.42	10.99	8.65
UMERC (FORMERLY WPSC)		18.19	15.79	14.59	13.54	11.30	11.84	11.75	11.69	10.24	9.82	9.24
AVERAGE INVESTOR OWNED		20.57	18.58	17.58	17.32	16.57	15.48	14.40	13.67	11.44	10.16	9.55

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2024

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 <u>5.000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4.320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		17.98	16.80	16.21	16.31	15.42	15.55	14.08	13.05	12.15	9.01	9.14
CONSUMERS ENERGY		21.07	19.30	18.41	17.36	15.95	16.92	14.58	13.63	11.70	10.38	9.81
DTE ELECTRIC		22.77	20.89	19.96	19.66	18.16	15.82	15.64	16.39	9.92	8.27	8.26
AEP (I&M) COMBINED		19.12	17.50	16.69	13.76	19.07	16.86	15.29	14.35	11.34	9.90	9.72
NORTHERN STATES POWER		17.68	15.70	14.72	14.68	13.30	13.85	12.54	11.76	13.38	13.27	13.26
UPPER PENINSULA POWER		29.71	26.53	24.94	26.81	24.51	18.50	16.84	15.85	11.66	9.91	8.60
UMERC (FORMERLY WEPCO)		18.29	16.33	15.35	16.79	15.12	14.87	14.82	12.94	11.42	10.99	8.65
UMERC (FORMERLY WPSC)		18.19	15.79	14.59	13.54	11.30	11.84	11.75	11.69	10.24	9.82	9.24
AVERAGE INVESTOR OWNED		20.60	18.61	17.61	17.36	16.60	15.53	14.44	13.71	11.48	10.19	9.58

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARG	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.25	15.08	14.49	14.61	13.72	13.86	12.38	11.35	10.37	7.72	7.67
CONSUMERS ENERGY		21.06	19.28	18.40	17.37	15.95	16.95	14.61	13.65	11.78	10.48	9.90
DTE ELECTRIC		21.63	19.75	18.82	16.71	15.47	14.22	14.13	14.77	10.01	8.84	8.36
AEP (I&M) COMBINED		18.28	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		16.07	14.10	13.11	13.08	11.70	12.24	10.94	10.15	11.77	11.66	11.65
UPPER PENINSULA POWER		29.71	26.53	24.94	26.81	24.51	18.50	16.84	15.85	11.66	9.91	8.60
UMERC (FORMERLY WEPCO)		15.93	13.98	13.00	14.43	12.76	12.51	12.47	10.58	9.06	8.63	6.29
UMERC (FORMERLY WPSC)		17.44	15.04	13.84	12.79	10.56	11.09	11.00	10.94	9.50	9.07	8.49
AVERAGE INVESTOR OWNED		19.55	17.55	16.55	16.05	15.37	14.45	13.38	12.62	10.59	9.45	8.76

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARG	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 <u>5,000</u>	100 <u>21.600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.25	15.08	14.49	14.61	13.72	13.86	12.38	11.35	10.37	7.72	7.67
CONSUMERS ENERGY		20.41	18.63	17.75	16.72	15.30	16.30	13.96	13.00	11.13	9.83	9.25
DTE ELECTRIC		22.25	20.38	19.44	17.36	16.13	14.88	14.78	15.45	10.71	9.54	9.06
AEP (I&M) COMBINED		18.28	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		16.07	14.10	13.11	13.08	11.70	12.24	10.94	10.15	11.77	11.66	11.65
UPPER PENINSULA POWER		29.71	26.53	24.94	26.81	24.51	18.50	16.84	15.85	11.66	9.91	8.60
UMERC (FORMERLY WEPCO)		14.98	13.09	12.14	13.54	11.92	11.68	11.64	9.74	8.23	7.81	5.47
UMERC (FORMERLY WPSC)		16.78	14.38	13.18	12.12	9.90	10.43	10.34	10.28	8.84	8.41	7.83
AVERAGE INVESTOR OWNED		19.34	17.36	16.36	15.86	15.19	14.26	13.19	12.44	10.41	9.27	8.58

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36.000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.25	15.08	14.49	14.61	13.72	13.86	12.38	11.35	10.37	7.72	7.67
CONSUMERS ENERGY		20.33	18.55	17.67	16.64	15.22	16.22	13.88	12.92	11.06	9.75	9.17
DTE ELECTRIC		22.25	20.38	19.44	17.36	16.13	14.88	14.78	15.45	10.71	9.54	9.06
AEP (I&M) COMBINED		18.28	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		16.07	14.10	13.11	14.74	13.36	12.24	10.94	10.15	11.77	11.66	11.65
UPPER PENINSULA POWER		29.71	26.53	24.94	26.81	24.51	18.50	16.84	15.85	11.66	9.91	8.60
UMERC (FORMERLY WEPCO)		16.31	14.36	13.38	14.81	13.14	12.89	12.85	10.96	9.44	9.01	6.67
UMERC (FORMERLY WPSC)		17.37	14.97	13.77	12.73	10.49	11.03	10.93	10.88	9.43	9.01	8.43
AVERAGE INVESTOR OWNED		19.57	17.58	16.58	16.29	15.61	14.48	13.41	12.66	10.63	9.48	8.79

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2023

	RESIDENTIAL			SMALL COM	MERCIAL	LARG	E COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21.600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.25	15.08	14.49	14.61	13.72	13.86	12.38	11.35	10.37	7.72	7.67
CONSUMERS ENERGY		22.20	20.42	19.53	18.29	16.87	19.70	16.51	15.04	11.73	10.41	9.83
DTE ELECTRIC		22.96	21.08	20.15	17.36	16.13	14.88	14.78	15.45	10.71	9.54	9.06
AEP (I&M) COMBINED		18.28	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		18.43	16.45	15.46	14.74	13.36	14.60	13.29	12.50	14.12	14.01	14.00
UPPER PENINSULA POWER		29.85	26.67	25.08	26.95	24.53	18.56	16.89	15.89	11.68	9.92	8.60
UMERC (FORMERLY WEPCO)		16.63	14.74	13.79	15.19	13.57	13.33	13.29	11.39	9.88	9.45	7.11
UMERC (FORMERLY WPSC)		17.52	15.12	13.92	12.86	10.63	11.16	11.07	11.02	9.58	9.15	8.57
AVERAGE INVESTOR OWNED		20.26	18.28	17.28	16.58	15.89	15.29	14.11	13.29	11.08	9.93	9.24

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36.000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.26	15.08	14.49	14.61	13.72	13.86	12.38	11.35	10.37	7.72	7.67
CONSUMERS ENERGY		22.19	20.41	19.52	18.27	16.85	19.68	16.49	15.02	11.71	10.39	9.81
DTE ELECTRIC		22.82	20.94	20.00	17.22	15.98	14.73	14.64	15.30	10.56	9.39	8.91
AEP (I&M) COMBINED		18.29	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		18.50	16.52	15.53	14.68	13.35	14.49	13.21	12.44	14.09	14.01	14.00
UPPER PENINSULA POWER		29.86	26.68	25.09	26.95	24.53	18.56	16.89	15.89	11.68	9.92	8.60
UMERC (FORMERLY WEPCO)		17.24	15.28	14.31	15.74	14.07	13.82	13.78	11.89	10.37	9.94	7.60
UMERC (FORMERLY WPSC)		17.88	15.48	14.28	13.23	10.99	11.53	11.44	11.38	9.94	9.51	8.93
AVERAGE INVESTOR OWNED		20.38	18.38	17.38	16.66	15.98	15.36	14.18	13.37	11.17	10.02	9.33

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	÷	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21.600</u>	100 <u>28,800</u>	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.26	15.08	14.49	14.61	13.72	13.86	12.38	11.35	10.37	7.72	7.67
CONSUMERS ENERGY		22.09	20.31	19.42	18.18	16.76	19.60	16.41	14.93	11.61	10.30	9.72
DTE ELECTRIC		22.82	20.94	20.00	17.22	15.98	14.73	14.64	15.30	10.56	9.39	8.91
AEP (I&M) COMBINED		18.29	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		18.50	16.52	15.53	14.68	13.35	14.49	13.21	12.44	14.09	14.01	14.00
UPPER PENINSULA POWER		29.86	26.68	25.09	26.95	24.53	18.56	16.89	15.89	11.68	9.92	8.60
UMERC (FORMERLY WEPCO)		17.60	15.65	14.67	16.10	14.43	14.18	14.14	12.25	10.73	10.30	7.96
UMERC (FORMERLY WPSC)		18.11	15.71	14.51	13.47	11.23	11.77	11.67	11.62	10.17	9.75	9.17
AVERAGE INVESTOR OWNED		20.44	18.44	17.45	16.73	16.04	15.42	14.25	13.44	11.23	10.08	9.39

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2023

		RESIDENTIAL			SMALL COM	MERCIAL	LARG	E COMMER	CIAL		INDUSTRIAL	•
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.26	15.08	14.49	14.61	13.72	13.86	12.38	11.35	10.37	7.72	7.67
CONSUMERS ENERGY		22.01	20.23	19.34	18.10	16.68	19.51	16.32	14.85	11.53	10.21	9.63
DTE ELECTRIC		22.82	20.94	20.00	17.22	15.98	14.73	14.64	15.30	10.56	9.39	8.91
AEP (I&M) COMBINED		18.29	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		18.50	16.52	15.53	14.68	13.35	14.49	13.21	12.44	14.09	14.01	14.00
UPPER PENINSULA POWER		27.40	24.22	22.63	20.39	18.14	15.16	14.20	13.63	11.17	9.35	8.19
UMERC (FORMERLY WEPCO)		17.90	16.01	15.06	16.46	14.84	14.60	14.56	12.66	11.15	10.73	8.38
UMERC (FORMERLY WPSC)		18.41	16.01	14.81	13.75	11.53	12.06	11.97	11.91	10.47	10.04	9.46
AVERAGE INVESTOR OWNED		20.20	18.21	17.21	15.98	15.32	15.08	13.99	13.23	11.24	10.09	9.42

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5.000	100 <u>21.600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.26	15.08	14.49	14.61	13.72	13.86	12.38	11.35	10.37	7.72	7.67
CONSUMERS ENERGY		20.07	18.29	17.40	16.38	14.95	15.95	13.62	12.65	10.78	9.47	8.90
DTE ELECTRIC		21.95	20.07	19.13	17.05	15.82	14.56	14.47	15.13	10.39	9.22	8.75
AEP (I&M) COMBINED		18.29	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		18.50	16.52	15.53	14.68	13.35	14.49	13.21	12.44	14.09	14.01	14.00
UPPER PENINSULA POWER		27.40	24.22	22.63	20.39	18.14	15.16	14.20	13.63	11.17	9.35	8.19
UMERC (FORMERLY WEPCO)		18.72	16.77	15.79	17.22	15.55	15.30	15.26	13.37	11.85	11.42	9.08
UMERC (FORMERLY WPSC)		18.90	16.50	15.30	14.26	12.02	12.56	12.46	12.41	10.96	10.54	9.96
AVERAGE INVESTOR OWNED		20.01	18.01	17.01	15.90	15.23	14.76	13.78	13.09	11.28	10.12	9.45

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 5.000	100 <u>21,600</u>	100 <u>28,800</u>	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.33	15.15	14.56	14.68	13.79	13.93	12.45	11.42	10.44	7.79	7.74
CONSUMERS ENERGY		20.40	18.62	17.73	16.71	15.29	16.29	13.95	12.99	11.12	9.81	9.24
DTE ELECTRIC		21.95	20.07	19.13	17.05	15.82	14.56	14.47	15.13	10.39	9.22	8.75
AEP (I&M) COMBINED		18.29	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		18.50	16.52	15.53	14.68	13.35	14.49	13.21	12.44	14.09	14.01	14.00
UPPER PENINSULA POWER		27.40	24.22	22.63	20.39	18.14	15.16	14.20	13.63	11.17	9.35	8.19
UMERC (FORMERLY WEPCO)		19.82	17.92	16.97	18.37	16.76	16.51	16.47	14.57	13.06	12.64	10.30
UMERC (FORMERLY WPSC)		19.78	17.38	16.18	15.14	12.91	13.43	13.34	13.29	11.84	11.42	10.84
AVERAGE INVESTOR OWNED		20.31	18.32	17.32	16.21	15.55	15.07	14.09	13.40	11.59	10.44	9.77

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2023

		RESIDENTIAL			SMALL COM	MERCIAL	LARGI	COMMER	CIAL		INDUSTRIAL	•
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.08	14.90	14.31	14.43	13.54	13.68	12.20	11.17	10.19	7.54	7.49
CONSUMERS ENERGY		20.34	18.56	17.67	16.66	15.24	16.23	13.89	12.93	11.07	9.76	9.19
DTE ELECTRIC		21.96	20.08	19.14	17.06	15.83	14.57	14.48	15.13	10.39	9.22	8.75
AEP (I&M) COMBINED		18.29	16.66	15.85	12.62	18.34	16.20	14.64	13.70	10.60	9.26	9.08
NORTHERN STATES POWER		17.86	15.94	14.95	14.61	13.27	13.83	12.55	11.78	13.44	13.36	13.35
UPPER PENINSULA POWER		27.50	24.32	22.73	20.25	18.11	15.10	14.16	13.59	11.16	9.35	8.19
UMERC (FORMERLY WEPCO)		19.94	17.99	17.01	18.44	16.77	16.52	16.48	14.59	13.07	12.64	10.30
UMERC (FORMERLY WPSC)		19.78	17.38	16.18	15.15	12.91	13.44	13.35	13.29	11.84	11.42	10.84
AVERAGE INVESTOR OWNED		20.22	18.23	17.23	16.15	15.50	14.95	13.97	13.27	11.47	10.32	9.65

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36.000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.08	14.90	14.31	14.43	13.54	13.68	12.20	11.17	10.19	7.54	7.49
CONSUMERS ENERGY		22.82	21.04	20.15	18.33	16.90	17.90	15.57	14.60	12.41	11.42	10.85
DTE ELECTRIC		20.49	18.61	18.62	15.98	14.74	13.49	13.40	14.04	9.30	8.14	7.66
AEP (I&M) COMBINED		19.09	17.06	16.05	13.42	18.56	16.25	14.68	13.73	10.63	9.26	9.08
NORTHERN STATES POWER		17.92	15.94	14.95	14.68	13.35	13.91	12.63	11.86	13.51	13.43	13.42
UPPER PENINSULA POWER		26.05	22.87	21.28	18.81	16.66	13.65	12.71	12.15	9.71	7.90	6.75
UMERC (FORMERLY WEPCO)		19.94	17.99	17.01	18.44	16.77	16.52	16.48	14.59	13.07	12.64	10.30
UMERC (FORMERLY WPSC)		19.78	17.38	16.18	15.15	12.91	13.44	13.35	13.29	11.84	11.42	10.84
AVERAGE INVESTOR OWNED		20.27	18.22	17.32	16.15	15.43	14.86	13.88	13.18	11.33	10.22	9.55

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2023

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 5.000	100 <u>21,600</u>	100 28,800	100 <u>36.000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		16.33	15.15	14.56	14.68	13.79	13.93	12.45	11.42	10.44	7.79	7.74
CONSUMERS ENERGY		23.20	21.42	20.53	18.71	17.29	18.28	15.94	14.98	12.79	11.81	11.24
DTE ELECTRIC		20.48	18.60	18.61	15.92	14.70	13.48	13.39	14.04	9.27	8.13	7.66
AEP (I&M) COMBINED		19.10	17.07	16.05	13.43	18.56	16.26	14.68	13.74	10.63	9.26	9.09
NORTHERN STATES POWER		17.92	15.94	14.95	14.68	13.35	13.91	12.63	11.86	13.51	13.43	13.42
UPPER PENINSULA POWER		26.05	22.87	21.28	18.81	16.66	13.65	12.71	12.15	9.71	7.90	6.75
UMERC (FORMERLY WEPCO)		19.94	17.99	17.01	18.44	16.77	16.52	16.48	14.59	13.07	12.64	10.30
UMERC (FORMERLY WPSC)		19.78	17.38	16.18	15.15	12.91	13.44	13.35	13.29	11.84	11.42	10.84
AVERAGE INVESTOR OWNED		20.35	18.30	17.40	16.23	15.50	14.93	13.95	13.26	11.41	10.30	9.63

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2022

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 <u>5,000</u>	100 <u>21.600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		15.83	14.65	14.06	14.14	13.29	13.42	11.94	10.92	9.95	7.29	7.24
CONSUMERS ENERGY		20.12	18.34	17.45	17.01	15.47	16.81	14.48	13.46	10.14	9.17	8.61
DTE ELECTRIC		20.09	18.41	18.54	15.77	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.24	17.21	16.20	13.60	18.69	16.38	14.80	13.85	10.76	9.38	9.20
NORTHERN STATES POWER		19.38	17.40	16.41	14.68	13.35	15.37	14.09	13.32	14.97	14.89	14.88
UPPER PENINSULA POWER		26.05	22.87	21.28	18.81	16.66	13.65	12.71	12.15	9.71	7.90	6.75
UMERC (FORMERLY WEPCO)		23.58	21.62	20.64	22.07	20.40	20.15	20.11	18.22	16.70	16.27	13.93
UMERC (FORMERLY WPSC)		23.81	21.41	20.21	19.18	16.94	17.47	17.38	17.32	15.87	15.45	14.87
AVERAGE INVESTOR OWNED		21.01	18.99	18.10	16.91	16.17	15.82	14.84	14.19	12.17	11.06	10.40

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2022

	RESIDENTIAL			SMALL COM	MERCIAL	LARGI	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21.600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		14.33	13.15	12.56	12.64	11.79	11.92	10.44	9.42	8.45	5.79	5.74
CONSUMERS ENERGY		20.12	18.34	17.45	17.01	15.47	16.81	14.48	13.46	10.14	9.17	8.61
DTE ELECTRIC		20.09	18.41	18.54	15.77	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.24	17.21	16.20	13.60	18.69	16.38	14.80	13.85	10.76	9.38	9.20
NORTHERN STATES POWER		19.38	17.40	16.41	14.68	13.35	15.37	14.09	13.32	14.97	14.89	14.88
UPPER PENINSULA POWER		26.05	22.87	21.28	18.81	16.66	13.65	12.71	12.15	9.71	7.90	6.75
UMERC (FORMERLY WEPCO)		23.45	21.55	20.61	22.00	20.39	20.14	20.10	18.21	16.70	16.27	13.93
UMERC (FORMERLY WPSC)		23.81	21.41	20.21	19.17	16.94	17.47	17.37	17.32	15.87	15.45	14.87
AVERAGE INVESTOR OWNED		20.81	18.79	17.91	16.71	15.98	15.63	14.65	14.00	11.98	10.87	10.21

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARG	E COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 <u>5.000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		14.83	13.65	13.06	13.14	12.29	12.42	10.94	9.92	8.95	6.29	6.24
CONSUMERS ENERGY		20.12	18.34	17.45	17.01	15.47	16.81	14.48	13.46	10.14	9.17	8.61
DTE ELECTRIC		20.09	18.41	18.54	15.77	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.24	17.21	16.20	13.60	18.69	16.38	14.80	13.85	10.76	9.38	9.20
NORTHERN STATES POWER		19.38	17.40	16.41	14.68	13.35	15.37	14.09	13.32	14.97	14.89	14.88
UPPER PENINSULA POWER		26.06	22.88	21.29	18.75	16.65	13.63	12.69	12.13	9.70	7.90	6.75
UMERC (FORMERLY WEPCO)		23.58	21.62	20.64	22.07	20.40	20.15	20.11	18.22	16.70	16.27	13.93
UMERC (FORMERLY WPSC)		23.81	21.41	20.21	19.18	16.94	17.47	17.38	17.32	15.87	15.45	14.87
AVERAGE INVESTOR OWNED		20.89	18.87	17.98	16.78	16.04	15.69	14.71	14.06	12.04	10.93	10.27

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		14.83	13.65	13.06	13.14	12.29	12.42	10.94	9.92	8.95	6.29	6.24
CONSUMERS ENERGY		21.21	19.43	18.54	16.77	15.23	18.25	15.54	14.30	10.56	9.58	9.01
DTE ELECTRIC		20.09	18.41	18.54	15.77	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.24	17.21	16.20	13.60	18.69	16.38	14.80	13.85	10.76	9.38	9.20
NORTHERN STATES POWER		19.38	17.40	16.41	14.68	13.35	15.37	14.09	13.32	14.97	14.89	14.88
UPPER PENINSULA POWER		26.06	22.88	21.29	18.75	16.65	13.63	12.69	12.13	9.70	7.90	6.75
UMERC (FORMERLY WEPCO)		23.45	21.55	20.61	22.00	20.39	20.14	20.10	18.21	16.70	16.27	13.93
UMERC (FORMERLY WPSC)		23.81	21.41	20.21	19.17	16.94	17.47	17.37	17.32	15.87	15.45	14.87
AVERAGE INVESTOR OWNED		21.01	18.99	18.11	16.74	16.01	15.87	14.85	14.17	12.10	10.98	10.32

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1.000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36.000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		15.32	14.15	13.56	13.64	12.79	12.92	11.44	10.42	9.45	6.79	6.74
CONSUMERS ENERGY		21.20	19.43	18.54	16.77	15.23	18.25	15.54	14.30	10.56	8.47	9.01
DTE ELECTRIC		20.08	18.41	18.54	15.76	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.17	17.14	16.13	13.42	18.65	16.37	14.79	13.85	10.75	9.38	9.20
NORTHERN STATES POWER		17.75	15.77	14.79	14.63	13.33	13.74	12.47	11.70	13.36	13.28	13.28
UPPER PENINSULA POWER		26.05	22.88	21.29	18.75	16.65	13.63	12.69	12.13	9.70	7.90	6.75
UMERC (FORMERLY WEPCO)		23.58	21.62	20.64	22.07	20.40	20.15	20.11	18.22	16.70	16.27	13.93
UMERC (FORMERLY WPSC)		23.81	21.41	20.21	19.18	16.94	17.47	17.38	17.32	15.87	15.45	14.87
AVERAGE INVESTOR OWNED		20.87	18.85	17.96	16.78	16.07	15.73	14.71	14.03	11.96	10.71	10.19

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.12	14.95	14.36	14.44	13.59	13.72	12.24	11.22	10.25	7.59	7.54
CONSUMERS ENERGY		21.20	19.43	18.54	16.77	15.23	18.24	15.54	14.30	10.57	9.59	9.02
DTE ELECTRIC		20.08	18.41	18.54	15.76	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.17	17.14	16.13	13.42	18.65	16.37	14.79	13.85	10.75	9.38	9.20
NORTHERN STATES POWER		17.75	15.77	14.79	14.63	13.33	13.74	12.47	11.70	13.36	13.28	13.28
UPPER PENINSULA POWER		26.05	22.88	21.29	18.75	16.65	13.63	12.69	12.13	9.70	7.90	6.75
UMERC (FORMERLY WEPCO)		18.42	16.46	15.49	16.92	15.25	15.00	14.96	13.07	11.55	11.12	8.78
UMERC (FORMERLY WPSC)		18.25	15.85	14.65	13.61	11.38	11.91	11.82	11.76	10.31	9.89	9.31
AVERAGE INVESTOR OWNED		19.63	17.61	16.72	15.54	14.83	14.49	13.47	12.79	10.72	9.61	8.95

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.12	14.95	14.36	14.44	13.59	13.72	12.24	11.22	10.25	7.59	7.54
CONSUMERS ENERGY		21.20	19.43	18.54	16.77	15.23	18.24	15.54	14.30	10.57	9.59	9.02
DTE ELECTRIC		20.08	18.41	18.54	15.76	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.17	17.14	16.13	13.42	18.65	16.37	14.79	13.85	10.75	9.38	9.20
NORTHERN STATES POWER		17.75	15.77	14.79	14.63	13.33	13.74	12.47	11.70	13.36	13.28	13.28
UPPER PENINSULA POWER		26.05	22.88	21.29	18.75	16.65	13.63	12.69	12.13	9.70	7.90	6.75
UMERC (FORMERLY WEPCO)		18.30	16.40	15.45	16.85	15.24	14.99	14.95	13.05	11.54	11.12	8.78
UMERC (FORMERLY WPSC)		18.25	15.85	14.65	13.60	11.38	11.90	11.81	11.76	10.31	9.89	9.30
AVERAGE INVESTOR OWNED		19.61	17.60	16.72	15.53	14.83	14.49	13.47	12.78	10.72	9.61	8.95

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.12	14.95	14.36	14.44	13.59	13.72	12.24	11.22	10.25	7.59	7.54
CONSUMERS ENERGY		20.12	18.34	17.45	17.01	15.47	16.81	14.47	13.45	10.15	9.18	8.62
DTE ELECTRIC		20.08	18.41	18.54	15.76	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.17	17.14	16.13	13.42	18.65	16.37	14.79	13.85	10.75	9.38	9.20
NORTHERN STATES POWER		17.78	15.81	14.82	14.63	13.33	13.77	12.50	11.73	13.39	13.32	13.31
UPPER PENINSULA POWER		26.07	22.90	21.31	18.77	16.67	13.65	12.71	12.15	9.72	7.92	6.77
UMERC (FORMERLY WEPCO)		18.45	16.49	15.51	16.99	15.26	15.00	14.96	13.11	11.55	11.12	8.78
UMERC (FORMERLY WPSC)		18.27	15.87	14.67	13.67	11.39	11.94	11.84	11.78	10.31	9.89	9.31
AVERAGE INVESTOR OWNED		19.51	17.49	16.60	15.58	14.86	14.32	13.34	12.70	10.67	9.56	8.90

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.12	14.95	14.36	14.44	13.59	13.72	12.24	11.22	10.25	7.59	7.54
CONSUMERS ENERGY		20.12	18.34	17.45	17.01	15.47	16.81	14.47	13.45	10.15	9.18	8.62
DTE ELECTRIC		20.08	18.41	18.54	15.76	14.54	13.32	13.23	14.28	9.26	8.12	7.71
AEP (I&M) COMBINED		19.57	17.34	16.23	13.82	18.76	16.39	14.81	13.86	10.77	9.38	9.20
NORTHERN STATES POWER		17.76	15.79	14.80	14.61	13.31	13.76	12.49	11.72	13.38	13.31	13.30
UPPER PENINSULA POWER		26.07	22.90	21.31	18.77	16.67	13.65	12.71	12.15	9.72	7.92	6.77
UMERC (FORMERLY WEPCO)		18.32	16.43	15.48	16.92	15.25	14.99	14.95	13.09	11.55	11.12	8.78
UMERC (FORMERLY WPSC)		18.27	15.87	14.67	13.67	11.39	11.95	11.84	11.78	10.31	9.89	9.31
AVERAGE INVESTOR OWNED		19.54	17.50	16.61	15.62	14.87	14.32	13.34	12.69	10.67	9.56	8.90

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.13	14.96	14.37	14.51	13.60	13.73	12.25	11.22	10.24	7.59	7.55
CONSUMERS ENERGY		19.95	18.17	17.29	17.00	15.37	16.61	14.32	13.38	10.07	9.16	8.69
DTE ELECTRIC		19.93	18.25	18.39	15.67	14.44	13.23	13.14	14.19	9.26	8.26	7.93
AEP (I&M) COMBINED		19.76	17.53	16.42	14.20	18.84	16.41	14.83	13.87	10.84	9.39	9.20
NORTHERN STATES POWER		16.01	14.04	13.05	12.90	11.60	12.62	11.46	10.77	12.02	11.95	11.94
UPPER PENINSULA POWER		26.07	22.90	21.31	18.77	16.67	13.65	12.71	12.15	9.72	7.92	6.77
UMERC (FORMERLY WEPCO)		18.45	16.49	15.51	16.99	15.26	15.00	14.96	13.11	11.55	11.12	8.78
UMERC (FORMERLY WPSC)		18.27	15.87	14.67	13.67	11.39	11.95	11.84	11.78	10.31	9.89	9.31
AVERAGE INVESTOR OWNED		19.32	17.28	16.38	15.46	14.65	14.15	13.19	12.56	10.50	9.41	8.77

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.13	14.96	14.37	14.51	13.60	13.73	12.25	11.22	10.24	7.59	7.55
CONSUMERS ENERGY		19.95	18.17	17.29	17.00	15.37	16.61	14.32	13.38	10.07	9.16	8.69
DTE ELECTRIC		19.93	18.25	18.39	15.67	14.44	13.23	13.14	14.19	9.26	8.26	7.93
AEP (I&M) COMBINED		19.76	17.53	16.42	14.20	18.84	16.41	14.83	13.87	10.84	9.39	9.20
NORTHERN STATES POWER		16.01	14.04	13.05	12.90	11.60	12.62	11.46	10.77	12.02	11.95	11.94
UPPER PENINSULA POWER		26.07	22.90	21.31	18.77	16.67	13.65	12.71	12.15	9.72	7.92	6.77
UMERC (FORMERLY WEPCO)		17.88	15.92	14.94	16.42	14.69	14.43	14.39	12.53	10.98	10.55	8.21
UMERC (FORMERLY WPSC)		17.73	15.33	14.13	13.13	10.86	11.41	11.31	11.25	9.77	9.35	8.77
AVERAGE INVESTOR OWNED		19.18	17.14	16.24	15.32	14.51	14.01	13.05	12.42	10.36	9.27	8.63

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2022

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.83	14.66	14.07	14.21	13.30	13.43	11.95	10.92	9.94	7.29	7.25
CONSUMERS ENERGY		19.95	18.18	17.29	17.00	15.38	16.61	14.32	13.38	10.07	9.16	8.69
DTE ELECTRIC		19.89	18.22	18.35	15.79	14.53	13.25	13.15	14.21	9.23	8.26	7.93
AEP (I&M) COMBINED		19.76	17.54	16.43	14.20	18.85	16.42	14.83	13.88	10.84	9.39	9.21
NORTHERN STATES POWER		16.01	14.04	13.05	12.90	11.60	12.62	11.46	10.77	12.02	11.95	11.94
UPPER PENINSULA POWER		26.07	22.90	21.31	18.77	16.67	13.65	12.71	12.15	9.72	7.92	6.77
UMERC (FORMERLY WEPCO)		17.88	15.92	14.94	16.42	14.69	14.43	14.39	12.53	10.98	10.55	8.21
UMERC (FORMERLY WPSC)		17.73	15.33	14.13	13.13	10.86	11.41	11.31	11.25	9.77	9.35	8.77
AVERAGE INVESTOR OWNED		19.14	17.10	16.20	15.30	14.49	13.98	13.02	12.39	10.32	9.23	8.60

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.42	13.25	12.66	13.10	12.19	12.28	10.93	9.98	8.58	6.35	6.32
CONSUMERS ENERGY		20.43	18.66	17.77	17.71	16.08	17.22	14.84	13.84	10.44	9.54	8.98
DTE ELECTRIC		19.73	18.05	18.19	15.58	14.33	13.08	12.98	14.04	9.05	8.10	7.77
AEP (I&M) COMBINED		19.43	17.20	16.09	13.86	18.51	16.08	14.49	13.54	10.50	9.05	8.87
NORTHERN STATES POWER		15.57	13.60	12.61	12.46	11.17	12.19	11.03	10.33	11.58	11.51	11.50
UPPER PENINSULA POWER		25.48	22.31	20.72	18.18	16.08	13.06	12.13	11.57	9.13	7.33	6.18
UMERC (FORMERLY WEPCO)		16.93	14.97	13.99	15.47	13.75	13.48	13.44	11.59	10.04	9.60	7.26
UMERC (FORMERLY WPSC)		15.94	13.54	12.34	11.34	9.07	9.62	9.52	9.46	7.98	7.56	6.98
AVERAGE INVESTOR OWNED		18.49	16.45	15.55	14.71	13.90	13.38	12.42	11.79	9.66	8.63	7.98

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.92	13.75	13.16	13.60	12.69	12.78	11.43	10.48	9.08	6.85	6.82
CONSUMERS ENERGY		20.43	18.66	17.77	17.71	16.08	17.22	14.84	13.84	10.44	9.54	8.98
DTE ELECTRIC		19.73	18.05	18.19	15.58	14.33	13.08	12.98	14.04	9.05	8.10	7.77
AEP (I&M) COMBINED		19.43	17.20	16.09	13.86	18.51	16.08	14.49	13.54	10.50	9.05	8.87
NORTHERN STATES POWER		15.57	13.60	12.61	12.46	11.17	12.19	11.03	10.33	11.58	11.51	11.50
UPPER PENINSULA POWER		25.48	22.31	20.72	18.18	16.08	13.06	12.13	11.57	9.13	7.33	6.18
UMERC (FORMERLY WEPCO)		16.80	14.91	13.96	15.40	13.73	13.48	13.44	11.57	10.03	9.60	7.26
UMERC (FORMERLY WPSC)		15.94	13.54	12.34	11.34	9.07	9.62	9.52	9.46	7.98	7.56	6.98
AVERAGE INVESTOR OWNED		18.54	16.50	15.61	14.77	13.96	13.44	12.48	11.85	9.73	8.69	8.04

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		14.92	13.75	13.16	13.60	12.69	12.78	11.43	10.48	9.08	6.85	6.82
CONSUMERS ENERGY		20.43	18.66	17.77	17.71	16.08	17.22	14.84	13.84	10.44	9.54	8.98
DTE ELECTRIC		19.73	18.05	18.19	15.58	14.33	13.08	12.98	14.04	9.05	8.10	7.77
AEP (I&M) COMBINED		19.43	17.20	16.09	13.86	18.51	16.08	14.49	13.54	10.50	9.05	8.87
NORTHERN STATES POWER		15.57	13.60	12.61	12.46	11.17	12.19	11.03	10.33	11.58	11.51	11.50
UPPER PENINSULA POWER		25.48	22.31	20.72	18.18	16.08	13.06	12.13	11.57	9.13	7.33	6.18
UMERC (FORMERLY WEPCO)		16.93	14.97	13.99	15.47	13.75	13.48	13.44	11.59	10.04	9.60	7.26
UMERC (FORMERLY WPSC)		15.94	13.54	12.34	11.34	9.07	9.62	9.52	9.46	7.98	7.56	6.98
AVERAGE INVESTOR OWNED		18.55	16.51	15.61	14.78	13.96	13.44	12.48	11.85	9.73	8.69	8.04

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.92	13.75	13.16	13.60	12.69	12.78	11.43	10.48	9.08	6.85	6.82
CONSUMERS ENERGY		21.31	19.54	18.65	17.81	16.19	19.15	16.36	15.11	10.89	9.99	9.42
DTE ELECTRIC		19.55	17.87	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.43	17.20	16.09	13.86	18.51	16.08	14.49	13.54	10.50	9.05	8.87
NORTHERN STATES POWER		15.57	13.60	12.61	12.46	11.17	12.19	11.03	10.33	11.58	11.51	11.50
UPPER PENINSULA POWER		25.41	22.24	20.65	18.06	16.06	13.00	12.08	11.53	9.11	7.33	6.18
UMERC (FORMERLY WEPCO)		16.80	14.91	13.96	15.40	13.73	13.48	13.44	11.57	10.03	9.60	7.26
UMERC (FORMERLY WPSC)		15.94	13.54	12.34	11.34	9.07	9.62	9.52	9.46	7.98	7.56	6.98
AVERAGE INVESTOR OWNED		18.62	16.58	15.68	14.74	13.95	13.65	12.64	11.98	9.76	8.73	8.08

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.94	13.76	13.17	13.60	12.69	12.79	11.43	10.48	9.08	6.85	6.82
CONSUMERS ENERGY		21.33	19.54	18.65	17.82	16.19	19.15	16.36	15.11	10.89	9.99	9.42
DTE ELECTRIC		19.56	17.88	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.44	17.21	16.09	13.99	18.56	16.13	14.55	13.59	10.50	9.05	8.87
NORTHERN STATES POWER		15.54	13.56	12.57	12.52	11.18	12.22	11.05	10.35	11.59	11.51	11.50
UPPER PENINSULA POWER		25.43	22.25	20.65	18.07	16.06	13.00	12.08	11.53	9.11	7.33	6.18
UMERC (FORMERLY WEPCO)		16.93	14.97	13.99	15.47	13.75	13.48	13.44	11.59	10.04	9.60	7.26
UMERC (FORMERLY WPSC)		15.94	13.54	12.34	11.34	9.07	9.62	9.52	9.46	7.98	7.56	6.98
AVERAGE INVESTOR OWNED		18.64	16.59	15.69	14.78	13.96	13.66	12.65	12.00	9.76	8.73	8.08

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.94	13.76	13.17	13.60	12.69	12.79	11.43	10.48	9.08	6.85	6.82
CONSUMERS ENERGY		21.26	19.47	18.58	17.75	16.12	19.08	16.30	15.04	10.83	9.92	9.35
DTE ELECTRIC		19.56	17.88	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.44	17.21	16.09	13.99	18.56	16.13	14.55	13.59	10.50	9.05	8.87
NORTHERN STATES POWER		15.54	13.56	12.57	12.52	11.18	12.22	11.05	10.35	11.59	11.51	11.50
UPPER PENINSULA POWER		25.18	22.00	20.40	17.82	15.81	12.75	11.83	11.28	8.86	7.08	5.93
UMERC (FORMERLY WEPCO)		16.78	14.82	13.85	15.33	13.60	13.34	13.29	11.44	9.89	9.45	7.11
UMERC (FORMERLY WPSC)		16.69	14.29	13.09	12.09	9.81	10.37	10.26	10.20	8.73	8.31	7.73
AVERAGE INVESTOR OWNED		18.67	16.62	15.72	14.81	13.99	13.70	12.69	12.03	9.79	8.76	8.11

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.94	13.76	13.17	13.60	12.69	12.79	11.43	10.48	9.08	6.85	6.82
CONSUMERS ENERGY		21.33	19.54	18.65	17.82	16.19	19.16	16.37	15.11	10.90	9.99	9.42
DTE ELECTRIC		19.56	17.88	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.44	17.21	16.09	13.99	18.56	16.13	14.55	13.59	10.50	9.05	8.87
NORTHERN STATES POWER		15.54	13.56	12.57	12.52	11.18	12.22	11.05	10.35	11.59	11.51	11.50
UPPER PENINSULA POWER		25.18	22.00	20.40	17.82	15.81	12.75	11.83	11.28	8.86	7.08	5.93
UMERC (FORMERLY WEPCO)		16.66	14.76	13.81	15.26	13.58	13.33	13.29	11.43	9.88	9.45	7.11
UMERC (FORMERLY WPSC)		16.69	14.29	13.09	12.09	9.81	10.37	10.26	10.20	8.73	8.31	7.73
AVERAGE INVESTOR OWNED		18.67	16.62	15.72	14.81	14.00	13.70	12.70	12.04	9.80	8.77	8.12

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.94	13.76	13.17	13.60	12.69	12.79	11.43	10.48	9.08	6.85	6.82
CONSUMERS ENERGY		20.43	18.64	17.75	17.70	16.07	17.20	14.83	13.82	10.42	9.52	8.96
DTE ELECTRIC		19.56	17.88	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.44	17.21	16.09	13.99	18.56	16.13	14.55	13.59	10.50	9.05	8.87
NORTHERN STATES POWER		15.54	13.56	12.57	12.52	11.18	12.22	11.05	10.35	11.59	11.51	11.50
UPPER PENINSULA POWER		25.18	22.00	20.40	17.82	15.81	12.75	11.83	11.28	8.86	7.08	5.93
UMERC (FORMERLY WEPCO)		16.78	14.82	13.85	15.33	13.60	13.34	13.29	11.44	9.89	9.45	7.11
UMERC (FORMERLY WPSC)		16.69	14.29	13.09	12.09	9.81	10.37	10.26	10.20	8.73	8.31	7.73
AVERAGE INVESTOR OWNED		18.57	16.52	15.62	14.81	13.98	13.46	12.51	11.88	9.74	8.71	8.06

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	<u>.</u>	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.19	14.01	13.42	13.85	12.94	13.04	11.68	10.73	9.33	7.10	7.07
CONSUMERS ENERGY		19.94	18.16	17.27	17.22	15.59	16.72	14.35	13.34	9.94	9.04	8.48
DTE ELECTRIC		19.56	17.88	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.44	17.21	16.09	13.99	18.56	16.13	14.55	13.59	10.50	9.05	8.87
NORTHERN STATES POWER		15.54	13.56	12.57	12.52	11.18	12.22	11.05	10.35	11.62	11.54	11.53
UPPER PENINSULA POWER		25.18	22.00	20.40	17.82	15.81	12.75	11.83	11.28	8.86	7.08	5.93
UMERC (FORMERLY WEPCO)		16.66	14.76	13.81	15.26	13.58	13.33	13.29	11.43	9.88	9.45	7.11
UMERC (FORMERLY WPSC)		16.53	14.13	12.93	12.31	10.03	10.49	10.39	10.33	8.75	8.33	7.75
AVERAGE INVESTOR OWNED		18.51	16.46	15.56	14.80	13.98	13.45	12.49	11.86	9.72	8.69	8.04

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.44	14.26	13.67	14.10	13.19	13.29	11.93	10.98	9.58	7.35	7.32
CONSUMERS ENERGY		19.94	18.16	17.27	17.21	15.59	16.72	14.34	13.34	9.94	9.04	8.48
DTE ELECTRIC		19.56	17.88	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.44	17.21	16.09	13.99	18.56	16.13	14.55	13.59	10.50	9.05	11.40
NORTHERN STATES POWER		15.57	13.56	12.57	12.55	11.21	12.26	11.09	10.39	11.62	11.54	11.53
UPPER PENINSULA POWER		25.18	22.00	20.40	17.82	15.81	12.75	11.83	11.28	8.86	7.08	5.93
UMERC (FORMERLY WEPCO)		16.78	14.82	13.85	15.33	13.60	13.34	13.29	11.44	9.89	9.45	7.11
UMERC (FORMERLY WPSC)		16.53	14.13	12.93	12.31	10.03	10.49	10.39	10.33	8.75	8.33	7.75
AVERAGE INVESTOR OWNED		18.56	16.50	15.60	14.84	14.02	13.48	12.53	11.90	9.75	8.72	8.39

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.94	14.76	14.17	14.60	13.69	13.79	12.43	11.48	10.08	7.85	7.82
CONSUMERS ENERGY		19.94	18.16	17.27	17.22	15.59	16.72	14.35	13.34	9.94	9.04	8.48
DTE ELECTRIC		19.56	17.88	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.46	17.23	16.12	13.94	18.52	16.08	14.50	13.54	10.51	9.05	11.40
NORTHERN STATES POWER		15.54	13.56	12.57	12.52	11.18	12.22	11.05	10.35	11.59	11.51	11.50
UPPER PENINSULA POWER		25.18	22.00	20.40	17.82	15.81	12.75	11.83	11.28	8.86	7.08	5.93
UMERC (FORMERLY WEPCO)		16.40	14.63	13.75	15.12	13.56	13.32	13.28	11.39	9.87	9.45	7.11
UMERC (FORMERLY WPSC)		16.53	14.13	12.93	12.31	10.03	10.49	10.39	10.33	8.75	8.33	7.75
AVERAGE INVESTOR OWNED		18.57	16.54	15.65	14.87	14.07	13.53	12.58	11.95	9.81	8.78	8.45

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2021

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.01	14.83	14.24	14.67	13.76	13.86	12.50	11.55	10.16	7.92	7.89
CONSUMERS ENERGY		19.94	18.16	17.27	17.22	15.59	16.72	14.35	13.34	9.94	9.04	8.48
DTE ELECTRIC		19.56	17.88	18.01	15.40	14.15	12.90	12.80	13.86	8.87	7.92	7.59
AEP (I&M) COMBINED		19.47	17.24	16.12	13.94	18.53	16.09	14.50	13.55	10.51	9.06	11.40
NORTHERN STATES POWER		15.54	13.56	12.57	12.52	11.18	12.22	11.05	10.35	11.59	11.51	11.50
UPPER PENINSULA POWER		25.18	22.00	20.40	17.82	15.81	12.75	11.83	11.28	8.86	7.08	5.93
UMERC (FORMERLY WEPCO)		16.78	14.82	13.85	15.33	13.60	13.34	13.29	11.44	9.89	9.45	7.11
UMERC (FORMERLY WPSC)		16.53	14.13	12.93	12.31	10.03	10.49	10.39	10.33	8.75	8.33	7.75
AVERAGE INVESTOR OWNED		18.63	16.58	15.67	14.90	14.08	13.55	12.59	11.96	9.82	8.79	8.46

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.22	15.04	14.45	14.88	13.95	14.05	12.69	11.74	10.34	8.11	8.06
CONSUMERS ENERGY		17.22	15.54	14.70	15.94	14.32	15.77	13.43	12.41	10.65	9.00	7.93
DTE ELECTRIC		19.55	17.86	18.00	15.39	14.14	12.88	12.79	13.84	8.86	7.90	7.58
AEP (I&M) COMBINED		18.89	16.66	15.54	13.36	17.95	15.51	13.92	12.97	9.93	8.48	10.82
NORTHERN STATES POWER		14.98	12.99	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.67	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		17.14	15.18	14.20	15.68	13.95	13.69	13.64	11.80	10.25	9.82	7.48
UMERC (FORMERLY WPSC)		16.88	14.48	13.28	12.66	10.38	10.84	10.73	10.67	9.11	8.69	8.11
AVERAGE INVESTOR OWNED		18.21	16.18	15.28	14.69	13.92	13.41	12.47	11.84	9.92	8.79	8.40

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.47	13.29	12.70	13.13	12.20	12.30	10.94	9.99	8.59	6.36	6.31
CONSUMERS ENERGY		17.38	15.70	14.85	16.10	14.48	15.93	13.59	12.57	10.80	9.16	8.08
DTE ELECTRIC		19.55	17.86	18.00	15.39	14.14	12.88	12.79	13.84	8.86	7.90	7.58
AEP (I&M) COMBINED		18.90	16.67	15.55	13.56	17.99	15.52	13.93	12.97	9.96	8.48	10.82
NORTHERN STATES POWER		14.98	12.99	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.67	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		17.48	15.35	14.28	16.26	14.07	13.71	13.66	11.80	10.26	9.82	7.48
UMERC (FORMERLY WPSC)		16.88	14.48	13.28	12.66	10.38	10.84	10.73	10.67	9.11	8.69	8.11
AVERAGE INVESTOR OWNED		18.06	16.00	15.09	14.59	13.74	13.22	12.27	11.64	9.73	8.60	8.20

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.47	13.29	12.70	13.13	12.20	12.30	10.94	9.99	8.59	6.36	6.31
CONSUMERS ENERGY		17.49	15.81	14.97	16.22	14.59	16.05	13.71	12.69	10.92	9.28	8.20
DTE ELECTRIC		19.55	17.86	18.00	15.39	14.14	12.88	12.79	13.84	8.86	7.90	7.58
AEP (I&M) COMBINED		19.44	17.00	15.78	14.00	18.08	15.54	13.94	12.99	10.06	8.49	10.83
NORTHERN STATES POWER		14.98	12.99	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.67	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		17.62	15.42	14.32	16.35	14.08	13.72	13.67	11.82	10.27	9.82	7.48
UMERC (FORMERLY WPSC)		16.88	14.48	13.28	12.66	10.38	10.84	10.73	10.67	9.11	8.69	8.11
AVERAGE INVESTOR OWNED		18.16	16.07	15.14	14.67	13.77	13.24	12.29	11.66	9.76	8.61	8.21

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL_		INDUSTRIAL	:	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.47	13.29	12.70	13.13	12.20	12.30	10.94	9.99	8.59	6.36	6.32
CONSUMERS ENERGY		17.30	15.62	16.01	16.12	14.49	17.93	15.13	13.83	11.19	9.55	8.47
DTE ELECTRIC		19.41	17.73	17.86	14.68	13.52	12.63	12.56	13.63	8.64	7.75	7.43
AEP (I&M) COMBINED		19.03	16.80	15.68	14.00	18.08	15.54	13.94	12.99	10.06	8.49	10.83
NORTHERN STATES POWER		14.98	12.99	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.67	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		15.79	13.66	12.59	14.57	12.37	12.02	11.97	10.11	8.57	8.13	5.78
UMERC (FORMERLY WPSC)		15.44	13.04	11.84	11.22	8.94	9.40	9.29	9.23	7.67	7.25	6.67
AVERAGE INVESTOR OWNED		17.66	15.60	14.84	14.16	13.28	13.05	12.05	11.39	9.37	8.23	7.84

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		14.47	13.29	12.70	13.13	12.20	12.30	10.94	9.99	8.59	6.36	6.32
CONSUMERS ENERGY		17.39	15.71	16.10	16.21	14.58	18.02	15.22	13.92	11.28	9.64	8.56
DTE ELECTRIC		18.94	17.26	17.39	14.20	13.04	12.15	12.09	13.16	8.16	7.28	6.96
AEP (I&M) COMBINED		19.03	16.80	15.68	14.00	18.02	15.53	13.93	12.98	10.02	8.07	10.83
NORTHERN STATES POWER		14.98	13.00	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		15.91	13.71	12.61	14.67	12.39	12.02	11.97	10.15	8.57	8.13	5.78
UMERC (FORMERLY WPSC)		15.43	13.03	11.83	11.24	8.95	9.39	9.29	9.23	7.67	7.25	6.66
AVERAGE INVESTOR OWNED		17.63	15.56	14.80	14.13	13.23	13.00	12.00	11.34	9.31	8.13	7.79

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.72	14.54	13.95	14.38	13.45	13.55	12.19	11.24	9.84	7.61	7.57
CONSUMERS ENERGY		17.55	15.87	16.26	16.04	14.42	18.08	15.31	13.64	11.35	9.81	8.73
DTE ELECTRIC		18.94	17.26	17.39	14.20	13.04	12.15	12.09	13.16	8.16	7.28	6.96
AEP (I&M) COMBINED		19.03	16.80	15.68	14.00	18.08	15.54	13.94	12.99	10.06	8.49	10.83
NORTHERN STATES POWER		14.98	13.00	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		15.91	13.71	12.61	14.67	12.39	12.02	11.97	10.15	8.57	8.13	5.78
UMERC (FORMERLY WPSC)		15.43	13.03	11.83	11.24	8.95	9.39	9.29	9.23	7.67	7.25	6.66
AVERAGE INVESTOR OWNED		17.80	15.73	14.97	14.27	13.37	13.17	12.17	11.46	9.49	8.36	7.97

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.97	14.79	14.20	14.63	13.70	13.80	12.44	11.49	10.09	7.86	7.82
CONSUMERS ENERGY		17.65	15.96	16.35	16.13	14.51	18.17	15.40	13.73	11.45	9.90	8.83
DTE ELECTRIC		18.94	17.26	17.39	14.20	13.04	12.15	12.09	13.16	8.16	7.28	6.96
AEP (I&M) COMBINED		19.03	16.80	15.68	14.00	18.08	15.54	13.94	12.99	10.06	8.49	10.83
NORTHERN STATES POWER		14.98	13.00	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		16.76	14.63	13.57	15.58	13.38	13.02	12.97	11.11	9.53	9.10	6.76
UMERC (FORMERLY WPSC)		16.21	13.81	12.61	12.03	9.74	10.17	10.06	10.00	8.43	8.00	7.42
AVERAGE INVESTOR OWNED		18.05	15.99	15.24	14.52	13.64	13.43	12.43	11.72	9.74	8.62	8.22

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		15.86	14.67	14.08	14.52	13.68	13.75	12.40	11.46	10.06	7.85	7.82
CONSUMERS ENERGY		17.58	15.89	15.05	15.96	14.35	16.02	13.71	12.32	10.75	7.80	6.77
DTE ELECTRIC		18.62	16.94	16.89	14.36	13.20	12.31	12.24	12.37	8.65	7.75	7.45
AEP (I&M) COMBINED		18.57	16.33	15.22	13.60	17.68	15.14	13.54	12.59	9.73	8.15	10.49
NORTHERN STATES POWER		14.98	13.00	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		16.91	14.70	13.60	15.68	13.40	13.03	12.98	11.12	9.54	9.10	6.76
UMERC (FORMERLY WPSC)		16.21	13.81	12.61	12.03	9.74	10.17	10.06	10.00	8.43	8.00	7.42
AVERAGE INVESTOR OWNED		17.95	15.88	14.94	14.47	13.59	13.12	12.18	11.40	9.67	8.38	7.99

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.11	14.92	14.33	14.77	13.93	14.00	12.65	11.71	10.31	8.10	8.07
CONSUMERS ENERGY		17.61	15.92	15.08	15.99	14.38	16.05	13.74	12.35	10.94	7.84	6.80
DTE ELECTRIC		18.62	16.94	16.89	14.36	13.20	12.31	12.24	12.37	8.65	7.75	7.45
AEP (I&M) COMBINED		18.57	16.33	15.22	13.60	17.68	15.14	13.54	12.59	9.73	8.15	10.49
NORTHERN STATES POWER		14.90	13.00	12.00	11.92	10.70	11.81	10.63	9.93	11.18	11.08	11.08
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		16.98	14.85	13.79	15.80	13.60	13.24	13.19	11.33	9.75	9.32	6.98
UMERC (FORMERLY WPSC)		16.08	13.68	12.48	12.73	10.44	10.66	10.56	10.49	8.69	8.26	7.68
AVERAGE INVESTOR OWNED		17.96	15.91	14.98	14.60	13.72	13.24	12.30	11.51	9.78	8.46	8.07

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.11	14.92	14.33	14.77	13.93	14.00	12.65	11.71	10.31	8.10	8.07
CONSUMERS ENERGY		17.68	15.99	15.15	16.06	14.45	16.13	13.81	12.42	11.01	7.91	6.87
DTE ELECTRIC		18.62	16.94	16.89	14.17	13.04	12.27	12.22	12.35	8.55	7.74	7.45
AEP (I&M) COMBINED		18.57	16.33	15.22	13.60	17.68	15.14	13.54	12.59	9.73	8.15	10.49
NORTHERN STATES POWER		14.98	13.00	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		17.13	14.92	13.82	15.90	13.62	13.25	13.20	11.34	9.76	9.32	6.98
UMERC (FORMERLY WPSC)		16.08	13.68	12.48	12.73	10.44	10.66	10.56	10.49	8.69	8.26	7.68
AVERAGE INVESTOR OWNED		18.00	15.93	15.00	14.60	13.73	13.25	12.31	11.53	9.78	8.48	8.09

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.11	14.92	14.33	14.77	13.93	14.00	12.65	11.71	10.31	8.10	8.07
CONSUMERS ENERGY		17.73	16.05	15.20	16.12	14.50	16.18	13.86	12.48	11.06	7.97	6.92
DTE ELECTRIC		18.56	16.88	16.84	14.17	13.04	12.27	12.22	12.35	8.55	7.74	7.45
AEP (I&M) COMBINED		16.60	14.37	13.25	13.21	16.03	14.00	12.73	11.98	9.29	8.07	10.05
NORTHERN STATES POWER		14.98	13.00	12.00	12.00	10.78	11.87	10.70	10.00	11.24	11.15	11.14
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		17.22	15.23	14.24	16.14	14.08	13.75	13.70	11.82	10.26	9.84	7.50
UMERC (FORMERLY WPSC)		16.56	14.16	12.96	13.21	10.92	11.14	11.04	10.97	9.17	8.74	8.16
AVERAGE INVESTOR OWNED		17.83	15.79	14.86	14.65	13.64	13.24	12.34	11.58	9.86	8.60	8.17

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2020

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		16.11	14.92	14.33	14.77	13.93	14.00	12.65	11.71	10.31	8.10	8.07
CONSUMERS ENERGY		17.89	16.21	15.37	16.28	14.66	16.34	14.03	12.64	11.23	8.13	7.09
DTE ELECTRIC		18.56	16.87	16.83	14.18	13.06	12.28	12.22	12.35	8.53	7.74	7.45
AEP (I&M) COMBINED		16.60	14.37	13.25	13.67	16.03	14.00	12.73	11.98	9.29	8.07	10.05
NORTHERN STATES POWER		15.28	13.30	12.30	12.30	11.09	12.17	11.00	10.30	11.54	11.45	11.44
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		17.65	15.45	14.35	16.42	14.14	13.77	13.72	11.87	10.29	9.85	7.50
UMERC (FORMERLY WPSC)		16.56	14.16	12.96	13.21	10.92	11.14	11.04	10.97	9.17	8.74	8.16
AVERAGE INVESTOR OWNED		17.94	15.87	14.93	14.80	13.71	13.30	12.40	11.64	9.92	8.66	8.23

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2019

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.92	14.73	14.14	14.60	13.75	13.87	12.53	11.58	10.19	8.03	8.00
CONSUMERS ENERGY		17.43	15.67	14.79	15.90	14.12	15.71	13.41	12.02	10.58	7.54	6.50
DTE ELECTRIC		18.66	16.98	16.93	14.28	13.16	12.38	12.32	12.45	8.64	7.84	7.56
AEP (I&M) COMBINED		16.36	14.12	13.00	13.42	15.78	13.75	12.49	11.73	9.04	7.82	9.80
NORTHERN STATES POWER		14.97	12.99	11.99	11.99	10.78	11.86	10.69	9.99	11.25	11.16	11.15
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	9.02	7.21	6.06
UMERC (FORMERLY WEPCO)		16.66	14.45	13.35	15.42	13.14	12.77	12.72	10.91	9.35	8.91	6.56
UMERC (FORMERLY WPSC)		15.62	13.22	12.02	12.29	10.00	10.22	10.12	10.06	8.30	7.88	7.29
AVERAGE INVESTOR OWNED		17.56	15.48	14.54	14.44	13.32	12.91	12.01	11.26	9.55	8.30	7.86

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2019

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.92	14.73	14.14	14.60	13.75	13.87	12.53	11.58	10.19	8.03	8.00
CONSUMERS ENERGY		17.43	15.74	14.90	15.83	14.22	16.02	13.67	12.27	10.78	7.68	6.64
DTE ELECTRIC		18.30	16.79	16.84	13.98	13.10	12.37	12.31	12.39	8.74	7.85	7.56
AEP (I&M) COMBINED		16.57	14.34	13.22	13.63	15.99	13.96	12.70	11.94	9.20	7.95	9.94
NORTHERN STATES POWER		14.97	12.99	11.99	11.99	10.78	11.86	10.69	9.99	11.25	11.16	11.15
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	9.02	7.21	6.06
UMERC (FORMERLY WEPCO)		16.51	14.38	13.32	15.33	13.12	12.76	12.72	10.90	9.34	8.91	6.56
UMERC (FORMERLY WPSC)		15.62	13.22	12.02	12.29	10.00	10.22	10.12	10.06	8.30	7.88	7.29
AVERAGE INVESTOR OWNED		17.52	15.48	14.56	14.41	13.35	12.97	12.07	11.30	9.60	8.33	7.90

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2019

		RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.22	13.03	12.44	12.90	12.05	12.17	10.83	9.88	8.49	6.33	6.30
CONSUMERS ENERGY		17.40	15.72	14.88	15.81	14.19	15.99	13.65	12.24	10.76	7.66	6.61
DTE ELECTRIC		18.66	16.98	16.93	14.28	13.16	12.38	12.32	12.45	8.64	7.84	7.56
AEP (I&M) COMBINED		16.57	14.34	13.22	13.63	15.99	13.96	12.70	11.94	9.20	7.95	9.94
NORTHERN STATES POWER		14.97	12.99	11.99	11.99	10.78	11.86	10.69	9.99	11.25	11.16	11.15
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	9.02	7.21	6.06
UMERC (FORMERLY WEPCO)		16.66	14.45	13.35	15.42	13.14	12.77	12.72	10.91	9.35	8.91	6.56
UMERC (FORMERLY WPSC)		15.62	13.22	12.02	12.29	10.00	10.22	10.12	10.06	8.30	7.88	7.29
AVERAGE INVESTOR OWNED		17.37	15.30	14.36	14.24	13.15	12.76	11.86	11.10	9.38	8.12	7.68

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2019

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL			
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		14.22	13.03	12.44	12.90	12.05	12.17	10.83	9.88	8.49	6.33	6.30
CONSUMERS ENERGY		16.23	15.22	15.94	13.29	13.90	18.02	15.25	13.59	9.06	7.50	6.42
DTE ELECTRIC		18.81	17.13	17.09	14.44	13.31	12.53	12.47	12.60	8.79	7.99	7.71
AEP (I&M) COMBINED		16.57	14.34	13.22	13.63	15.99	13.96	12.70	11.94	9.20	7.95	9.94
NORTHERN STATES POWER		14.97	12.99	11.99	11.99	10.78	11.86	10.69	9.99	11.25	11.16	11.15
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		16.61	14.48	13.42	15.43	13.22	12.86	12.82	11.00	9.44	9.01	6.66
UMERC (FORMERLY WPSC)		15.82	13.42	12.22	12.49	10.20	10.42	10.32	10.26	8.50	8.08	7.49
AVERAGE INVESTOR OWNED		17.26	15.28	14.55	13.97	13.16	13.07	12.11	11.32	9.22	8.15	7.72

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2019

	RESIDENTIAL				SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.72	14.54	13.94	14.40	13.55	13.67	12.33	11.38	9.99	7.83	7.80
CONSUMERS ENERGY		17.70	16.01	16.40	16.19	14.58	18.24	15.44	13.77	11.43	9.87	8.79
DTE ELECTRIC		19.08	17.26	17.15	14.50	13.32	12.53	12.47	12.60	8.79	7.99	7.71
AEP (I&M) COMBINED		16.57	14.34	13.22	13.63	15.99	13.96	12.70	11.94	9.20	7.95	9.94
NORTHERN STATES POWER		14.97	12.99	12.00	11.99	10.78	11.86	10.69	9.99	11.25	11.16	11.15
UPPER PENINSULA POWER		24.86	21.68	20.08	17.61	15.87	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		16.76	14.55	13.45	15.52	13.24	12.87	12.82	11.01	9.45	9.01	6.66
UMERC (FORMERLY WPSC)		15.82	13.42	12.22	12.49	10.20	10.42	10.32	10.26	8.50	8.08	7.49
AVERAGE INVESTOR OWNED		17.68	15.60	14.81	14.54	13.44	13.28	12.33	11.53	9.70	8.64	8.20

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2019

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL			
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER		15.72	14.54	13.94	14.40	13.55	13.67	12.33	11.38	9.99	7.83	7.80
CONSUMERS ENERGY		17.84	16.15	16.54	16.33	14.71	18.37	15.58	13.90	11.57	10.01	8.93
DTE ELECTRIC		18.81	17.13	17.09	14.44	13.31	12.53	12.47	12.60	8.79	7.99	7.71
AEP (I&M) COMBINED		16.09	13.85	12.74	13.17	15.54	13.50	12.24	11.49	8.98	7.56	9.94
NORTHERN STATES POWER		14.97	12.99	12.00	11.99	10.78	11.86	10.69	9.99	11.25	11.16	11.15
UPPER PENINSULA POWER		25.48	22.30	20.70	18.40	16.67	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		17.64	15.44	14.34	16.41	14.13	13.76	13.71	11.90	10.33	9.89	7.55
UMERC (FORMERLY WPSC)		16.34	13.94	12.74	12.98	10.69	10.91	10.81	10.75	8.92	8.49	7.91
AVERAGE INVESTOR OWNED		17.86	15.79	15.01	14.76	13.67	13.41	12.46	11.66	9.85	8.77	8.38

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2019

	<u>RESIDENTIAL</u>		SMALL COM	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL	<u>:</u>		
	kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER		15.72	14.54	13.94	14.40	13.55	13.67	12.33	11.38	9.99	7.83	7.80
CONSUMERS ENERGY		17.25	15.56	15.95	15.79	14.18	17.79	15.07	13.45	11.35	9.86	8.80
DTE ELECTRIC		17.19	15.50	15.46	13.32	12.19	11.41	11.35	12.25	8.02	7.22	6.94
AEP (I&M) COMBINED		16.09	13.85	12.74	13.17	15.54	13.50	12.24	11.49	8.98	7.56	9.94
NORTHERN STATES POWER		14.97	12.99	12.00	11.99	10.78	11.86	10.69	9.99	11.25	11.16	11.15
UPPER PENINSULA POWER		25.48	22.30	20.70	18.40	16.67	12.71	11.84	11.31	8.98	7.21	6.06
UMERC (FORMERLY WEPCO)		17.50	15.37	14.30	16.32	14.11	13.75	13.70	11.88	10.33	9.89	7.55
UMERC (FORMERLY WPSC)		16.34	13.94	12.74	12.98	10.69	10.91	10.81	10.75	8.92	8.49	7.91
AVERAGE INVESTOR OWNED		17.57	15.51	14.73	14.55	13.46	13.20	12.25	11.56	9.73	8.65	8.27

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2019

	<u>RESIDENTIAL</u>		SMALL COM	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.72	14.54	13.94	14.40	13.55	13.67	12.33	11.38	9.99	7.83	7.80
CONSUMERS ENERGY	17.35	15.67	14.82	15.80	14.18	15.93	13.65	12.28	10.99	7.95	6.91
DTE ELECTRIC	15.94	14.26	14.16	12.88	11.75	10.98	10.92	11.77	7.76	7.02	6.77
AEP (I&M) COMBINED	16.09	13.85	12.74	13.17	15.54	13.50	12.24	11.49	8.98	7.56	9.94
NORTHERN STATES POWER	15.08	13.10	12.11	12.10	10.89	11.96	10.79	10.09	11.33	11.24	11.23
UPPER PENINSULA POWER	25.15	21.96	20.37	15.51	13.77	14.09	12.48	11.51	7.50	6.80	5.99
UPPER PENINSULA POWER IRON RIVER	24.37	21.18	20.44	15.51	13.77	14.09	12.48	11.51	7.50	6.80	5.99
UMERC (FORMERLY WEPCO)	17.77	15.57	14.47	16.54	14.26	13.89	13.84	11.98	10.40	9.96	7.61
UMERC (FORMERLY WPSC)	16.00	13.60	12.40	13.45	11.16	11.17	11.07	11.01	8.96	8.53	7.95
AVERAGE INVESTOR OWNED	18.16	15.97	15.05	14.37	13.21	13.25	12.20	11.45	9.27	8.19	7.80

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2019

	<u>RESIDENTIAL</u>		SMALL COM	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.72	14.54	13.94	14.40	13.55	13.67	12.33	11.38	9.99	7.83	7.80
CONSUMERS ENERGY	17.39	15.71	14.86	15.84	14.22	15.97	13.69	12.32	11.03	7.99	6.95
DTE ELECTRIC	16.67	14.99	14.89	13.22	12.09	11.31	11.25	11.77	8.04	7.30	7.05
AEP (I&M) COMBINED	16.10	13.86	12.74	13.18	15.54	13.51	12.25	11.49	8.98	7.57	9.94
NORTHERN STATES POWER	15.08	13.10	12.11	12.10	10.89	11.96	10.79	10.09	11.33	11.24	11.23
UPPER PENINSULA POWER	25.15	21.96	20.37	15.51	13.77	14.09	12.48	11.51	7.50	6.80	5.99
UPPER PENINSULA POWER IRON RIVER	24.37	21.18	20.44	15.51	13.77	14.09	12.48	11.51	7.50	6.80	5.99
UMERC (FORMERLY WEPCO)	17.63	15.50	14.43	16.45	14.24	13.88	13.84	11.96	10.39	9.95	7.61
UMERC (FORMERLY WPSC)	16.00	13.60	12.40	13.45	11.16	11.17	11.07	11.01	8.96	8.53	7.95
AVERAGE INVESTOR OWNED	18.23	16.05	15.13	14.40	13.25	13.30	12.24	11.45	9.30	8.22	7.84

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2019

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21,600</u>	100 <u>28,800</u>	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED											
ALPENA POWER	16.14	14.96	14.36	14.80	13.95	13.82	12.48	11.53	10.31	8.06	8.03
CONSUMERS ENERGY	17.44	15.75	14.91	15.88	14.27	16.01	13.73	12.37	11.07	8.03	7.00
DTE ELECTRIC	16.81	15.12	15.03	13.35	12.22	11.44	11.39	11.90	8.17	7.44	7.19
AEP (I&M) COMBINED	16.10	13.86	12.74	13.18	15.54	13.51	12.25	11.49	8.98	7.57	9.94
NORTHERN STATES POWER	15.08	13.10	12.11	12.10	10.89	11.96	10.79	10.09	11.33	11.24	11.23
UPPER PENINSULA POWER	24.87	21.68	20.09	15.23	13.49	13.81	12.20	11.23	7.22	6.52	5.71
UPPER PENINSULA POWER IRON RIVER	24.09	20.90	20.16	15.23	13.49	13.81	12.20	11.23	7.22	6.52	5.71
UMERC (FORMERLY WEPCO)	17.77	15.57	14.47	16.54	14.26	13.89	13.84	11.98	10.40	9.96	7.61
UMERC (FORMERLY WPSC)	16.00	13.60	12.40	13.45	11.16	11.17	11.07	11.01	8.96	8.53	7.95
AVERAGE INVESTOR OWNED	18.25	16.06	15.14	14.42	13.25	13.27	12.22	11.43	9.30	8.21	7.82

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2019

	RESIDENTIAL		SMALL COM	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.84	14.66	14.06	14.51	13.66	13.82	12.48	11.53	10.15	8.00	7.97
CONSUMERS ENERGY	17.49	15.80	14.96	15.93	14.32	16.06	13.78	12.42	11.13	8.08	7.05
DTE ELECTRIC	16.81	15.12	15.03	13.35	12.22	11.44	11.39	11.90	8.17	7.44	7.19
AEP (I&M) COMBINED	16.10	13.86	12.74	13.18	15.54	13.51	12.25	11.49	8.98	7.57	9.94
NORTHERN STATES POWER	14.57	12.59	11.60	11.60	10.38	11.49	10.32	10.09	10.94	10.85	10.84
UPPER PENINSULA POWER	24.66	21.48	19.88	15.02	13.28	13.61	12.00	11.03	7.01	6.32	5.50
UPPER PENINSULA POWER IRON RIVER	23.88	20.69	19.96	15.02	13.28	13.61	12.00	11.03	7.01	6.32	5.50
UMERC (FORMERLY WEPCO)	17.35	15.36	14.36	16.26	14.20	13.87	13.83	11.93	10.37	9.95	7.61
UMERC (FORMERLY WPSC)	16.00	13.60	12.40	13.45	11.16	11.17	11.07	11.01	8.96	8.53	7.95
AVERAGE INVESTOR OWNED	18.08	15.91	15.00	14.26	13.12	13.18	12.12	11.38	9.19	8.12	7.73

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2019

	<u>RESIDENTIAL</u>		SMALL COM	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.84	14.66	14.06	14.51	13.66	13.82	12.48	11.53	10.15	8.00	7.97
CONSUMERS ENERGY	17.13	15.54	14.75	15.33	13.71	14.88	13.49	12.66	10.05	8.11	7.48
DTE ELECTRIC	16.81	15.12	15.03	13.35	12.22	11.44	11.39	11.90	8.17	7.44	7.19
AEP (I&M) COMBINED	16.58	14.34	13.23	14.14	16.00	13.97	12.71	11.95	9.21	7.95	9.94
NORTHERN STATES POWER	15.08	13.10	12.11	12.10	10.89	11.96	10.79	10.09	9.55	9.46	9.45
UPPER PENINSULA POWER	23.46	20.28	18.68	13.82	12.08	12.41	10.80	9.83	5.81	5.12	4.30
UPPER PENINSULA POWER IRON RIVER	22.68	19.49	18.76	13.82	12.08	12.41	10.80	9.83	5.81	5.12	4.30
UMERC (FORMERLY WEPCO)	17.77	15.57	14.47	16.54	14.26	13.89	13.84	11.98	10.40	9.96	7.61
UMERC (FORMERLY WPSC)	16.00	13.60	12.40	13.45	11.16	11.17	11.07	11.01	8.96	8.53	7.95
AVERAGE INVESTOR OWNED	17.93	15.74	14.83	14.12	12.90	12.88	11.93	11.20	8.68	7.74	7.35

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2018

	RESIDENTIAL		SMALL COM	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.14	13.95	13.36	14.10	13.25	13.29	11.95	11.00	9.45	7.29	7.26
CONSUMERS ENERGY	17.30	15.72	14.92	15.35	13.72	14.88	13.46	12.60	9.97	7.87	7.21
DTE ELECTRIC	17.19	15.50	15.41	13.60	12.48	11.72	11.67	11.76	8.16	7.42	7.18
AEP (I&M) COMBINED	16.57	14.33	13.21	13.64	15.99	13.97	12.71	11.95	9.20	7.95	9.94
NORTHERN STATES POWER	14.62	12.63	11.64	11.66	10.45	11.57	10.40	9.70	9.24	9.14	9.13
UPPER PENINSULA POWER	23.46	20.28	18.68	13.82	12.08	12.41	10.80	9.83	5.81	5.12	4.30
UPPER PENINSULA POWER IRON RIVER	22.68	19.49	18.76	13.82	12.08	12.41	10.80	9.83	5.81	5.12	4.30
UMERC (FORMERLY WEPCO)	15.93	13.72	12.62	14.62	12.34	11.97	11.92	10.39	9.00	8.56	6.21
UMERC (FORMERLY WPSC)	14.59	12.19	10.99	12.25	9.96	9.96	9.86	9.80	8.24	7.81	7.23
AVERAGE INVESTOR OWNED	17.50	15.31	14.40	13.65	12.48	12.46	11.51	10.76	8.32	7.36	6.97

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2018

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.14	12.95	12.36	13.10	12.25	12.29	10.95	10.00	8.45	6.29	6.26
CONSUMERS ENERGY	17.14	15.55	14.76	15.19	13.55	14.71	13.29	12.44	9.80	7.71	7.05
DTE ELECTRIC	17.19	15.50	15.41	13.60	12.48	11.72	11.67	11.76	8.16	7.42	7.18
AEP (I&M) COMBINED	16.57	14.33	13.21	13.64	15.99	13.97	12.71	11.95	9.20	7.95	9.94
NORTHERN STATES POWER	14.62	12.63	11.64	11.66	10.45	11.57	10.40	9.70	9.24	9.14	9.13
UPPER PENINSULA POWER	24.16	20.97	19.38	14.59	12.86	12.87	11.26	10.29	6.26	5.57	4.75
UPPER PENINSULA POWER IRON RIVER	23.31	20.12	19.39	14.59	12.86	12.87	11.26	10.29	6.26	5.57	4.75
UMERC (FORMERLY WEPCO)	16.48	14.35	13.29	15.23	13.02	12.66	12.61	11.07	9.69	9.25	6.91
UMERC (FORMERLY WPSC)	14.89	12.49	11.29	12.55	10.26	10.26	10.16	10.10	8.54	8.11	7.53
AVERAGE INVESTOR OWNED	17.61	15.43	14.52	13.79	12.64	12.55	11.59	10.84	8.40	7.45	7.06

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2018

	<b>RESIDENTIAL</b> 250 500 1000		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED											
ALPENA POWER	14.14	12.95	12.36	13.10	12.25	12.29	10.95	10.00	8.45	6.29	6.26
CONSUMERS ENERGY	17.12	15.53	14.74	15.17	13.54	14.70	13.28	12.42	9.78	7.69	7.03
DTE ELECTRIC	17.19	15.50	15.41	13.60	12.48	11.72	11.67	11.76	8.16	7.42	7.18
AEP (I&M) COMBINED	17.43	15.19	14.07	14.50	16.85	14.83	13.57	12.81	10.06	8.81	10.80
NORTHERN STATES POWER	14.62	12.63	11.64	11.66	10.45	11.57	10.40	9.70	9.24	9.14	9.13
UPPER PENINSULA POWER	24.52	21.33	19.74	14.96	13.25	13.25	11.65	10.68	6.65	5.97	5.15
UPPER PENINSULA POWER IRON RIVER	23.67	20.48	19.75	14.96	13.25	13.25	11.65	10.68	6.65	5.97	5.15
UMERC (FORMERLY WEPCO)	16.63	14.42	13.32	15.32	13.04	12.67	12.62	11.09	9.70	9.26	6.91
UMERC (FORMERLY WPSC)	14.85	12.45	11.25	12.52	10.25	10.23	10.14	10.08	8.54	8.11	7.52
AVERAGE INVESTOR OWNED	17.80	15.61	14.70	13.98	12.82	12.72	11.77	11.03	8.58	7.63	7.24

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2018

	RESIDENTIAL           250         500         1,000		SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.94	13.75	13.16	13.60	12.75	12.79	11.45	10.50	9.10	6.85	6.82
CONSUMERS ENERGY	17.12	15.54	16.05	15.56	13.93	16.14	14.49	13.49	10.15	8.48	7.82
DTE ELECTRIC	17.06	15.37	15.27	13.47	12.35	11.59	11.53	11.62	8.03	7.29	7.04
AEP (I&M) COMBINED	17.43	15.19	14.07	14.50	16.85	14.83	13.57	12.81	10.06	8.81	10.80
NORTHERN STATES POWER	14.62	12.63	11.64	11.66	10.45	11.57	10.40	9.70	9.24	9.14	9.13
UPPER PENINSULA POWER	24.52	21.33	19.74	14.96	13.25	13.25	11.65	10.68	6.65	5.97	5.15
UPPER PENINSULA POWER IRON RIVER	23.67	20.48	19.75	14.96	13.25	13.25	11.65	10.68	6.65	5.97	5.15
UMERC (FORMERLY WEPCO)	17.04	14.91	13.85	15.86	13.65	13.30	13.25	11.38	9.80	9.37	7.03
UMERC (FORMERLY WPSC)	15.38	12.98	11.78	12.84	10.57	10.56	10.46	10.41	8.38	7.95	7.36
AVERAGE INVESTOR OWNED	17.97	15.80	15.03	14.16	13.01	13.03	12.05	11.25	8.67	7.76	7.37

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2018

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.94	13.75	13.16	13.60	12.75	12.79	11.45	10.50	9.10	6.85	6.82
CONSUMERS ENERGY	17.33	15.74	15.63	15.77	14.14	16.35	14.70	13.70	10.36	8.69	8.03
DTE ELECTRIC	17.06	15.37	15.27	13.49	12.37	11.61	11.55	11.62	8.03	7.29	7.04
AEP (I&M) COMBINED	17.79	15.56	14.44	14.73	17.20	15.17	13.91	13.16	10.30	9.00	11.08
NORTHERN STATES POWER	14.97	12.98	11.99	11.84	10.76	11.87	10.70	9.99	9.47	9.36	9.35
UPPER PENINSULA POWER	24.52	21.33	19.74	14.96	13.25	13.25	11.65	10.68	6.65	5.97	5.15
UPPER PENINSULA POWER IRON RIVER	23.67	20.48	19.75	14.96	13.25	13.25	11.65	10.68	6.65	5.97	5.15
UMERC (FORMERLY WEPCO)	17.39	15.18	14.08	16.15	13.87	13.50	13.45	11.59	10.01	9.57	7.23
UMERC (FORMERLY WPSC)	15.48	13.08	11.88	12.94	10.67	10.66	10.56	10.51	8.48	8.05	7.46
AVERAGE INVESTOR OWNED	18.13	15.94	15.10	14.27	13.14	13.16	12.18	11.38	8.78	7.86	7.48

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2018

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED											
ALPENA POWER	15.94	14.75	14.16	14.60	13.75	13.79	12.45	11.50	10.07	7.85	7.82
CONSUMERS ENERGY	17.74	16.15	16.67	16.14	14.52	16.80	15.09	14.06	10.93	9.22	8.55
DTE ELECTRIC	17.55	15.86	15.79	13.96	12.83	12.08	12.02	11.80	8.27	7.50	7.23
AEP (I&M) COMBINED	17.79	15.56	14.44	14.73	17.20	15.17	13.91	13.16	10.30	9.00	11.08
NORTHERN STATES POWER	14.97	12.98	11.99	11.83	10.75	11.87	10.70	9.99	9.47	9.36	9.35
UPPER PENINSULA POWER	24.52	21.33	19.74	14.96	13.25	13.25	11.65	10.68	6.65	5.97	5.15
UPPER PENINSULA POWER IRON RIVER	23.67	20.48	19.75	14.96	13.25	13.25	11.65	10.68	6.65	5.97	5.15
UMERC (FORMERLY WEPCO)	17.79	15.58	14.48	16.55	14.27	13.90	13.85	11.99	10.41	9.97	7.63
UMERC (FORMERLY WPSC)	16.04	13.64	12.44	13.50	11.24	11.22	11.13	11.07	9.04	8.62	8.03
AVERAGE INVESTOR OWNED	18.44	16.26	15.49	14.58	13.45	13.48	12.49	11.66	9.09	8.16	7.78

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2018

	RES	SIDENTIA	<u>/L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.94	14.75	14.16	14.60	13.75	13.79	12.45	11.50	10.10	7.85	7.82
CONSUMERS ENERGY	17.76	16.18	16.69	16.17	14.54	16.83	15.12	14.09	10.57	10.21	10.17
DTE ELECTRIC	17.55	15.86	15.79	13.96	12.83	12.08	12.02	11.80	8.27	7.50	7.23
AEP (I&M) COMBINED	17.79	15.56	14.44	14.73	17.20	15.17	13.91	13.16	10.30	9.00	11.08
NORTHERN STATES POWER	14.93	12.95	11.95	11.83	10.75	11.97	10.80	10.09	9.47	9.36	9.35
UPPER PENINSULA POWER	25.20	22.01	20.42	15.71	14.00	13.70	12.10	11.13	7.09	6.40	5.59
UPPER PENINSULA POWER IRON RIVER	24.28	21.09	20.36	15.71	14.00	13.70	12.10	11.13	7.09	6.40	5.59
UMERC (FORMERLY WEPCO)	18.03	15.90	14.83	16.87	14.67	14.31	14.26	12.21	10.58	10.15	7.80
UMERC (FORMERLY WPSC)	16.50	14.10	12.90	13.87	11.60	11.58	11.49	11.43	9.15	8.73	8.14
AVERAGE INVESTOR OWNED	18.66	16.49	15.73	14.83	13.70	13.68	12.69	11.84	9.18	8.40	8.09

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2018

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	16.27	15.09	14.50	14.91	14.07	14.07	12.66	11.68	10.23	7.92	7.89
CONSUMERS ENERGY	17.81	16.22	15.43	15.82	14.20	15.43	13.95	13.07	10.64	8.95	8.29
DTE ELECTRIC	17.81	16.13	16.05	14.08	12.96	12.20	12.15	11.59	8.22	7.40	7.12
AEP (I&M) COMBINED	15.38	13.15	12.03	14.61	12.44	11.52	10.71	10.21	9.17	8.64	10.14
NORTHERN STATES POWER	14.65	12.72	11.75	11.99	10.91	12.19	11.01	10.31	9.93	9.82	9.81
UPPER PENINSULA POWER	25.20	22.01	20.42	15.71	14.00	13.70	12.10	11.13	7.09	6.40	5.59
UPPER PENINSULA POWER IRON RIVER	24.28	21.09	20.36	15.71	14.00	13.70	12.10	11.13	7.09	6.40	5.59
UMERC (FORMERLY WEPCO)	18.17	15.97	14.87	16.96	14.68	14.31	14.26	12.03	10.44	10.02	7.68
UMERC (FORMERLY WPSC)	16.50	14.10	12.90	13.87	11.60	11.58	11.49	11.43	9.15	8.73	8.14
AVERAGE INVESTOR OWNED	18.45	16.27	15.37	14.85	13.21	13.19	12.27	11.40	9.11	8.25	7.80

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2018

	RES	SIDENTIA	<u>/L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	16.27	15.09	14.50	14.91	14.07	14.07	12.66	11.68	10.23	7.92	7.89
CONSUMERS ENERGY	17.86	16.27	15.48	15.88	14.25	15.48	14.00	13.11	10.69	8.99	8.34
DTE ELECTRIC	18.13	16.31	16.16	14.04	12.95	12.30	12.26	11.70	8.38	7.54	7.26
AEP (I&M) COMBINED	15.38	13.15	12.03	14.61	12.44	11.52	10.71	10.21	9.17	8.64	10.14
NORTHERN STATES POWER	14.65	12.72	11.75	11.99	10.91	12.19	11.01	10.31	9.93	9.82	9.81
UPPER PENINSULA POWER	25.73	22.54	20.95	16.24	14.52	14.23	12.62	11.66	7.61	6.93	6.11
UPPER PENINSULA POWER IRON RIVER	24.80	21.62	20.88	16.24	14.52	14.23	12.62	11.66	7.61	6.93	6.11
UMERC (FORMERLY WEPCO)	18.33	16.20	15.13	17.17	14.97	14.61	14.56	12.32	10.73	10.32	7.98
UMERC (FORMERLY WPSC)	16.16	13.76	12.56	14.33	12.06	11.84	11.75	11.69	9.19	8.77	8.18
AVERAGE INVESTOR OWNED	18.59	16.41	15.49	15.04	13.41	13.39	12.47	11.59	9.28	8.43	7.98

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2018

	RES	SIDENTIA	<u>/L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	16.27	15.09	14.50	14.91	14.07	14.07	12.66	11.68	10.23	7.92	7.89
CONSUMERS ENERGY	18.11	16.52	15.73	16.34	14.71	14.94	13.71	12.97	10.58	9.51	8.53
DTE ELECTRIC	17.85	16.17	16.09	14.04	12.95	12.30	12.26	11.70	8.39	7.54	7.26
AEP (I&M) COMBINED	15.35	13.11	11.99	14.47	12.41	11.52	10.70	10.21	9.11	8.63	10.14
NORTHERN STATES POWER	14.65	12.72	11.75	11.99	10.91	12.19	11.01	10.31	9.93	9.82	9.81
UPPER PENINSULA POWER	25.96	22.77	21.18	16.32	14.54	14.27	12.65	11.68	7.60	6.93	6.11
UPPER PENINSULA POWER IRON RIVER	25.03	21.85	21.11	16.32	14.54	14.27	12.65	11.68	7.60	6.93	6.11
UMERC (FORMERLY WEPCO)	18.47	16.27	15.17	17.26	14.98	14.61	14.56	12.33	10.74	10.32	7.98
UMERC (FORMERLY WPSC)	16.16	13.76	12.56	14.33	12.06	11.84	11.75	11.69	9.19	8.77	8.18
AVERAGE INVESTOR OWNED	18.65	16.47	15.56	15.11	13.46	13.33	12.44	11.59	9.26	8.48	8.00

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2018

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	16.27	15.09	14.50	14.91	14.07	14.07	12.66	11.68	10.23	7.92	7.89
CONSUMERS ENERGY	18.03	16.44	15.65	16.26	14.63	14.85	13.63	12.89	10.49	9.42	8.44
DTE ELECTRIC	17.73	16.05	15.97	13.91	12.83	12.18	12.13	11.58	8.26	7.41	7.14
AEP (I&M) COMBINED	15.42	13.19	12.07	14.52	12.42	11.52	10.70	10.21	9.15	8.63	10.14
NORTHERN STATES POWER	14.14	12.21	11.24	11.47	10.39	11.56	10.39	10.20	9.52	9.41	9.40
UPPER PENINSULA POWER	25.96	22.77	21.18	16.32	14.54	14.27	12.65	11.68	7.60	6.93	6.11
UPPER PENINSULA POWER IRON RIVER	25.03	21.85	21.11	16.32	14.54	14.27	12.65	11.68	7.60	6.93	6.11
UMERC (FORMERLY WEPCO)	18.11	16.12	15.13	17.06	15.00	14.66	14.62	12.35	10.78	10.39	8.05
UMERC (FORMERLY WPSC)	16.16	13.76	12.56	14.33	12.06	11.84	11.75	11.69	9.19	8.77	8.18
AVERAGE INVESTOR OWNED	18.54	16.39	15.49	15.01	13.39	13.25	12.35	11.55	9.20	8.42	7.94

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2018

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	16.27	15.09	14.50	14.91	14.07	14.07	12.66	11.68	10.23	8.80	8.78
CONSUMERS ENERGY	18.16	16.57	15.78	16.32	14.68	14.86	13.67	12.95	10.52	9.56	8.59
DTE ELECTRIC	17.72	16.03	15.96	13.90	12.81	12.17	12.12	11.57	8.25	7.40	7.12
AEP (I&M) COMBINED	15.33	13.09	11.97	14.40	12.40	11.52	10.70	10.21	9.11	8.63	10.14
NORTHERN STATES POWER	14.65	12.72	11.75	11.99	10.91	12.19	11.01	10.31	9.93	9.82	9.81
UPPER PENINSULA POWER	25.96	22.77	21.18	16.32	14.54	14.27	12.65	11.68	7.60	6.93	6.11
UPPER PENINSULA POWER IRON RIVER	25.03	21.85	21.11	16.32	14.54	14.27	12.65	11.68	7.60	6.93	6.11
UMERC (FORMERLY WEPCO)	18.54	16.34	15.23	17.33	15.05	14.68	14.63	12.50	10.81	10.39	8.05
UMERC (FORMERLY WPSC)	16.16	13.76	12.56	14.33	12.06	11.84	11.75	11.69	9.19	8.77	8.18
AVERAGE INVESTOR OWNED	18.65	16.47	15.56	15.09	13.45	13.32	12.43	11.59	9.25	8.58	8.10

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2017

	RESIDENTIAL			SMALL COM	MERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	;	100 21,600	100 28,800	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER	15.35	14.16	13.57	13.88	13.02		13.37	12.09	11.20	9.33	7.53	6.94
CONSUMERS ENERGY	15.90	15.01	14.56	13.53	11.91		12.34	11.14	10.43	9.65	9.01	8.04
DTE ELECTRIC	16.91	15.22	15.15	13.31	12.22		11.57	11.52	11.36	7.84	6.99	6.73
AEP (I&M) COMBINED	14.58	12.34	11.23	13.66	11.65		10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.27	13.33	12.36	12.60	11.52		12.69	11.52	10.81	10.54	10.43	10.42
UPPER PENINSULA POWER	28.03	24.84	23.25	18.39	16.62		16.35	14.73	13.76	9.68	9.00	8.19
UPPER PENINSULA POWER IRON RIVER	27.11	23.92	23.19	18.39	16.62		16.35	14.73	13.76	9.68	9.00	8.19
UMERC (FORMERLY WEPCO)	18.03	15.83	14.73	16.91	14.52		14.13	14.08	11.94	10.28	9.83	7.49
UMERC (FORMERLY WPSC)	16.06	13.66	12.46	14.21	11.95		11.73	11.64	11.59	9.09	8.66	8.07
AVERAGE INVESTOR OWNED	18.58	16.48	15.61	14.99	13.34		13.25	12.38	11.59	9.38	8.71	8.16

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2017

	RES	SIDENTIA	<u>\L</u>	SMALL COM	IMERCIAL	<u>L</u>	ARGE	COMMER	CIAL		INDUSTRIAL	1
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	<u>21</u>	100 600	100 28,800	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER	15.13	13.94	13.35	13.66	12.80	1	3.15	11.87	10.98	9.11	7.31	6.72
CONSUMERS ENERGY	17.09	15.50	14.71	15.24	13.60	1	3.78	12.59	11.87	9.44	8.81	7.84
DTE ELECTRIC	16.91	15.22	15.15	13.31	12.22	1	1.57	11.52	11.36	7.84	6.99	6.73
AEP (I&M) COMBINED	14.58	12.34	11.23	13.66	11.65	1	0.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.27	13.33	12.36	12.60	11.52	1	2.69	11.52	10.81	10.54	10.43	10.42
UPPER PENINSULA POWER	28.00	24.81	23.22	18.38	16.61	1	6.34	14.73	13.76	9.69	9.00	8.19
UPPER PENINSULA POWER IRON RIVER	27.08	23.89	23.16	18.38	16.61	1	6.34	14.73	13.76	9.69	9.00	8.19
UMERC (FORMERLY WEPCO)	18.17	16.03	14.97	17.09	14.78	1	4.40	14.35	12.20	10.55	10.11	7.77
UMERC (FORMERLY WPSC)	15.96	13.56	12.36	14.11	11.85	1	1.63	11.54	11.48	8.99	8.56	7.97
AVERAGE INVESTOR OWNED	18.69	16.51	15.61	15.16	13.52	1	3.41	12.53	11.74	9.36	8.68	8.13

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2017

	RESIDENTIAL			SMALL COM	IMERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	250	500	1,000	5 1,000	25 5,000	2	100 21,600	100 28,800	100 36,000	1,000 432,000	10,000 4,320,000	50,000 21,600,000
INVESTOR OWNED						_						<u> </u>
ALPENA POWER	15.13	13.94	13.35	13.66	12.80		13.15	11.87	10.98	9.11	7.31	6.72
CONSUMERS ENERGY	17.27	15.68	14.89	15.42	13.78		13.96	12.77	12.05	9.62	8.99	8.02
DTE ELECTRIC	16.50	14.81	14.74	12.98	11.90		11.25	11.20	11.09	7.65	6.80	6.54
AEP (I&M) COMBINED	14.58	12.34	11.23	13.66	11.65		10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.27	13.33	12.36	12.60	11.52		12.69	11.52	10.81	10.54	10.43	10.42
UPPER PENINSULA POWER	28.00	24.81	23.22	18.38	16.61		16.34	14.73	13.76	9.69	9.00	8.19
UPPER PENINSULA POWER IRON RIVER	27.08	23.89	23.16	18.38	16.61		16.34	14.73	13.76	9.69	9.00	8.19
UMERC (FORMERLY WEPCO)	18.31	16.11	15.00	17.19	14.80		14.41	14.35	12.22	10.56	10.11	7.77
UMERC (FORMERLY WPSC)	15.85	13.45	12.25	14.01	11.75		11.52	11.43	11.38	8.88	8.46	7.86
AVERAGE INVESTOR OWNED	18.66	16.49	15.58	15.14	13.49		13.38	12.51	11.72	9.35	8.67	8.12

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2017

	RES	SIDENTIA	<u>\L</u>	SMALL COM	MERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	<u>2</u>	100 1,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	14.91	13.72	13.13	13.44	12.58		12.93	11.65	10.76	8.89	7.09	6.50
CONSUMERS ENERGY	16.99	15.41	15.93	15.38	13.74		14.85	13.42	12.57	9.87	9.23	8.26
DTE ELECTRIC	17.16	15.48	15.40	13.43	12.35		11.70	11.65	11.09	7.91	7.07	6.80
AEP (I&M) COMBINED	14.58	12.34	11.23	13.66	11.65		10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.28	13.34	12.37	12.61	11.52		12.69	11.52	10.81	10.54	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	18.58	16.89		16.34	14.72	13.75	10.26	9.57	8.76
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.58	16.89		16.34	14.72	13.75	10.26	9.57	8.76
UMERC (FORMERLY WEPCO)	18.04	15.91	14.84	16.96	14.65		14.27	14.22	12.07	10.42	9.98	7.64
UMERC (FORMERLY WPSC)	15.85	13.45	12.25	14.01	11.75		11.52	11.43	11.38	8.88	8.46	7.86
AVERAGE INVESTOR OWNED	18.44	16.31	15.56	15.18	13.56		13.49	12.59	11.74	9.49	8.82	8.27

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2017

	RES	SIDENTIA	<u>NL</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.92	13.73	13.13	13.44	12.59	12.93	11.65	10.76	8.89	7.09	6.50
CONSUMERS ENERGY	17.00	15.41	15.93	15.29	13.64	14.71	13.32	12.48	9.78	9.23	8.26
DTE ELECTRIC	17.38	15.68	15.61	13.64	12.55	11.90	11.85	11.30	8.12	7.27	7.00
AEP (I&M) COMBINED	14.59	12.35	11.23	13.66	11.65	10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.33	13.39	12.42	12.55	11.51	12.70	11.52	10.82	10.53	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	18.58	16.89	16.34	14.72	13.75	10.26	9.57	8.76
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.58	16.89	16.34	14.72	13.75	10.26	9.57	8.76
UMERC (FORMERLY WEPCO)	18.07	15.87	14.77	16.95	14.56	14.17	14.12	11.98	10.32	9.87	7.53
UMERC (FORMERLY WPSC)	15.85	13.45	12.25	14.01	11.75	11.52	11.43	11.38	8.88	8.46	7.86
AVERAGE INVESTOR OWNED	18.47	16.33	15.58	15.19	13.56	13.49	12.59	11.74	9.49	8.83	8.28

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2017

	RES	SIDENTIA	<u>\L</u>	SMALL COM	MERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	2	100 21,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED												
ALPENA POWER	14.70	13.51	12.91	13.22	12.37		12.71	11.43	10.54	8.67	6.87	6.28
CONSUMERS ENERGY	17.18	15.58	16.10	15.34	13.81		14.88	13.49	12.66	9.96	9.40	8.44
DTE ELECTRIC	17.38	15.68	15.61	13.64	12.55		11.90	11.85	11.30	8.12	7.27	7.00
AEP (I&M) COMBINED	14.59	12.35	11.23	13.66	11.65		10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.33	13.39	12.42	12.55	11.51		12.70	11.52	10.82	10.53	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	18.58	16.89		16.34	14.72	13.75	10.26	9.57	8.76
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.58	16.89		16.34	14.72	13.75	10.26	9.57	8.76
UMERC (FORMERLY WEPCO)	18.22	16.02	14.92	17.10	14.71		14.32	14.27	12.14	10.47	10.03	7.68
UMERC (FORMERLY WPSC)	15.85	13.45	12.25	14.01	11.75		11.52	11.43	11.38	8.88	8.46	7.86
AVERAGE INVESTOR OWNED	18.48	16.34	15.60	15.19	13.57		13.50	12.60	11.76	9.50	8.84	8.29

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2017

	RES	SIDENTIA	<u>.L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.48	13.29	12.69	13.00	12.15	12.49	11.21	10.32	8.45	6.65	6.06
CONSUMERS ENERGY	17.22	15.63	16.15	15.51	13.86	14.93	13.54	12.70	10.01	9.45	8.48
DTE ELECTRIC	17.38	15.68	15.61	13.64	12.55	11.90	11.85	11.30	8.12	7.27	7.00
AEP (I&M) COMBINED	14.59	12.35	11.23	13.66	11.65	10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.33	13.39	12.42	12.55	11.51	12.70	11.52	10.82	10.53	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	14.75	13.06	14.93	13.31	12.34	8.07	7.38	6.57
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	14.75	13.06	14.93	13.31	12.34	8.07	7.38	8.76
UMERC (FORMERLY WEPCO)	18.02	15.89	14.82	16.94	14.63	14.25	14.20	12.06	10.41	9.96	7.62
UMERC (FORMERLY WPSC)	15.85	13.45	12.25	14.01	11.75	11.52	11.43	11.38	8.88	8.46	7.86
AVERAGE INVESTOR OWNED	18.44	16.31	15.57	14.31	12.69	13.16	12.26	11.41	8.99	8.32	8.02

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2017

	RES	SIDENTIA	<u>/L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED											
ALPENA POWER	14.48	13.29	12.69	13.00	12.15	12.49	11.21	10.32	8.45	6.65	6.06
CONSUMERS ENERGY	17.10	15.51	14.71	15.19	13.53	13.73	12.57	11.88	9.59	9.04	8.07
DTE ELECTRIC	18.44	16.74	16.66	14.51	13.42	12.78	12.73	12.04	8.73	7.88	7.62
AEP (I&M) COMBINED	14.59	12.35	11.23	13.66	11.65	10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.33	13.39	12.42	12.55	11.51	12.70	11.52	10.82	10.53	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	18.58	16.89	12.08	11.53	11.20	10.26	9.57	8.76
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.58	16.89	12.08	11.53	11.20	10.26	9.57	8.76
UMERC (FORMERLY WEPCO)	18.33	16.13	15.03	17.21	14.82	14.43	14.38	12.24	10.58	10.13	7.79
UMERC (FORMERLY WPSC)	15.85	13.45	12.25	14.01	11.75	11.52	11.43	11.38	8.88	8.46	7.86
AVERAGE INVESTOR OWNED	18.58	16.44	15.55	15.25	13.62	12.51	11.87	11.17	9.52	8.85	8.30

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2017

	RESIDENTIAL			SMALL COM	MERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	<u>2</u>	100 21,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	14.48	13.29	12.69	13.00	12.15		12.49	11.21	10.32	8.45	6.65	6.06
CONSUMERS ENERGY	17.06	15.47	14.68	15.15	13.49		13.70	12.54	11.84	9.56	9.00	8.04
DTE ELECTRIC	17.62	15.93	15.85	13.88	12.79		12.15	12.10	11.54	8.36	7.51	7.25
AEP (I&M) COMBINED	14.59	12.35	11.23	13.66	11.65		10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.33	13.39	12.42	12.55	11.51		12.70	11.52	10.82	10.53	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	18.58	16.89		12.08	11.53	11.20	10.26	9.57	8.76
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.58	16.89		12.08	11.53	11.20	10.26	9.57	8.76
UMERC (FORMERLY WEPCO)	18.28	16.15	15.08	17.20	14.89		14.51	14.46	12.32	10.67	10.22	7.88
UMERC (FORMERLY WPSC)	14.78	12.38	11.18	13.08	10.82		10.55	10.46	10.41	8.51	8.10	7.51
AVERAGE INVESTOR OWNED	18.36	16.23	15.34	15.08	13.45		12.34	11.70	11.01	9.44	8.78	8.23

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2017

	RESIDENTIAL			SMALL COM	MERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	<u> </u>	100 21,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	14.48	13.29	12.69	13.00	12.15		12.49	11.21	10.32	8.45	6.65	6.06
CONSUMERS ENERGY	17.83	16.24	15.44	15.91	14.25		14.36	13.20	12.50	10.02	9.13	8.17
DTE ELECTRIC	17.62	15.93	15.85	13.88	12.79		12.15	12.10	11.54	8.36	7.51	7.25
AEP (I&M) COMBINED	14.59	12.35	11.23	13.66	11.65		10.77	9.95	9.46	8.36	7.94	9.39
NORTHERN STATES POWER	15.33	13.39	12.42	12.55	11.51		12.70	11.52	10.82	10.53	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	18.58	16.89		12.08	11.53	11.20	10.26	9.57	8.76
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.58	16.89		12.08	11.53	11.20	10.26	9.57	8.76
UMERC (FORMERLY WEPCO)	18.42	16.22	15.12	17.30	14.91		14.52	14.47	12.34	10.67	10.23	7.88
UMERC (FORMERLY WPSC)	15.23	12.83	11.63	13.52	11.26		11.00	10.91	10.85	8.96	8.54	7.96
AVERAGE INVESTOR OWNED	18.51	16.37	15.48	15.22	13.59		12.46	11.82	11.14	9.54	8.84	8.29

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2017

	RESIDENTIAL			SMALL COM	MERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	;	100 21,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	14.48	13.29	12.69	13.00	12.15		12.49	11.21	10.32	8.45	6.65	6.06
CONSUMERS ENERGY	17.37	15.78	14.98	15.83	14.17		14.39	13.23	12.54	9.37	8.58	7.45
DTE ELECTRIC	17.77	16.38	16.44	13.73	12.84		12.23	12.19	10.97	8.33	7.58	7.38
AEP (I&M) COMBINED	14.60	12.36	11.23	13.67	11.66		10.77	9.96	9.47	8.37	7.94	9.39
NORTHERN STATES POWER	15.33	13.39	12.42	12.55	11.51		12.70	11.52	10.82	10.53	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	18.58	16.89		12.08	11.53	11.20	10.26	9.57	8.76
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.58	16.89		12.08	11.53	11.20	10.26	9.57	8.76
UMERC (FORMERLY WEPCO)	18.34	16.35	15.36	17.36	15.20		14.84	14.80	12.62	10.99	10.57	8.22
UMERC (FORMERLY WPSC)	15.29	12.89	11.69	13.58	11.32		11.05	10.96	10.91	9.01	8.60	8.01
AVERAGE INVESTOR OWNED	18.48	16.39	15.53	15.21	13.62		12.52	11.88	11.12	9.51	8.83	8.27

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2017

	RES	SIDENTIA	<u>\L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.48	13.29	12.69	13.00	12.15	12.49	11.21	10.32	8.45	6.65	6.06
CONSUMERS ENERGY	17.30	15.70	14.91	15.76	14.10	14.32	13.16	12.46	9.30	8.51	7.38
DTE ELECTRIC	17.77	16.38	16.44	13.73	12.84	12.23	12.19	10.97	8.33	7.58	7.38
AEP (I&M) COMBINED	14.60	12.36	11.23	13.67	11.66	10.77	9.96	9.47	8.37	7.94	9.39
NORTHERN STATES POWER	15.33	13.39	12.42	12.55	11.51	12.70	11.52	10.82	10.53	10.43	10.42
UPPER PENINSULA POWER	27.01	24.01	22.51	18.58	16.89	12.08	11.53	11.20	10.26	9.57	8.76
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.58	16.89	12.08	11.53	11.20	10.26	9.57	8.76
UMERC (FORMERLY WEPCO)	18.77	16.56	15.46	17.64	15.25	14.86	14.81	12.68	11.02	10.57	8.22
UMERC (FORMERLY WPSC)	15.29	12.89	11.69	13.58	11.32	11.05	10.96	10.91	9.01	8.60	8.01
AVERAGE INVESTOR OWNED	18.52	16.41	15.53	15.23	13.62	12.51	11.88	11.11	9.50	8.82	8.27

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2016

	RES	SIDENTIA	<u>.L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.47	13.28	12.69	13.00	12.14	12.49	11.21	10.32	8.45	6.66	6.06
CONSUMERS ENERGY	16.35	14.76	13.96	14.81	13.16	13.37	12.21	11.52	8.35	7.56	6.43
DTE ELECTRIC	17.80	16.41	16.46	13.77	12.88	12.26	12.22	11.00	8.36	7.61	7.41
AEP (I&M) COMBINED	14.37	12.13	11.01	13.26	11.45	10.60	9.79	9.30	8.26	7.79	9.23
NORTHERN STATES POWER	14.93	12.99	12.02	12.16	11.11	12.30	11.13	10.42	10.13	10.03	10.03
UPPER PENINSULA POWER	27.41	24.41	22.91	18.98	17.29	12.48	11.93	11.60	10.66	9.97	9.15
UPPER PENINSULA POWER IRON RIVER	26.51	23.51	22.82	18.98	17.29	12.48	11.93	11.60	10.66	9.97	9.15
WISCONSIN ELECTRIC	17.92	15.71	14.61	16.79	14.40	14.01	13.96	11.83	10.17	9.72	7.37
WISCONSIN PUBLIC SERVICE	15.04	12.64	11.44	13.33	11.07	10.81	10.72	10.66	8.77	8.35	7.77
AVERAGE INVESTOR OWNED	18.31	16.20	15.32	15.01	13.42	12.31	11.68	10.92	9.31	8.63	8.07

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2016

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.47 16.71 17.80 13.52 14.93 27.41 26.51 17.97 15.04	13.28 15.12 16.41 11.70 12.99 24.41 23.51 15.84 12.64	12.69 14.33 16.46 10.80 12.02 22.91 22.82 14.78 11.44	13.00 15.17 13.77 11.63 12.16 18.98 18.98 16.90 13.33	12.14 13.52 12.88 11.21 11.11 17.29 17.29 14.58 11.07	12.49 13.73 12.26 10.55 12.30 12.48 12.48 14.21	11.21 12.58 12.22 9.75 11.13 11.93 14.16 10.72	10.32 11.88 11.00 9.27 10.42 11.60 11.60 12.01 10.66	8.45 8.72 8.36 8.22 10.13 10.66 10.66 10.36 8.77	6.66 7.92 7.61 7.78 10.03 9.97 9.97 9.92 8.35	6.06 6.79 7.41 9.23 10.03 9.15 9.15 7.57
COOPERATIVES THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	16.48 18.26 16.37 17.68	13.89 16.21 13.97 15.52	12.60 15.36 12.77 14.56	12.36 14.88 14.42 14.74	10.90 13.46 13.08 13.34	13.04 12.37 12.39 12.37	11.59 11.73 11.05 11.52	10.73 10.97 11.26 11.06	8.00 9.37 9.78 9.49	8.69 8.68	8.13 8.18

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2016

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
<u>INVESTOR OWNED</u> ALPENA POWER	14.47	13.28	12.69	13.00	12.14	12.49	11.21	10.32	8.45	6.66	6.06
CONSUMERS ENERGY	16.89	15.30	14.50	15.35	13.69	13.91	12.75	12.06	8.89	8.10	6.97
DTE ELECTRIC	17.80	16.41	16.46	13.77	12.88	12.26	12.22	11.00	8.36	7.61	7.41
AEP (I&M) COMBINED	13.52	11.70	10.80	11.63	11.21	10.55	9.75	9.27	8.22	7.78	9.23
NORTHERN STATES POWER	14.93	12.99	12.02	12.16	11.11	12.30	11.13	10.42	10.13	10.03	10.03
UPPER PENINSULA POWER	27.01	24.01	22.51	18.60	16.89	12.09	11.54	11.21	10.27	9.57	8.75
UPPER PENINSULA POWER IRON RIVER	26.11	23.11	22.42	18.60	16.89	12.09	11.54	11.21	10.27	9.57	8.75
WISCONSIN ELECTRIC	18.21	16.00	14.90	17.09	14.70	14.30	14.25	12.12	10.46	10.01	7.67
WISCONSIN PUBLIC SERVICE	15.04	12.64	11.44	13.33	11.07	10.81	10.72	10.66	8.77	8.35	7.77
<u>COOPERATIVES</u>											
THUMB	16.48	13.89	12.60	12.36	10.90	13.04	11.59	10.73	8.00		
AVERAGE INVESTOR OWNED	18.22	16.16	15.30	14.83	13.40	12.31	11.68	10.92	9.31	8.63	8.07
AVERAGE COOPERATIVE	16.37	13.97	12.77	14.42	13.08	12.39	11.05	11.26	9.78		
AVERAGE ALL COMPANIES	17.65	15.49	14.52	14.71	13.30	12.34	11.49	11.02	9.46	8.63	8.12

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2016

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.47	13.28	12.69	13.00	12.14	12.49	11.21	10.32	8.45	6.66	6.06
CONSUMERS ENERGY	17.13	15.54	16.35	16.34	14.68	15.08	13.69	12.85	9.81	9.02	7.89
DTE ELECTRIC	16.72	15.33	15.38	13.51	12.62	12.00	11.95	10.74	8.09	7.35	7.15
AEP (I&M) COMBINED	13.52	11.71	10.80	11.46	11.22	10.55	9.75	9.27	8.23	8.46	9.91
NORTHERN STATES POWER	14.93	12.99	12.02	12.16	11.11	12.30	11.13	10.42	10.13	10.03	10.03
UPPER PENINSULA POWER	26.37	23.97	22.77	19.87	18.24	16.84	15.22	14.26	10.97	10.27	9.44
UPPER PENINSULA POWER IRON RIVER	24.93	22.53	21.98	19.87	18.24	16.84	15.22	14.26	10.97	10.27	9.44
WISCONSIN ELECTRIC	18.16	16.03	14.96	17.08	14.77	14.39	14.34	12.20	10.55	10.10	7.76
WISCONSIN PUBLIC SERVICE	15.01	12.61	11.41	13.30	11.04	10.78	10.69	10.63	8.74	8.32	7.74
COOPERATIVES											
THUMB	16.48	13.89	12.60	12.36	10.90	13.04	11.59	10.73	8.00		
AVERAGE INVESTOR OWNED	17.92	16.00	15.37	15.18	13.79	13.47	12.58	11.66	9.55	8.94	8.38
AVERAGE COOPERATIVE	16.37	13.97	12.77	14.42	13.08	12.39	11.05	11.26	9.78		
AVERAGE ALL COMPANIES	17.44	15.37	14.57	14.94	13.57	13.14	12.11	11.54	9.62	8.91	8.40

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2016

	RESIDENTIAL		SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
<u>INVESTOR OWNED</u> ALPENA POWER	14.48	13.29	12.69	13.00	12.15	12.49	11.21	10.32	8.45	6.66	6.06
CONSUMERS ENERGY	16.56	14.97	15.78	15.76	14.12	14.60	13.21	12.38	9.47	8.68	7.55
DTE ELECTRIC AEP (I&M) COMBINED	17.54 13.53	16.15 11.71	16.20 10.80	13.51 11.46	12.62 11.22	12.00 10.55	11.95 9.75	10.87 9.27	8.09 8.23	7.35 8.46	7.15 9.91
NORTHERN STATES POWER	15.05	13.10	12.13	12.32	11.15	12.24	11.08	10.39	10.11	10.03	10.03
UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	26.77 25.33	24.37 22.93	23.17 21.73	20.27 20.27	18.64 18.64	17.24 17.24	15.62 15.62	14.66 14.66	11.37 11.37	10.67 10.67	9.84 9.84
WISCONSIN ELECTRIC	18.52	16.32	15.22	17.40	15.01	14.62	14.57	12.44	10.77	10.33	7.98
WISCONSIN PUBLIC SERVICE	14.35	11.95	10.75	12.64	10.37	10.11	10.01	9.96	8.06	7.64	7.06
COOPERATIVES											
THUMB	16.49	13.90	12.60	12.37	10.90	13.04	11.59	10.73	8.00		
AVERAGE INVESTOR OWNED	18.02	16.09	15.39	15.18	13.77	13.45	12.56	11.66	9.55	8.94	8.38
AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	16.37 17.51	13.97 15.44	12.77 14.58	14.42 14.95	13.08 13.56	12.39 13.13	11.05 12.10	11.26 11.54	9.78 9.62	8.91	8.40
AVERAGE ALL COMPANIES	17.51	15.44	14.58	14.95	13.50	13.13	12.10	11.54	9.02	8.91	8.40

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2016

	RESIDENTIAL		SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
<u>INVESTOR OWNED</u> ALPENA POWER	14.75	13.56	12.96	13.27	12.42	12.76	11.48	10.59	8.72	6.93	6.33
CONSUMERS ENERGY	16.25	14.66	15.47	15.44	13.78	14.27	12.88	12.05	9.20	8.41	7.28
DTE ELECTRIC	16.73	15.33	15.39	12.88	11.99	11.37	11.32	10.24	7.72	6.98	6.78
AEP (I&M) COMBINED	13.53	11.71	10.80	11.46	11.22	10.55	9.75	9.27	8.23	8.46	9.91
NORTHERN STATES POWER	15.05	13.10	12.13	12.32	11.15	12.24	11.08	10.39	10.11	10.03	10.03
UPPER PENINSULA POWER	26.77	24.37	23.17	20.27	18.64	17.24	15.62	14.66	11.37	10.67	9.84
UPPER PENINSULA POWER IRON RIVER	25.33	22.93	21.73	20.27	18.64	17.24	15.62	14.66	11.37	10.67	9.84
WISCONSIN ELECTRIC	18.52	16.32	15.22	17.40	15.01	14.62	14.57	12.44	10.77	10.33	7.98
WISCONSIN PUBLIC SERVICE	14.35	11.95	10.75	12.64	10.37	10.11	10.01	9.96	8.06	7.64	7.06
<u>COOPERATIVES</u>											
THUMB	16.49	13.90	12.60	12.37	10.90	13.04	11.59	10.73	8.00		
AVERAGE INVESTOR OWNED	17.92	15.99	15.29	15.11	13.69	13.38	12.48	11.58	9.51	8.90	8.34
AVERAGE COOPERATIVE	16.28	13.88	12.69	14.33	12.99	12.33	10.99	10.28	9.73		
AVERAGE ALL COMPANIES	17.42	15.34	14.49	14.87	13.48	13.06	12.02	11.18	9.58	8.87	8.36

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2016

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED	44.75	40.50	40.00	40.07	40.40	40.70	44.40	40.50	0.70	0.00	0.00
ALPENA POWER CONSUMERS ENERGY	14.75 16.34	13.56 14.74	12.96 15.55	13.27 15.52	12.42 13.86	12.76 14.36	11.48 12.97	10.59 12.13	8.72 9.29	6.93 8.49	6.33 7.37
DTE ELECTRIC	16.86	15.46	15.55	13.01	12.11	11.50	12.97	12.13	9.29 7.85	7.10	7.37 6.91
AEP (I&M) COMBINED	13.53	11.71	10.80	11.46	11.22	10.55	9.75	9.27	8.23	7.79	9.24
NORTHERN STATES POWER	15.05	13.10	12.13	12.32	11.15	12.24	11.08	10.39	10.11	10.03	10.03
UPPER PENINSULA POWER	26.77	24.37	23.17	20.27	18.64	17.24	15.62	14.66	11.37	10.67	9.84
UPPER PENINSULA POWER IRON RIVER	25.33	22.93	21.73	20.27	18.64	17.24	15.62	14.66	11.37	10.67	9.84
WISCONSIN ELECTRIC	18.38	16.25	15.18	17.30	14.99	14.61	14.56	12.42	10.77	10.32	7.98
WISCONSIN PUBLIC SERVICE	14.35	11.95	10.75	12.64	10.37	10.11	10.01	9.96	8.06	7.64	7.06
COOPERATIVES											
THUMB	16.49	13.90	12.60	12.37	10.90	13.04	11.59	10.73	8.00		
AVERAGE INVESTOR OWNED	17.93	16.01	15.31	15.12	13.71	13.40	12.51	11.60	9.53	8.85	8.29
AVERAGE COOPERATIVE	16.28	13.88	12.69	14.33	12.99	12.33	10.99	10.28	9.73		
AVERAGE ALL COMPANIES	17.42	15.35	14.50	14.88	13.49	13.07	12.04	11.20	9.59	8.82	8.32

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2016

	RESIDENTIAL		SMALL COM	IMERCIAL	<u>L/</u>	ARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>		100 600	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER	14.75	13.56	12.96	13.27	12.42	1	2.76	11.48	10.59	8.72	6.93	6.33
CONSUMERS ENERGY	16.40	14.81	14.01	14.84	13.18		3.50	12.34	11.64	8.67	7.88	6.75
DTE ELECTRIC	16.86	15.46	15.51	13.01	12.11		1.50	11.45	10.37	7.85	7.10	6.91
AEP (I&M) COMBINED	14.72	12.90	11.99	-4.35	12.36		1.69	10.89	10.41	9.07	8.46	9.91
NORTHERN STATES POWER UPPER PENINSULA POWER	15.05	13.10	12.13 24.13	12.32	11.15		2.24	11.08	10.39	10.11	10.03	10.03
UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	27.73 26.29	25.33 23.89	24.13	21.23 21.23	19.60 19.60		8.19 8.19	16.58 16.58	15.61 15.61	12.33 12.33	11.63 11.63	10.80 10.80
WISCONSIN ELECTRIC	18.52	16.32	15.22	17.40	15.01		4.62	14.57	12.44	10.77	10.33	7.98
WISCONSIN PUBLIC SERVICE	14.35	11.95	10.75	12.64	10.37		10.11	10.01	9.96	8.06	7.64	7.06
COOPERATIVES												
CLOVERLAND	15.26	13.46	12.56	12.74	11.67	1	2.85	11.58	10.92	9.05		
CLOVERLAND (EDISON SAULT LEGACY)	12.35	10.95	10.25	11.52	10.66	1	0.50	8.81	8.60	7.83	7.77	7.76
MIDWEST ENERGY	19.37	15.58	13.68	19.05	17.08	1	1.28	10.33	9.22	12.39		
THUMB	16.49	13.90	12.60	12.37	10.90	1	3.04	11.59	10.73	8.00		
AVERAGE INVESTOR OWNED	18.30	16.37	15.49	13.51	13.98		3.64	12.78	11.89	9.77	9.07	8.51
AVERAGE COOPERATIVE	15.87	13.47	12.27	13.92	12.58		1.92	10.58	9.87	9.32		
AVERAGE ALL COMPANIES	17.55	15.48	14.50	13.64	13.55	1	3.11	12.10	11.27	9.63	8.94	8.43

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2016

	RESIDENTIAL		SMALL CON	IMERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	<u>2</u>	100 21,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	14.75	13.56	12.96	13.27	12.42		12.76	11.48	10.59	8.72	6.93	6.33
CONSUMERS ENERGY	16.40	14.81	14.01	14.87	13.21		13.52	12.36	11.67	8.70	7.90	6.78
DTE ELECTRIC	16.86	15.46	15.51	13.01	12.11		11.50	11.45	10.37	7.85	7.10	6.91
AEP (I&M) COMBINED	14.76	12.94	12.03	-4.17	12.39		11.70	10.90	10.42	8.99	8.45	9.91
NORTHERN STATES POWER	14.83	12.88	11.91	12.33	11.16		12.03	10.87	10.18	9.96	9.88	9.88
UPPER PENINSULA POWER	27.73	25.33	24.13	21.23	19.60		18.19	16.58	15.61	12.33	11.63	10.80
UPPER PENINSULA POWER IRON RIVER	26.29	23.89	22.69	21.23	19.60		18.19	16.58	15.61	12.33	11.63	10.80
WISCONSIN ELECTRIC	18.38	16.25	15.18	17.30	14.99		14.61	14.56	12.42	10.77	10.32	7.98
WISCONSIN PUBLIC SERVICE	13.38	10.98	9.78	11.75	9.47		9.22	9.13	9.07	7.69	7.30	6.75
COOPERATIVES												
CLOVERLAND	15.26	13.46	12.56	12.74	11.67		12.85	11.58	10.92	9.05		
CLOVERLAND (EDISON SAULT LEGACY)	12.35	10.95	10.25	11.52	10.66		10.50	8.81	8.60	7.83	7.77	7.76
MIDWEST ENERGY	19.37	15.58	13.68	19.05	17.08		11.28	10.33	9.22	12.39		
THUMB	16.49	13.90	12.60	12.37	10.90		13.04	11.59	10.73	8.00		
AVERAGE INVESTOR OWNED	18.15	16.23	15.36	13.42	13.88		13.53	12.66	11.77	9.71	9.02	8.46
AVERAGE COOPERATIVE	15.87	13.47	12.27	13.92	12.58		11.92	10.58	9.87	9.32	0.02	0.10
AVERAGE ALL COMPANIES	17.45	15.38	14.41	13.58	13.48		13.03	12.02	11.18	9.59	8.89	8.39

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2016

	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	14.75 16.66 16.86 14.76 14.86 27.73 26.29 18.52	13.56 15.06 15.42 12.94 12.92 25.33 23.89 16.32	12.96 14.26 15.46 12.03 11.95 24.13 22.69 15.22	13.27 15.13 12.90 -4.17 12.34 21.23 21.23 17.40	12.42 13.46 11.99 12.39 11.16 19.60 19.60 15.01	12.76 13.78 11.37 11.70 12.04 18.19 18.19	11.48 12.62 11.32 10.90 10.88 16.58 16.58	10.59 11.92 10.21 10.42 10.18 15.61 15.61 12.44	8.72 8.95 7.70 8.99 9.96 12.33 12.33	6.93 8.13 6.95 8.45 9.88 11.63 11.63	6.33 7.00 6.76 9.91 9.87 10.80 10.80 7.98
WISCONSIN PUBLIC SERVICE  COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	14.22 15.26 12.35 19.37 16.49	11.82 13.46 10.95 15.58 13.90	10.62 12.56 10.25 13.68 12.60	12.59 12.74 11.52 19.05 12.37	10.32 11.67 10.66 17.08 10.90	10.07 12.85 10.50 11.28 13.04	9.97 11.58 8.81 10.33 11.59	9.92 10.92 8.60 9.22 10.73	9.05 7.83 12.39 8.00	8.14 7.77	7.60 7.76
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	18.30 15.87 17.55	16.36 13.47 15.47	15.48 12.27 14.49	13.55 13.92 13.66	14.00 12.58 13.56	13.64 11.92 13.11	12.77 10.58 12.09	11.88 9.87 11.26	9.81 9.32 9.66	9.12 8.98	8.56 8.48

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2016

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	<u>:</u>	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.11 17.39 16.88 14.76 14.46 26.33 24.95 18.06 14.22	13.92 15.79 15.18 12.94 12.52 23.93 22.55 16.18 11.82	13.32 15.00 15.08 12.03 11.54 22.73 21.35 15.24 10.62	13.63 15.85 12.53 -4.17 11.92 20.09 20.09 16.89 12.59	12.78 14.19 11.52 12.39 10.74 18.46 15.05 10.32	13.12 14.51 10.88 11.70 11.64 17.41 17.41 14.77	11.84 13.35 10.83 10.90 10.48 15.80 15.80 14.72 9.97	10.95 12.65 9.71 10.42 10.18 14.83 14.83 12.56 9.92	9.08 9.68 7.20 8.99 9.65 11.79 10.92 8.54	7.29 8.87 6.45 8.45 9.57 11.08 11.08 10.50 8.14	6.69 7.73 6.26 9.91 9.57 10.26 10.26 8.16 7.60
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.26 12.35 19.37 16.49 18.02 15.87 17.36	13.46 10.95 15.58 13.90 16.09 13.47 15.29	12.56 10.25 13.68 12.60 15.21 12.27 14.31	12.74 11.52 19.05 12.37 13.27 13.92 13.47	11.67 10.66 17.08 10.90 13.77 12.58 13.40	12.85 10.50 11.28 13.04 13.50 11.92 13.01	11.58 8.81 10.33 11.59 12.63 10.58 12.00	10.92 8.60 9.22 10.73 11.78 9.87 11.19	9.05 7.83 12.39 8.00 9.74 9.32 9.61	7.77 9.05 8.92	7.76 8.49 8.42

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2016

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.11 17.40 15.95 14.76 14.86 26.33 24.95 18.32 14.22	13.92 15.80 14.56 12.94 12.92 23.93 22.55 16.31 11.82	13.32 15.01 14.61 12.03 11.95 22.73 21.35 15.30 10.62	13.63 15.87 12.06 -4.17 12.34 20.09 20.09 17.04 12.59	12.78 14.21 11.17 12.39 11.16 18.46 15.08 10.32	13.12 14.52 11.04 11.70 12.04 17.41 17.41 14.78 10.07	11.84 13.36 11.00 10.90 10.88 15.80 14.73 9.97	10.95 12.66 9.77 10.42 10.18 14.83 14.83 12.60 9.92	9.08 9.69 7.18 8.99 9.96 11.79 11.79 10.94 8.54	7.29 8.88 6.43 8.45 9.88 11.08 11.08 10.50 8.14	6.69 7.74 6.23 9.91 9.87 10.26 10.26 8.16 7.60
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.26 12.08 19.37 16.49 17.99 15.80 17.32	13.46 10.68 15.58 13.90 16.08 13.40 15.26	12.56 9.98 13.68 12.60 15.21 12.20 14.29	12.74 11.21 19.05 12.37 13.28 13.84 13.45	11.67 10.35 17.08 10.90 13.78 12.50 13.39	12.85 10.19 11.28 13.04 13.57 11.84	11.58 8.58 10.33 11.59 12.70 10.52 12.03	10.92 8.37 9.22 10.73 11.80 9.81 11.19	9.05 7.60 12.39 8.00 9.77 9.26 9.62	7.54 9.08 8.93	7.53 8.52 8.43

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2015

	RESIDENTIAL		SMALL CON	IMERCIAL	LAR	GE COMMER	RCIAL		INDUSTRIAL	=	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	10 <u>21,60</u>		100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	14.97 16.16 15.93 14.29 15.28 26.26 24.88 17.55	13.77 14.56 14.54 12.56 13.34 23.86 22.48 15.54 11.26	13.18 13.77 14.58 11.69 12.37 22.66 21.28 14.53 10.06	13.48 14.47 12.23 -4.48 12.76 20.07 20.07 16.28	12.62 12.80 11.39 12.05 11.58 18.46 18.46	12. 13. 10. 11. 12. 17. 17.	14 12.00 94 10.90 10 10.60 16 11.30 10 15.79 10 15.79 10 14.01	10.80 11.31 9.72 10.12 10.60 14.83 14.83	8.93 9.03 7.48 8.75 10.38 11.77 11.77	7.13 7.86 7.02 8.17 10.30 11.01 11.01 9.79	6.54 6.97 6.84 9.62 10.29 10.19 7.44 7.05
WISCONSIN PUBLIC SERVICE  COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE	13.66 15.26 12.08 19.37 16.40 17.67 15.78	13.46 10.68 15.58 13.80 15.77 13.38	12.56 9.98 13.68 12.50 14.90 12.18	12.02 12.74 11.21 18.67 12.27 12.99 13.72	9.77 11.67 10.35 16.70 10.80 13.50 12.38	12. 10. 11. 12. 13.	19 8.58 49 10.54 94 11.50 25 12.39	10.92 8.37 9.43 10.63	9.05 7.60 12.59 7.91 9.60 9.29	7.60 7.54 8.88	7.53 7.53 8.35
AVERAGE ALL COMPANIES	17.08	15.03	14.06	13.21	13.15	12.	32 11.82	10.99	9.50	8.74	8.27

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2015

	RESIDENTIAL		SMALL CON	MERCIAL	LAR	GE COMME	RCIAL		INDUSTRIAL	=	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	10 <u>21,60</u>		100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC	14.97 16.37 16.10	13.77 14.77 14.62	13.18 13.98 14.63	13.48 14.68 12.42	12.62 13.01 11.44	12. 13. 10.	34 12.20 95 10.91	11.52 9.72	8.93 9.23 7.48	7.13 8.07 7.02	6.54 7.18 6.84
AEP (I&M) COMBINED  NORTHERN STATES POWER  UPPER PENINSULA POWER  UPPER PENINSULA POWER IRON RIVER  WISCONSIN ELECTRIC  WISCONSIN PUBLIC SERVICE	14.33 15.28 26.26 24.88 17.67 13.88	12.60 13.34 23.86 22.48 15.72 11.48	11.73 12.37 22.66 21.28 14.75 10.28	-4.33 12.76 20.07 20.07 16.45 12.24	12.08 11.58 18.46 18.46 14.59 9.99	11. 12. 17. 17. 14. 9.	46 11.30 40 15.79 40 15.79 30 14.26	10.60 14.83 14.83 12.22	8.70 10.38 11.77 11.77 10.52 8.22	8.16 10.30 11.01 11.01 10.04 7.82	9.62 10.29 10.19 10.19 7.69 7.28
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	15.26 12.08 19.37 16.40	13.46 10.68 15.58 13.80	12.56 9.98 13.68 12.50	12.74 11.21 18.67 12.27	11.67 10.35 16.70 10.80	12. 10. 11. 12.	19 8.58 49 10.54	8.37 9.43	9.05 7.60 12.59 7.91	7.54	7.53
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	17.75 15.78 17.14	15.85 13.38 15.09	14.98 12.18 14.12	13.09 13.72 13.29	13.58 12.38 13.21	13. 11. 12.	37 10.55	9.84	9.67 9.29 9.55	8.95 8.81	8.42 8.33

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2015

	RESIDENTIAL		SMALL CON	IMERCIAL	<u>L.</u>	ARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>		100 ,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER	14.97 16.39 16.10 14.33 15.28	13.77 14.80 14.62 12.60 13.34	13.18 14.00 14.63 11.73 12.37	13.48 14.70 12.42 -4.33 12.76	12.62 13.04 11.44 12.08 11.58	1 1 1	12.97 13.37 10.95 11.41 12.46	11.69 12.23 10.91 10.60 11.30	10.80 11.54 9.72 10.12 10.60	8.93 9.26 7.48 8.70 10.38	7.13 8.09 7.02 8.16 10.30	6.54 7.21 6.84 9.62 10.29
UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	25.44 24.06 18.05 13.88	23.04 21.66 16.05 11.48	21.84 20.46 15.04 10.28	19.25 19.25 16.78 12.24	17.64 17.64 14.86 9.99	1 1	16.58 16.58 14.56 9.71	14.97 14.97 14.52 9.62	14.01 14.01 12.50 9.57	10.95 10.95 10.78 8.22	10.19 10.19 10.30 7.82	9.36 9.36 7.95 7.28
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	15.26 12.08 19.37 16.40	13.46 10.68 15.58 13.80	12.56 9.98 13.68 12.50	12.74 11.21 18.67 12.27	11.67 10.35 16.70 10.80	1 1	12.85 10.19 11.49 12.94	11.58 8.58 10.54 11.50	10.92 8.37 9.43 10.63	9.05 7.60 12.59 7.91	7.54	7.53
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	17.61 15.78 17.05	15.71 13.38 14.99	14.84 12.18 14.02	12.95 13.72 13.19	13.43 12.38 13.11	1	13.18 11.87 12.77	12.31 10.55 11.77	11.43 9.84 10.94	9.52 9.29 9.45	8.80 8.67	8.27 8.20

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2015

	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.97 16.59 16.10 13.00 15.28 25.44 24.06 17.92 14.06	13.77 15.00 14.62 11.27 13.34 23.04 21.66 15.98 11.66	13.18 15.60 14.63 10.41 12.37 21.84 20.46 15.01 10.46	13.48 15.90 12.42 11.12 12.76 19.25 19.25 16.71 12.42	12.62 14.23 11.44 10.66 11.58 17.64 17.64 14.85 10.17	12.97 15.49 10.95 10.02 12.46 16.58 16.58 14.55 9.89	11.69 14.12 10.91 9.33 11.30 14.97 14.97 14.51 9.80	10.80 13.30 9.72 8.92 10.60 14.01 14.01 12.48 9.75	8.93 11.52 7.48 7.99 10.38 10.95 10.95 10.77 8.40	7.13 10.35 7.02 7.64 10.30 10.19 10.19 10.30 8.00	6.54 9.47 6.84 7.53 10.29 9.36 9.36 7.95 7.45
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB AVERAGE INVESTOR OWNED	15.71 12.53 19.37 16.40	13.91 11.13 15.58 13.80	13.01 10.43 13.68 12.50	13.19 11.66 18.67 12.27	12.12 10.80 16.70 10.80	13.30 10.64 11.49 12.94	12.03 9.03 10.54 11.50	11.37 8.82 9.43 10.63	9.50 8.05 12.59 7.91 9.71	7.99 9.01	7.98 8.31
AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	16.00 17.03	13.60 14.98	12.40 14.12	13.95 14.55	12.60 13.17	12.09 12.91	10.78 11.90	10.06 11.06	9.51 9.65	8.91	8.28

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2015

	RESIDENTIAL		SMALL CON	IMERCIAL	LARG	E COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.97 16.62 17.68 13.00 14.76 25.44 24.06 17.91 14.06	13.77 15.03 16.20 11.27 13.01 23.04 21.66 15.90 11.66	13.18 15.63 16.20 10.40 12.14 21.84 20.46 14.90 10.46	13.48 15.93 13.99 11.12 12.64 19.25 19.25 16.64 12.42	12.62 14.27 13.02 10.66 11.56 17.64 17.64 14.72 10.17	12.97 15.52 12.53 10.02 12.44 16.58 16.58 14.42 9.88	14.15 12.49 9.33 11.30 14.97 14.97	10.80 13.33 11.30 8.92 10.60 14.01 14.01 12.36 9.75	8.93 11.55 9.06 7.99 10.38 10.95 10.95	7.13 10.38 8.59 7.64 10.30 10.19 10.19 10.15 8.00	6.54 9.50 8.42 7.53 10.29 9.36 9.36 7.80
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE	15.71 12.53 19.37 16.39 17.61 16.00	13.91 11.13 15.58 13.80 15.73 13.60	13.01 10.43 13.68 12.50 15.02 12.40	13.19 11.66 18.67 12.27 14.97 13.95	12.12 10.80 16.70 10.80 13.59 12.60	13.30 10.64 11.49 12.94 13.44	9.03 10.54 11.50 12.56 10.78	11.37 8.82 9.43 10.63 11.67 10.06	9.50 8.05 12.59 7.91 9.87 9.51	7.99 9.18	7.98 8.47
AVERAGE ALL COMPANIES	17.11	15.07	14.22	14.65	13.28	13.03	12.01	11.18	9.76	9.06	8.42

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2015

	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.97 16.70 17.68 13.00 14.76 23.63 22.25 17.91 14.07	13.77 15.11 16.20 11.27 13.01 21.23 19.85 15.90 11.67	13.18 15.71 16.20 10.40 12.14 20.03 18.65 14.90 10.47	13.48 16.02 13.50 11.12 12.64 17.47 17.47 16.64 12.43	12.62 14.35 12.52 10.66 11.56 15.84 15.84 14.72 10.17	12.97 15.61 12.03 10.02 12.46 14.81 14.81 14.42 9.89	11.69 14.23 12.00 9.33 11.30 13.19 13.19 14.37 9.80	10.80 13.41 10.92 8.92 10.60 12.22 12.22 12.36 9.75	8.93 11.63 8.76 7.99 10.38 9.14 9.14 10.64 8.40	7.13 10.47 8.30 7.64 10.30 8.39 8.39 10.15 8.00	6.54 9.58 8.12 7.53 10.29 7.56 7.56 7.80 7.45
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE	15.26 12.08 19.37 16.39 17.22 15.77	13.46 10.68 15.58 13.80 15.34 13.38	12.56 9.98 13.68 12.50 14.63 12.18	12.74 11.21 18.67 12.27 14.53 13.72	11.67 10.35 16.70 10.80 13.14 12.38	12.85 10.19 11.49 12.94 13.00 11.87	11.58 8.58 10.54 11.50 12.12 10.55	10.92 8.37 9.43 10.63 11.24 9.84	9.05 7.60 12.59 7.91 9.45 9.29	7.54 8.75	7.53 8.05
AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	16.77	14.73	13.88	14.28	12.91	12.65	11.64	10.81	9.40	8.63	8.00

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2015

	RES	SIDENTIA	<u>.L</u>	SMALL COM	IMERCIAL	<u>LA</u>	RGE COMM	ERCIAL		INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	1 <u>21,6</u>	00 10 00 <u>28,80</u>		1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000	
INVESTOR OWNED												
ALPENA POWER	15.06	13.82	13.20	13.73	12.67	12	.99 11.	0 10.81	8.93	7.13	6.54	
CONSUMERS ENERGY	16.16	14.57	15.17	15.88	14.21	15	.47 14.	0 13.28	11.25	10.08	9.20	
DTE ELECTRIC	15.93	14.77	14.85	13.32	12.45	11	.98 11.9	11.02	9.12	8.57	8.29	
AEP (I&M) COMBINED	13.00	11.27	10.40	11.12	10.66	10	.02 9.3	8.92	7.99	7.64	7.53	
NORTHERN STATES POWER	14.76	13.01	12.14	12.64	11.56	12	.46 11.3	10.60	10.38	10.30	10.29	
UPPER PENINSULA POWER	23.63	21.23	20.03	17.47	15.84		.81 13.		9.14	8.39	7.56	
UPPER PENINSULA POWER IRON RIVER	22.25	19.85	18.65	17.47	15.84	14	.81 13.	9 12.22	9.14	8.39	7.56	
WISCONSIN ELECTRIC	16.22	14.27	13.30	15.00	13.14	12	.85 12.8	10.77	9.06	8.59	6.24	
WISCONSIN PUBLIC SERVICE	14.07	11.67	10.47	12.43	10.17	9	.89 9.8	9.75	8.40	8.00	7.45	
COOPERATIVES												
CLOVERLAND	15.26	13.46	12.56	12.74	11.67	12	.85 11.5	10.92	9.05			
CLOVERLAND (EDISON SAULT LEGACY)	12.08	10.68	9.98	11.21	10.35	10	.19 8.9	8.37	7.60	7.54	7.53	
MIDWEST ENERGY	19.37	15.58	13.68	18.67	16.70	11	.49 10.5	9.43	12.59			
THUMB	16.39	13.80	12.50	12.27	10.80	12	.94 11.	10.63	7.91			
AVERAGE INVESTOR OWNED	16.79	14.94	14.25	14.34	12.95	12	.81 11.9	3 11.07	9.27	8.56	7.85	
AVERAGE COOPERATIVE	15.77	13.38	12.18	13.72	12.38	11	.87 10.9	55 9.84	9.29			
AVERAGE ALL COMPANIES	16.48	14.46	13.61	14.15	12.77		.52 11.		9.28	8.46	7.82	

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2015

	RES	SIDENTIA	<u>.L</u>			COMMER	COMMERCIAL		INDUSTRIAL	=	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.31 16.09 15.93 13.08 14.76 23.63 22.25 18.09 14.07	14.07 14.50 14.77 11.35 13.01 21.23 19.85 16.08 11.67	13.45 13.70 14.85 10.48 12.14 20.03 18.65 15.07 10.47	13.98 14.90 13.32 11.19 12.64 17.47 17.47 16.82 12.43	12.92 13.24 12.45 10.74 11.56 15.84 15.84 14.89 10.17	13.24 13.57 11.98 10.10 12.46 14.81 14.81 14.89 9.89	11.95 12.43 11.95 9.41 11.30 13.19 13.19 14.55 9.80	11.06 11.75 11.02 8.99 10.60 12.22 12.22 12.53 9.75	9.18 9.17 9.12 8.04 10.38 9.14 9.14 10.81 8.40	7.38 8.00 8.57 7.70 10.30 8.39 8.39 10.33 8.00	6.79 7.12 8.29 7.59 10.29 7.56 7.56 7.98 7.45
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.26 12.08 19.37 16.39 17.02 15.77 16.64	13.46 10.68 15.58 13.80 15.17 13.38 14.62	12.56 9.98 13.68 12.50 14.32 12.18 13.66	12.74 11.21 18.67 12.27 14.47 13.72 14.24	11.67 10.35 16.70 10.80 13.07 12.38 12.86	12.85 10.19 11.49 12.94 12.83 11.87 12.53	11.58 8.58 10.54 11.50 11.97 10.55 11.54	10.92 8.37 9.43 10.63 11.13 9.84 10.73	9.05 7.60 12.59 7.91 9.27 9.29 9.27	7.54 8.56 8.46	7.53 7.85 7.82

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2015

	RESIDENTIAL		SMALL CON	SMALL COMMERCIAL		COMMER	<u>CIAL</u>		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	15.31 16.13 15.93 13.08 14.76 25.43 24.05	14.07 14.54 14.77 11.35 13.01 23.03 21.65	13.45 13.74 14.85 10.48 12.14 21.83 20.45	13.98 14.95 13.32 11.19 12.64 19.27	12.92 13.28 12.45 10.74 11.56 17.64	13.24 13.61 11.98 10.10 12.46 16.61	11.95 12.47 11.95 9.41 11.30 14.99	11.06 11.79 11.02 8.99 10.60 14.02	9.18 9.21 9.12 8.04 10.38 10.94	7.38 8.04 8.57 7.70 10.30 10.19	6.79 7.16 8.29 7.59 10.29 9.36 9.36
WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	17.96 12.12	16.01 10.32	15.04 9.42	16.74 11.25	14.88 9.23	14.59 9.03	14.54 8.96	12.51 8.91	10.80 8.03	10.33 7.73	7.98 7.15
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	15.26 12.08 19.37 16.39	13.46 10.68 15.58 13.80	12.56 9.98 13.68 12.50	12.74 11.21 18.67 12.27	11.67 10.35 16.70 10.80	12.85 10.19 11.49 12.94	11.58 8.58 10.54 11.50	10.92 8.37 9.43 10.63	9.05 7.60 12.59 7.91	7.54	7.53
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	17.20 15.77 16.76	15.42 13.38 14.79	14.60 12.18 13.85	14.73 13.72 14.42	13.37 12.38 13.07	13.13 11.87 12.74	12.28 10.55 11.75	11.44 9.84 10.94	9.63 9.29 9.52	8.94 8.80	8.22 8.15

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2015

	RESIDENTIAL		SMALL CON	SMALL COMMERCIAL		COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER	15.31 16.12 15.93 12.99 14.16 25.43	14.07 14.52 14.77 11.26 12.43 23.03	13.45 13.73 14.85 10.40 11.57 21.83	13.98 14.93 13.32 11.30 11.75 19.27	12.92 13.26 12.45 10.84 10.75 17.64	13.24 13.60 11.98 10.20 11.67 16.61	11.95 12.46 11.95 9.51 10.54 14.99	11.06 11.77 11.02 9.09 9.87 14.02	9.18 9.20 9.12 8.11 9.98 10.94	7.38 8.03 8.57 7.72 9.90 10.19	6.79 7.15 8.29 7.61 9.89 9.36
UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	24.05 18.09 12.12	21.65 16.08 10.32	20.45 15.07 9.42	19.27 19.27 16.82 11.25	17.64 17.64 14.89 9.23	16.61 14.59 9.03	14.99 14.99 14.55 8.96	14.02 14.02 12.53 8.91	10.94 10.94 10.81 8.03	10.19 10.19 10.33 7.73	9.36 9.36 7.98 7.15
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	15.26 12.08 19.37 16.39	13.46 10.68 15.58 13.80	12.56 9.98 13.68 12.50	12.74 11.21 18.67 12.27	11.67 10.35 16.70 10.80	12.85 10.19 11.49 12.94	11.58 8.58 10.54 11.50	10.92 8.37 9.43 10.63	9.05 7.60 12.59 7.91	7.54	7.53
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	17.13 15.77 16.72	15.35 13.38 14.74	14.53 12.18 13.81	14.65 13.72 14.37	13.29 12.38 13.01	13.06 11.87 12.69	12.21 10.55 11.70	11.37 9.84 10.90	9.59 9.29 9.50	8.89 8.76	8.18 8.11

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2015

	RES	SIDENTIA	<u>.L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	:
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC	15.31 16.15 15.93	14.07 14.56 14.77	13.45 13.76 14.85	13.98 14.97 13.32	12.92 13.30 12.45	13.24 13.63 11.98	11.95 12.49 11.95	11.06 11.81 11.02	9.18 9.24 9.12	7.38 8.07 8.57	6.79 7.18 8.29
AEP (I&M) COMBINED  NORTHERN STATES POWER  UPPER PENINSULA POWER  UPPER PENINSULA POWER IRON RIVER  WISCONSIN ELECTRIC	12.99 14.16 26.25 24.87 18.71	11.26 12.43 23.85 22.47 16.39	10.40 11.57 22.65 21.27 15.23	11.30 11.75 20.09 20.09 17.99	10.84 10.75 18.46 18.46 15.13	10.20 11.67 17.43 17.43 14.64	9.51 10.54 15.81 15.81 14.58	9.09 9.87 14.84 14.84 12.50	8.11 9.98 11.77 11.77 10.82	7.72 9.90 11.01 11.01 10.33	7.61 9.89 10.19 10.19 7.98
WISCONSIN PUBLIC SERVICE  COOPERATIVES CLOVERLAND	12.54	10.74	9.84	11.67	9.65	9.45	9.38	9.33	8.45 9.05	8.15	7.58
CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	12.08 19.37 16.39	10.68 15.58 13.80	9.98 13.68 12.50	11.21 18.67 12.27	10.35 16.70 10.80	10.19 11.49 12.94	8.58 10.54 11.50	8.37 9.43 10.63	7.60 12.59 7.91	7.54	7.53
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	17.44 15.77 16.92	15.62 13.38 14.93	14.78 12.18 13.98	15.02 13.72 14.62	13.55 12.38 13.19	13.30 11.87 12.86	12.45 10.55 11.86	11.60 9.84 11.06	9.83 9.29 9.66	9.13 8.97	8.41 8.32

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2015

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL	=	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.31 16.37 16.57 12.99 14.16 26.23 24.85 19.36 12.54	14.07 14.77 15.09 11.26 12.43 23.83 22.45 16.79 10.74	13.45 13.98 15.00 10.40 11.57 22.63 21.25 15.50 9.84	13.98 15.18 13.46 11.30 11.75 19.66 19.66 18.52 11.67	12.92 13.52 12.48 10.84 10.75 18.03 18.03 15.35 9.65	13.24 13.85 11.99 10.20 11.67 17.00 17.00 14.81 9.45	11.95 12.71 11.95 9.51 10.54 15.38 15.38 14.75 9.38	11.06 12.02 11.03 9.09 9.87 14.41 14.41 12.72 9.33	9.18 9.45 9.12 8.11 9.98 11.34 11.34 11.00 8.45	7.38 8.28 8.57 7.72 9.90 11.09 11.09 10.48 8.15	6.79 7.40 8.29 7.61 9.89 10.27 10.27 8.13 7.58
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.26 12.08 19.37 16.39 17.60 15.77 17.04	13.46 10.68 15.58 13.80 15.71 13.38 15.00	12.56 9.98 13.68 12.50 14.85 12.18 14.03	12.74 11.21 18.67 12.27 15.02 13.72 14.62	11.67 10.35 16.70 10.80 13.51 12.38 13.16	12.85 10.19 11.49 12.94 13.24 11.87 12.82	11.58 8.58 10.54 11.50 12.39 10.55 11.83	10.92 8.37 9.43 10.63 11.55 9.84 11.02	9.05 7.60 12.59 7.91 9.77 9.29 9.62	7.54 9.18 9.02	7.53 8.47 8.38

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2014

	RESIDENTIAL		SMALL CON	SMALL COMMERCIAL		COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.17 16.78 15.77 12.58 14.51 25.16 23.74 17.63 12.23	13.93 15.19 14.61 10.85 12.78 22.76 21.34 15.06 10.43	13.31 14.39 14.68 9.98 11.91 21.56 20.14 13.78 9.53	13.84 15.60 13.15 10.89 12.09 19.87 19.87 16.79 11.36	12.79 13.93 12.28 10.42 11.10 18.24 13.63 9.34	13.10 14.26 11.82 9.78 12.01 17.01 17.01 13.09 9.14	11.82 13.12 11.79 9.09 10.89 15.39 15.39 13.03 9.07	10.93 12.44 10.86 8.68 10.21 14.42 14.00 9.02	9.06 9.86 8.96 7.70 10.32 10.85 10.85 9.28 8.14	7.25 8.70 8.41 7.30 10.24 10.61 10.61 8.76 7.84	6.66 7.81 8.13 7.19 10.24 9.79 9.79 6.41 7.26
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.34 12.10 19.43 16.73 17.06 15.90 16.70	13.54 10.70 15.63 14.13 15.22 13.50 14.69	12.64 10.00 13.74 12.83 14.37 12.30 13.73	13.20 11.47 18.36 13.03 14.83 14.01 14.58	12.13 10.61 16.38 11.57 13.33 12.67 13.13	12.95 10.44 11.74 14.14 13.02 12.32 12.81	11.68 8.65 10.79 12.70 12.18 10.95 11.80	10.92 8.44 10.22 11.83 11.33 10.35 11.03	9.30 7.67 12.85 8.80 9.45 9.65 9.51	7.60 8.86 8.73	7.60 8.14 8.09

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2014

	RESIDENTIAL		SMALL CON	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.17 16.84 15.77 12.58 14.51 25.16 23.74 17.47 12.23	13.93 15.24 14.61 10.85 12.78 22.76 21.34 14.98 10.43	13.31 14.45 14.68 9.98 11.91 21.56 20.14 13.74 9.53	13.84 15.64 13.15 10.89 12.09 19.87 19.87 16.67 11.36	12.79 13.97 12.28 10.42 11.10 18.24 18.24 13.60 9.34	13.10 14.30 11.82 9.78 12.01 17.01 17.01 13.08 9.14	11.82 13.16 11.79 9.09 10.89 15.39 15.39 13.02 9.07	10.93 12.48 10.86 8.68 10.21 14.42 14.42 10.98 9.02	9.06 9.92 8.96 7.70 10.32 10.85 10.85 9.27 8.14	7.25 8.75 8.41 7.30 10.24 10.61 10.61 8.75 7.84	6.66 7.86 8.13 7.19 10.24 9.79 9.79 6.41 7.26
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.75 12.51 19.43 16.73 17.05 16.10 16.76	13.95 11.11 15.63 14.13 15.21 13.70 14.75	13.05 10.41 13.74 12.83 14.37 12.51 13.79	13.60 11.88 18.36 13.03 14.82 14.22 14.63	12.53 11.02 16.38 11.57 13.33 12.87 13.19	13.36 10.85 11.74 14.14 13.03 12.52 12.87	12.09 9.05 10.79 12.70 12.18 11.16 11.87	11.33 8.84 10.22 11.83 11.33 10.56 11.09	9.71 8.07 12.85 8.80 9.45 9.86 9.58	8.01 8.86 8.78	8.01 8.15 8.13

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2014

	RES	SIDENTIA	<u>.L</u>	SMALL CON	IMERCIAL	LAR	SE COMMER	CIAL		INDUSTRIAL	=
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>		100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
<u>INVESTOR OWNED</u> ALPENA POWER	14.78	13.74	13.21	13.74	12.77	13.0	9 11.81	10.92	9.06	7.25	6.66
CONSUMERS ENERGY	16.83	15.24	14.44	15.62	13.96	14.2		12.47	9.91	8.74	7.86
DTE ELECTRIC	15.77	14.61	14.68	13.15	12.28	11.8	2 11.79	10.86	8.96	8.41	8.13
AEP (I&M) COMBINED	12.58	10.85	9.98	10.89	10.42	9.7	8 9.09	8.68	7.70	7.30	7.19
NORTHERN STATES POWER	14.51	12.78	11.91	12.09	11.10	12.0	1 10.89	10.21	10.32	10.24	10.24
UPPER PENINSULA POWER	25.16	22.76	21.56	19.87	18.24	17.0		14.42	10.85	10.61	9.79
UPPER PENINSULA POWER IRON RIVER	23.74	21.34	20.14	19.87	18.24	17.0		14.42	10.85	10.61	9.79
WISCONSIN ELECTRIC	17.63	15.06	13.78	16.79	13.63	13.0		11.00	9.28	8.76	6.41
WISCONSIN PUBLIC SERVICE	12.23	10.43	9.53	11.36	9.34	9.1	4 9.07	9.02	8.14	7.84	7.26
COOPERATIVES											
CLOVERLAND	15.75	13.95	13.05	13.60	12.53	13.3	6 12.09	11.33	9.71		
CLOVERLAND (EDISON SAULT LEGACY)	12.51	11.11	10.41	11.88	11.02	10.8	5 9.05	8.84	8.07	8.01	8.01
MIDWEST ENERGY	19.43	15.63	13.74	18.36	16.38	11.7	4 10.79	10.22	12.85		
THUMB	15.75	13.55	12.46	12.62	11.25	13.8	3 12.38	11.52	8.54		
AVERAGE INVESTOR OWNED	17.03	15.20	14.36	14.82	13.33	13.0	3 12.18	11.34	9.45	8.86	8.15
AVERAGE COOPERATIVE	15.86	13.56	12.41	14.11	12.80	12.4	4 11.08	10.48	9.79		
AVERAGE ALL COMPANIES	16.67	14.70	13.76	14.60	13.17	12.8	5 11.84	11.07	9.56	8.78	8.13

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2014

	RESIDENTIAL		SMALL CON	SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	:	100 21,600	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	15.02	13.97	13.45	13.98	13.01		13.33	12.05	11.16	9.29	7.48	6.90
CONSUMERS ENERGY	16.84	15.24	15.85	16.53	14.87		16.13	14.76	13.93	11.92	10.75	9.87
DTE ELECTRIC	15.77	14.61	14.68	13.15	12.28		11.82	11.79	10.86	8.96	8.41	8.13
AEP (I&M) COMBINED	12.62	10.89	10.02	11.01	10.45		9.79	9.10	8.68	7.72	7.31	7.19
NORTHERN STATES POWER	14.56	12.83	11.96	12.19	11.12		12.03	10.90	10.23	10.33	10.25	10.24
UPPER PENINSULA POWER	25.16	22.76	21.56	19.87	18.24		17.01	15.39	14.42	10.85	10.61	9.79
UPPER PENINSULA POWER IRON RIVER	23.74	21.34	20.14	19.87	18.24		17.01	15.39	14.42	10.85	10.61	9.79
WISCONSIN ELECTRIC	17.47	14.98	13.74	16.67	13.60		13.08	13.02	10.98	9.27	8.75	6.41
WISCONSIN PUBLIC SERVICE	12.23	10.43	9.53	11.39	9.35		9.19	9.11	9.05	8.17	7.84	7.24
COOPERATIVES												
CLOVERLAND	15.75	13.95	13.05	13.60	12.53		13.36	12.09	11.33	9.71		
CLOVERLAND (EDISON SAULT LEGACY)	12.51	11.11	10.41	11.88	11.02		10.85	9.05	8.84	8.07	8.01	8.01
MIDWEST ENERGY	19.11	15.32	13.42	14.02	12.04		11.68	10.73	10.16	12.76		
THUMB	15.75	13.55	12.46	12.62	11.25		13.83	12.38	11.52	8.54		
AVERAGE INVESTOR OWNED	17.04	15.23	14.55	14.96	13.46		13.26	12.39	11.53	9.71	9.11	8.39
AVERAGE COOPERATIVE	15.78	13.48	12.33	13.03	11.71		12.43	11.06	10.46	9.77		
AVERAGE ALL COMPANIES	16.65	14.69	13.87	14.37	12.92		13.01	11.98	11.20	9.73	9.00	8.35

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2014

	RES	SIDENTIA	<u>.L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	:
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	15.02 16.85 15.78 12.63 14.56 24.93 23.51 17.63	13.97 15.25 14.61 10.89 12.83 22.53 21.11 15.06	13.45 15.85 14.69 10.03 11.96 21.33 19.91 13.78	13.98 16.53 13.15 11.01 12.19 19.63 19.63 16.79	13.01 14.87 12.28 10.45 11.12 18.00 18.00 13.63	13.33 16.13 11.82 9.79 12.03 16.77 16.77	12.05 14.76 11.79 9.10 10.90 15.16 15.16 13.03	11.16 13.93 10.86 8.68 10.23 14.19 14.19	9.29 11.92 8.96 7.72 10.33 10.62 10.62 9.28	7.48 10.75 8.41 7.31 10.25 10.37 10.37 8.76	6.90 9.87 8.13 7.19 10.24 9.55 9.55 6.41
WISCONSIN PUBLIC SERVICE  COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	12.23 15.54 12.30 19.12 15.76	10.43 13.74 10.90 15.32 13.56	9.53 12.84 10.20 13.42 12.46	13.40 11.67 14.02 12.62	9.35 12.33 10.81 12.04 11.25	9.19 13.15 10.64 11.68 13.83	9.11 11.88 8.85 10.73 12.38	9.05 11.12 8.64 10.16 11.52	9.50 7.87 12.76 8.54	7.84 7.80	7.24 7.80
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	17.01 15.68 16.60	15.19 13.38 14.63	14.50 12.23 13.80	14.92 12.93 14.31	13.41 11.61 12.86	13.21 12.33 12.94	12.34 10.96 11.91	11.48 10.36 11.13	9.65 9.67 9.66	9.06 8.93	8.34 8.29

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2014

	RES	SIDENTIA	<u>.L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	:
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.02 16.92 15.78 12.63 14.40 25.04 23.62 17.63 12.23	13.97 15.32 14.61 10.89 12.75 22.64 21.22 15.06 10.43	13.45 15.92 14.69 10.03 11.92 21.44 20.02 13.78 9.53	13.98 16.62 13.15 11.01 12.19 19.71 19.71 16.79 11.39	13.01 14.95 12.28 10.45 11.12 18.12 18.12 13.63 9.35	13.33 16.20 11.82 9.79 12.08 16.88 16.88 13.09 9.19	12.05 14.83 11.79 9.10 10.95 15.27 15.27 13.03 9.11	11.16 14.00 10.86 8.68 10.28 14.30 14.30 11.00 9.05	9.29 11.87 8.96 7.72 10.15 10.75 10.75 9.28 8.17	7.48 10.68 8.41 7.31 10.07 10.50 10.50 8.76 7.84	6.90 9.78 8.13 7.19 10.06 9.68 9.68 6.41 7.24
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.54 12.30 19.12 15.76 17.03 15.68 16.61	13.74 10.90 15.32 13.56 15.21 13.38 14.65	12.84 10.20 13.42 12.46 14.53 12.23 13.82	13.40 11.67 14.02 12.62 14.95 12.93 14.33	12.33 10.81 12.04 11.25 13.45 11.61 12.88	13.15 10.64 11.68 13.83 13.25 12.33 12.97	11.88 8.85 10.73 12.38 10.96 11.94	11.12 8.64 10.16 11.52 11.52 10.36 11.16	9.50 7.87 12.76 8.54 9.66 9.67 9.66	7.80 9.06 8.93	7.80 8.34 8.29

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2014

	RESIDENTIAL SI		SMALL CON	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	1 <u>21,6</u>		00 100 00 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	15.02 16.63 15.78 12.63 14.40 25.15 23.73	13.97 14.93 14.61 10.89 12.75 22.75 21.33	13.45 15.48 14.69 10.03 11.92 21.55 20.13	13.98 16.21 13.15 11.01 12.19 19.82 19.82	13.01 14.53 12.28 10.45 11.12 18.23 18.23	15 11 9 12 16	.73 14 .82 11 .79 9 .08 10 .99 15 .99 15	05 11.16 35 13.54 79 10.86 10 8.68 95 10.28 38 14.41 38 14.41	11.52 8.96 7.72 10.15 10.85 10.85	7.48 10.31 8.41 7.31 10.07 10.61	6.90 9.41 8.13 7.19 10.06 9.79 9.79
WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	18.82 12.23	16.25 10.43	14.97 9.53	17.99 11.39	14.82 9.35			22 12.19 11 9.05		9.95 7.84	7.60 7.24
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	15.75 12.51 19.12 15.76	13.95 11.11 15.32 13.56	13.05 10.41 13.42 12.46	13.60 11.88 14.02 12.62	12.53 11.02 12.04 11.25	10 11	.85 9 .68 10	09 11.33 05 8.84 73 10.16 38 11.52	8.07 12.76	8.01	8.01
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	17.15 15.78 16.73	15.32 13.48 14.76	14.64 12.33 13.93	15.06 13.03 14.44	13.56 11.71 12.99	12	.43 11	48 11.62 06 10.46 04 11.26	9.77	9.18 9.06	8.46 8.41

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2014

	RES	SIDENTIA			LAR	LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	10 <u>21,60</u>		100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED											
ALPENA POWER	15.02	13.97	13.45	13.98	13.01	13.		11.16	9.29	7.48	6.90
CONSUMERS ENERGY	16.63	14.93	14.08	15.32	13.63	13.		12.08	9.51	8.31	7.41
DTE ELECTRIC	15.78	14.61	14.69	13.15	12.28	11.		10.86	8.96	8.41	8.13
AEP (I&M) COMBINED	12.70	10.96	10.10	11.08	10.52	9.		8.75	7.79	7.38	7.26
NORTHERN STATES POWER	14.40	12.75	11.92	12.19	11.12	12.		10.28	10.15	10.07	10.06
UPPER PENINSULA POWER	25.15	22.75	21.55	19.82	18.23	16.		14.41	10.85	10.61	9.79
UPPER PENINSULA POWER IRON RIVER	23.73	21.33	20.13	19.82	18.23	16.		14.41	10.85	10.61	9.79
WISCONSIN ELECTRIC	18.82	16.25	14.97	17.99	14.82	14.:		12.19	10.47	9.95	7.60
WISCONSIN PUBLIC SERVICE	12.23	10.43	9.53	11.39	9.35	9.	9.11	9.05	8.17	7.84	7.24
<u>COOPERATIVES</u>											
CLOVERLAND	15.75	13.95	13.05	13.60	12.53	13.	12.09	11.33	9.71		
CLOVERLAND (EDISON SAULT LEGACY)	12.51	11.11	10.41	11.88	11.02	10.	9.05	8.84	8.07	8.01	8.01
MIDWEST ENERGY	19.12	15.32	13.42	14.02	12.04	11.	88 10.73	10.16	12.76		
THUMB	15.76	13.56	12.46	12.62	11.25	13.	33 12.38	11.52	8.54		
AVERAGE INVESTOR OWNED	17.16	15.33	14.49	14.97	13.46	13.	12.31	11.47	9.56	8.96	8.24
AVERAGE COOPERATIVE	15.78	13.48	12.33	13.03	11.71	12.	11.06	10.46	9.77		
AVERAGE ALL COMPANIES	16.74	14.76	13.83	14.37	12.92	12.		11.16	9.63	8.87	8.22

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2014

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.25 16.63 15.78 12.70 14.40 25.15 23.73 19.71 12.23	14.21 14.93 14.61 10.96 12.75 22.75 21.33 17.14 10.43	13.68 14.08 14.69 10.10 11.92 21.55 20.13 15.85 9.53	14.21 15.31 13.15 11.08 12.19 19.82 19.82 18.87 11.39	13.24 13.63 12.28 10.52 11.12 18.23 18.23 15.70 9.35	13.56 13.91 11.82 9.86 12.08 16.99 16.99 15.16 9.19	12.28 12.76 11.79 9.17 10.95 15.38 15.38 15.10 9.11	11.39 12.08 10.86 8.75 10.28 14.41 14.41 13.07 9.05	9.53 9.51 8.96 7.79 10.15 10.85 10.85 11.35 8.17	7.72 8.31 8.41 7.38 10.07 10.61 10.61 10.83 7.84	7.13 7.41 8.13 7.26 10.06 9.79 9.79 8.48 7.24
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.54 12.30 19.12 15.76 17.29 15.68 16.79	13.74 10.90 15.32 13.56 15.46 13.38 14.82	12.84 10.20 13.42 12.46 14.61 12.23 13.88	13.40 11.67 14.02 12.62 15.09 12.93 14.43	12.33 10.81 12.04 11.25 13.59 11.61 12.98	13.15 10.64 11.68 13.83 13.29 12.33 12.99	11.88 8.85 10.73 12.38 12.44 10.96 11.98	11.12 8.64 10.16 11.52 11.59 10.36 11.21	9.50 7.87 12.76 8.54 9.69 9.67 9.68	7.80 9.09 8.96	7.80 8.36 8.31

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2014

	RESIDENTIAL		SMALL CON	SMALL COMMERCIAL		LARGE COMMERCIAL				<u>INDUSTRIAL</u>		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	;	100 21,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	15.25	14.21	13.68	14.21	13.24		13.56	12.28	11.39	9.53	7.72	7.13
CONSUMERS ENERGY	16.63	14.93	14.08	15.31	13.63		13.91	12.76	12.08	9.51	8.31	7.41
DTE ELECTRIC	15.78	14.61	14.69	13.15	12.28		11.82	11.79	10.86	8.96	8.41	8.13
AEP (I&M) COMBINED	12.61	10.88	10.01	11.20	10.62		9.96	9.26	8.85	7.86	7.40	7.28
NORTHERN STATES POWER	14.40	12.75	11.92	12.19	11.12		12.08	10.95	10.28	10.15	10.07	10.06
UPPER PENINSULA POWER	25.06	22.66	21.46	19.72	18.13		16.90	15.28	14.32	10.76	10.51	9.69
UPPER PENINSULA POWER IRON RIVER	23.63	21.23	20.03	19.72	18.13		16.90	15.28	14.32	10.76	10.51	9.69
WISCONSIN ELECTRIC	19.71	17.14	15.85	18.87	15.70		15.16	15.10	13.07	11.35	10.83	8.48
WISCONSIN PUBLIC SERVICE	12.14	10.34	9.44	11.30	9.26		9.10	9.02	8.96	8.08	7.75	7.15
COOPERATIVES												
CLOVERLAND	15.34	13.54	12.64	13.20	12.13		12.95	11.68	10.92	9.30		
CLOVERLAND (EDISON SAULT LEGACY)	12.10	10.70	10.00	11.47	10.61		10.44	8.65	8.44	7.67	7.60	7.60
MIDWEST ENERGY	19.12	15.32	13.42	14.02	12.04		11.68	10.73	10.16	12.76		
THUMB	15.76	13.56	12.46	12.62	11.25		13.83	12.38	11.52	8.54		
AVERAGE INVESTOR OWNED	17.24	15.41	14.57	15.08	13.57		13.27	12.41	11.57	9.66	9.06	8.34
AVERAGE COOPERATIVE	15.58	13.28	12.13	12.83	11.51		12.23	10.86	10.26	9.57		
AVERAGE ALL COMPANIES	16.73	14.76	13.82	14.38	12.93		12.95	11.94	11.17	9.63	8.91	8.26

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2014

	<u>RESIDENTIAL</u>		SMALL CON	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	15.25 16.53 15.77 12.61 14.40 25.15 23.73 19.71	14.21 14.83 14.60 10.88 12.75 22.75 21.33 17.14	13.68 13.98 14.68 10.01 11.92 21.55 20.13 15.85	14.21 15.21 13.14 11.20 12.19 19.82 19.82 18.87	13.24 13.53 12.27 10.62 11.12 18.23 18.23 15.70	13.56 13.81 11.81 9.96 12.08 16.99 16.99	12.28 12.66 11.78 9.26 10.95 15.38 15.38	11.39 11.98 10.86 8.85 10.28 14.41 14.41	9.53 9.42 8.95 7.86 10.15 10.85 10.85	7.72 8.21 8.40 7.40 10.07 10.61 10.61	7.13 7.31 8.12 7.28 10.06 9.79 9.79 8.48
WISCONSIN PUBLIC SERVICE  COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED	12.23 15.34 12.10 19.12 15.76 17.26	10.43 13.54 10.70 15.32 13.56	9.53 12.64 10.00 13.42 12.46 14.59	11.39 13.20 11.47 14.02 12.62	9.35 12.13 10.61 12.04 11.25	9.19 12.95 10.44 11.68 13.83	9.11 11.68 8.65 10.73 12.38	9.05 10.92 8.44 10.16 11.52	9.30 7.67 12.76 8.54 9.68	7.84 7.60 9.08	7.24 7.60 8.36
AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.58 16.75	13.28 14.77	12.13 13.84	12.83 14.40	11.51 12.95	12.23 12.96	10.86 11.95	10.26 11.18	9.57 9.65	8.93	8.28

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2014

	RES	RESIDENTIAL SMALL COMMERCIAL 5 25		IMERCIAL	LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED											
ALPENA POWER	15.25	14.21	13.68	14.21	13.24	13.56	12.28	11.39	9.53	7.72	7.13
CONSUMERS ENERGY	16.53	14.83	13.97	15.21	13.53	13.81	12.66	11.98	9.41	8.21	7.31
DTE ELECTRIC	15.77	14.60	14.68	13.14	12.27	11.81	11.78	10.86	8.95	8.40	8.12
AEP (I&M) COMBINED	12.61	10.88	10.01	11.20	10.62	9.96	9.26	8.85	7.86	7.40	7.28
NORTHERN STATES POWER	14.40	12.75	11.92	12.19	11.12	12.08		10.28	10.15	10.07	10.06
UPPER PENINSULA POWER	25.15	22.75	21.55	19.82	18.23	16.99		14.41	10.85	10.61	9.79
UPPER PENINSULA POWER IRON RIVER	23.73	21.33	20.13	19.82	18.23	16.99		14.41	10.85	10.61	9.79
WISCONSIN ELECTRIC	19.77	17.20	15.92	18.94	15.77	15.23		13.14	11.42	10.90	8.55
WISCONSIN PUBLIC SERVICE	12.23	10.43	9.53	11.39	9.35	9.19	9.11	9.05	8.17	7.84	7.24
COOPERATIVES											
CLOVERLAND	15.34	13.54	12.64	13.20	12.13	12.95	11.68	10.92	9.30		
CLOVERLAND (EDISON SAULT LEGACY)	12.10	10.70	10.00	11.47	10.61	10.44		8.44	7.67	7.60	7.60
MIDWEST ENERGY	19.12	15.32	13.42	14.02	12.04	11.68	10.73	10.16	12.76		
THUMB	15.76	13.56	12.46	12.62	11.25	13.83	12.38	11.52	8.54		
AVERAGE INVESTOR OWNED	17.27	15.44	14.60	15.10	13.59	13.29	12.44	11.60	9.69	9.08	8.36
AVERAGE COOPERATIVE	15.58	13.28	12.13	12.83	11.51	12.23		10.26	9.57	3.00	0.00
AVERAGE ALL COMPANIES	16.75	14.78	13.84	14.40	12.95	12.96		11.19	9.65	8.94	8.29
AVENAGE ALL COMITAINES	10.73	14.70	13.04	14.40	12.33	12.90	11.30	11.19	9.00	0.94	0.29

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2013

	RESIDENTIAL SM.		SMALL CON	SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>		100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	15.64	14.59	14.07	14.60	13.62		13.93	12.66	11.77	9.90	8.09	7.50
CONSUMERS ENERGY	16.34	14.64	13.79	15.03	13.35		13.62	12.48	11.80	9.27	8.04	7.14
DTE ELECTRIC	17.40	15.72	15.54	14.71	13.10		12.44	12.39	11.46	9.49	8.90	8.62
AEP (I&M) COMBINED	12.75	11.08	10.25	11.36	11.31		10.36	9.64	9.21	8.17	7.71	7.59
NORTHERN STATES POWER	13.17	11.52	10.69	10.96	9.89		10.85	9.72	9.04	8.92	8.84	8.83
UPPER PENINSULA POWER	23.00	20.80	19.70	18.74	17.19		16.12	14.52	13.56	9.87	9.75	8.90
UPPER PENINSULA POWER IRON RIVER	21.53	19.33	18.23	18.68	17.12		16.57	14.97	14.01	9.87	9.75	8.90
WISCONSIN ELECTRIC	19.32	16.83	15.59	18.37	15.44		14.95	14.89	12.81	11.11	10.63	8.28
WISCONSIN PUBLIC SERVICE	11.59	9.79	8.89	10.74	8.72		8.54	8.46	8.41	7.55	7.22	6.62
COOPERATIVES												
CLOVERLAND	13.29	11.49	10.59	11.41	10.34		10.45	9.56	9.04	7.06		
CLOVERLAND (EDISON SAULT LEGACY)	10.87	10.19	9.85	11.69	10.83		10.66	11.23	10.62	9.59	9.53	9.52
MIDWEST ENERGY	19.27	15.47	13.57	14.17	12.19		11.84	10.88	10.31	12.91		
THUMB	15.64	13.44	12.34	12.50	11.13		13.71	12.26	11.40	8.42		
AVERAGE INVESTOR OWNED	16.75	14.92	14.08	14.80	13.30		13.04	12.19	11.34	9.35	8.77	8.04
AVERAGE COOPERATIVE	14.77	12.65	11.59	12.44	11.12		11.66	10.99	10.34	9.49		
AVERAGE ALL COMPANIES	16.14	14.22	13.32	14.07	12.63		12.62	11.82	11.03	9.39	8.85	8.19

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2013

	RESIDENTIAL SMALL COMMERCI		IMERCIAL	LARGE COMMERCIAL			CIAL	INDUSTRIAL				
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	<u>21,</u> (	100 <u>600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	15.64	14.59	14.07	14.60	13.62	1	3.93	12.66	11.77	9.90	8.09	7.50
CONSUMERS ENERGY	16.47	14.77	13.92	15.16	13.48		3.75	12.61	11.93	9.40	8.17	7.28
DTE ELECTRIC	17.40	15.72	15.54	14.71	13.10		2.44	12.39	11.46	9.49	8.90	8.62
AEP (I&M) COMBINED	12.75	11.08	10.25	11.36	11.31		0.36	9.64	9.21	8.17	7.71	7.59
NORTHERN STATES POWER	13.17	11.52	10.69	10.96	9.89		0.85	9.72	9.04	8.92	8.84	8.83
UPPER PENINSULA POWER	23.00	20.80	19.70	18.74	17.19		6.12	14.52	13.56	9.87	9.75	8.90
UPPER PENINSULA POWER IRON RIVER	21.53	19.33	18.23	18.68	17.12		6.57	14.97	14.01	9.87	9.75	8.90
WISCONSIN ELECTRIC	19.32	16.83	15.59	18.37	15.44		4.95	14.89	12.81	11.00	10.52	8.17
WISCONSIN PUBLIC SERVICE	11.63	9.83	8.93	10.78	8.76		8.58	8.50	8.45	7.59	7.26	6.66
COOPERATIVES												
CLOVERLAND	13.29	11.49	10.59	11.41	10.34	1	0.45	9.56	9.04	7.06		
CLOVERLAND (EDISON SAULT LEGACY)	8.87	8.19	7.85	9.69	8.83		8.66	9.23	8.62	7.59	7.53	7.52
MIDWEST ENERGY	19.27	15.47	13.57	14.17	12.19	1	1.84	10.88	10.31	12.91		
THUMB	15.36	13.36	12.36	12.64	11.40	1	4.28	12.76	11.84	8.68		
AVERAGE INVESTOR OWNED	16.77	14.94	14.10	14.82	13.32	1	3.06	12.21	11.36	9.36	8.78	8.05
AVERAGE COOPERATIVE	14.20	12.13	11.09	11.98	10.69		1.31	10.61	9.95	9.06	0.10	0.00
AVERAGE ALL COMPANIES	15.98	14.08	13.18	13.94	12.51		2.52	11.72	10.93	9.27	8.65	8.00

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2013

	RESIDENTIAL		SMALL CON	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
<u>INVESTOR OWNED</u> ALPENA POWER	15.64	14.59	14.07	14.60	13.62	13.93		11.77	9.90	8.09	7.50
CONSUMERS ENERGY DTE ELECTRIC	16.52 17.64	14.82 15.84	13.97 15.60	15.46 14.92	13.77 13.15	14.02 12.45		12.20 11.46	9.64 9.49	8.41 8.90	7.51 8.62
AEP (I&M) COMBINED NORTHERN STATES POWER	12.75 13.17	11.08 11.52	10.25 10.69	11.36 10.96	11.31 9.89	10.36 10.85		9.21 9.04	8.17 8.92	7.71 8.84	7.59 8.83
UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	22.87 21.40	20.67 19.20	19.57 18.10	18.61 18.54	17.05 16.99	15.98 16.43		13.43 13.88	9.74 9.74	9.62 9.62	8.77 8.77
WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	19.48 11.72	16.91 9.92	15.63 9.02	18.49 10.87	15.47 8.85	14.96 8.67	14.90	12.84 8.55	11.01 7.68	10.52 7.35	8.17 6.75
COOPERATIVES		0.02	0.02	.0.0	0.00	0.0.	0.00	0.00			00
CLOVERLAND	13.29	11.49	10.59	11.41	10.34	10.45		9.04	7.06	7.50	7.50
CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY	8.87 19.27	8.19 15.47	7.85 13.57	9.69 14.17	8.83 12.19	8.66 11.84	10.88	8.62 10.31	7.59 12.91	7.53	7.52
THUMB	15.36	13.36	12.36	12.64	11.40	14.28		11.84	8.68		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE	16.80 14.20	14.95 12.13	14.10 11.09	14.87 11.98	13.34 10.69	13.07 11.31	12.22 10.61	11.38 9.95	9.36 9.06	8.78	8.06
AVERAGE ALL COMPANIES	16.00	14.08	13.17	13.98	12.53	12.53	11.73	10.94	9.27	8.66	8.00

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2013

	RESIDENTIAL		SMALL COM	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
<u>INVESTOR OWNED</u> ALPENA POWER	15.64	14.59	14.07	14.60	13.62	13.93	12.66	11.77	9.90	8.09	7.50
CONSUMERS ENERGY	16.47	14.39	15.32	16.06	14.38	15.58		13.39	11.40	10.18	9.28
DTE ELECTRIC	17.24	15.56	15.38	14.91	13.30	12.64		11.70	9.64	9.05	8.77
AEP (I&M) COMBINED	12.75	11.08	10.25	11.36	11.31	10.36		9.21	8.17	7.71	7.59
NORTHERN STATES POWER	13.17	11.52	10.69	10.96	9.89	10.85	9.72	9.04	8.92	8.84	8.83
UPPER PENINSULA POWER	22.11	19.91	18.81	18.23	16.68	15.61	14.01	13.05	9.36	8.80	7.95
UPPER PENINSULA POWER IRON RIVER	20.64	18.44	17.34	18.17	16.61	16.06		13.50	9.36	8.80	7.95
WISCONSIN ELECTRIC	19.32	16.83	15.59	18.37	15.44	14.95		12.81	11.00	10.52	8.17
WISCONSIN PUBLIC SERVICE	12.02	10.22	9.32	11.17	9.15	8.97	8.89	8.85	7.98	7.65	7.05
COOPERATIVES											
CLOVERLAND	14.29	12.49	11.59	12.41	11.34	11.45	10.56	10.04	8.06		
CLOVERLAND (EDISON SAULT LEGACY)	9.87	9.19	8.85	10.69	9.83	9.66	10.23	9.62	8.59	8.53	8.52
MIDWEST ENERGY	19.27	15.47	13.57	14.17	12.19	11.84	10.88	10.31	12.91		
THUMB	15.36	13.36	12.36	12.64	11.40	14.28	12.76	11.84	8.68		
AVERAGE INVESTOR OWNED	16.59	14.77	14.08	14.87	13.38	13.22	12.34	11.48	9.53	8.85	8.12
AVERAGE COOPERATIVE	14.70	12.63	11.59	12.48	11.19	11.81	11.11	10.45	9.56		
AVERAGE ALL COMPANIES	16.01	14.11	13.32	14.13	12.70	12.78	11.96	11.16	9.54	8.82	8.16

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2013

5 500 1,000 1,000 14.59 14.07 14.60 14.57 15.22 15.96	25 100 5,000 21,600 13.62 13.93	100 100 28,800 36,000	432,000 4,3	10,000 50,000 20,000 <u>21,600,000</u>
	13.62 13.93	40.00 44.77		
15.32     15.26     14.80       10.89     10.15     11.26       11.52     10.69     10.96       20.13     19.03     18.58       18.44     17.34     18.17       16.91     15.63     18.49       10.35     9.45     11.29	13.28 12.64 11.29 10.35 9.89 10.85 17.02 15.96 16.61 16.06 15.47 14.96	14.20 13.39 12.59 11.70 9.64 9.21 9.72 9.04 14.36 13.40 14.46 13.50	9.90 11.40 9.64 8.17 8.92 9.71 9.36 11.12 8.15	8.09     7.50       10.18     9.28       9.05     8.77       7.71     7.59       8.84     8.83       9.06     8.21       8.80     7.95       10.63     8.28       7.78     7.17
13.49 12.59 13.41 10.19 9.85 11.69 15.27 13.47 14.07 13.16 12.26 12.54 14.75 14.09 14.90 13.03 12.04 12.93	10.83 10.66 12.17 11.84 11.38 14.28 13.42 13.27 11.68 12.31	11.23 10.62 10.88 10.31 12.76 11.84 12.39 11.53 11.61 10.95	9.06 9.59 12.91 8.68 9.60 10.06	9.53 9.52 8.90 8.18 8.97 8.31
	10.19     9.85     11.69       15.27     13.47     14.07       13.16     12.26     12.54       14.75     14.09     14.90       13.03     12.04     12.93	10.19     9.85     11.69     10.83     10.66       15.27     13.47     14.07     12.17     11.84       13.16     12.26     12.54     11.38     14.28       14.75     14.09     14.90     13.42     13.27       13.03     12.04     12.93     11.68     12.31	10.19     9.85     11.69     10.83     10.66     11.23     10.62       15.27     13.47     14.07     12.17     11.84     10.88     10.31       13.16     12.26     12.54     11.38     14.28     12.76     11.84       14.75     14.09     14.90     13.42     13.27     12.39     11.53       13.03     12.04     12.93     11.68     12.31     11.61     10.95	10.19     9.85     11.69     10.83     10.66     11.23     10.62     9.59       15.27     13.47     14.07     12.17     11.84     10.88     10.31     12.91       13.16     12.26     12.54     11.38     14.28     12.76     11.84     8.68       14.75     14.09     14.90     13.42     13.27     12.39     11.53     9.60       13.03     12.04     12.93     11.68     12.31     11.61     10.95     10.06

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2013

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.64 16.07 16.84 12.35 12.91 22.27 20.58 19.48 12.22	14.59 14.57 15.36 10.89 11.36 20.07 18.38 16.91 10.42	14.07 15.22 15.28 10.15 10.59 18.97 17.28 15.63 9.52	14.60 15.96 14.81 11.26 10.87 18.52 18.11 18.49 11.36	13.62 14.36 13.29 11.29 9.87 17.01 16.60 15.47 9.35	13.93 15.57 12.64 10.35 10.83 15.92 16.02 14.96	12.66 14.20 12.59 9.64 9.71 14.33 14.44 14.90 9.07	11.77 13.39 11.70 9.21 9.04 13.38 13.48 12.84 9.03	9.90 11.40 9.64 8.17 8.74 9.73 9.38 11.12 8.22	8.09 10.18 9.05 7.71 8.66 9.06 8.80 10.63 7.85	7.50 9.28 8.77 7.59 8.65 8.21 7.95 8.28 7.24
COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.29 10.87 18.87 14.96 16.49 15.00 16.03	13.49 10.19 15.27 13.16 14.73 13.03 14.20	12.59 9.85 13.47 12.26 14.08 12.04 13.45	13.41 11.69 14.07 12.54 14.89 12.93 14.28	12.34 10.83 12.17 11.38 13.43 11.68 12.89	12.45 10.66 11.84 14.28 13.26 12.31 12.97	11.56 11.23 10.88 12.76 12.39 11.61 12.15	11.04 10.62 10.31 11.84 11.54 10.95 11.36	9.06 9.59 12.91 8.68 9.59 10.06 9.73	9.53 8.89 8.96	9.52 8.16 8.30

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2013

	RES	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 21,600	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.64	14.59	14.07	14.60	13.62	13.93	12.66	11.77	9.90	8.09	7.50
CONSUMERS ENERGY	15.94	14.43	15.08	15.80	14.20	15.41	14.04	13.22	11.24	10.02	9.12
DTE ELECTRIC	17.84	16.36	16.27	15.17	13.65	13.00	12.95	12.06	10.00	9.41	9.13
AEP (I&M) COMBINED	12.47	11.01	10.27	11.38	11.41	10.47	9.76	9.33	8.29	7.83	7.71
NORTHERN STATES POWER	12.91	11.36	10.59	10.87	9.87	10.83	9.71	9.04	8.74	8.66	8.65
UPPER PENINSULA POWER	22.85	20.65	19.55	19.10	17.60	16.50	14.92	13.96	10.31	9.64	8.79
UPPER PENINSULA POWER IRON RIVER	21.16	18.96	17.86	18.69	17.18	16.61	15.02	14.06	9.96	9.38	8.53
WISCONSIN ELECTRIC	19.32	16.83	15.59	18.37	15.44	14.95	14.89	12.81	11.11	10.63	8.28
WISCONSIN PUBLIC SERVICE	12.22	10.42	9.52	11.36	9.35	9.14	9.07	9.03	8.22	7.85	7.24
COOPERATIVES											
CLOVERLAND	15.29	13.49	12.59	13.41	12.34	12.45	11.56	11.04	9.06		
CLOVERLAND (EDISON SAULT LEGACY)	10.87	10.19	9.85	11.69	10.83	10.66	11.23	10.62	9.59	9.53	9.52
MIDWEST ENERGY	18.87	15.27	13.47	14.07	12.17	11.84	10.88	10.31	12.91		
THUMB	14.96	13.16	12.26	12.54	11.38	14.28	12.76	11.84	8.68		
AVERAGE INVESTOR OWNED	16.70	14.96	14.31	15.04	13.59	13.43	12.56	11.70	9.75	9.06	8.33
AVERAGE COOPERATIVE	15.00	13.03	12.04	12.93	11.68	12.31	11.61	10.95	10.06		
AVERAGE ALL COMPANIES	16.18	14.36	13.61	14.39	13.00	13.08	12.26	11.47	9.85	9.10	8.45

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2013

	RES	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 21,600	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.64	14.59	14.07	14.60	13.62	13.93	12.66	11.77	9.90	8.09	7.50
CONSUMERS ENERGY	15.60	14.10	13.34	14.40	12.79	12.80	11.78	11.18	9.93	9.08	8.24
DTE ELECTRIC	17.59	16.11	16.03	15.02	13.50	12.85	12.80	11.91	9.85	9.26	8.98
AEP (I&M) COMBINED	12.47	11.01	10.27	11.38	11.41	10.47	9.76	9.33	8.29	7.83	7.71
NORTHERN STATES POWER	12.91	11.36	10.59	10.87	9.87	10.83	9.71	9.04	8.74	8.66	8.65
UPPER PENINSULA POWER	23.07	20.87	19.77	19.32	17.82	16.72	15.14	14.18	10.53	9.86	9.01
UPPER PENINSULA POWER IRON RIVER	21.38	19.18	18.08	18.91	17.40	16.83	15.24	14.28	10.18	9.60	8.75
WISCONSIN ELECTRIC	19.48	16.91	15.63	18.49	15.47	14.96	14.90	12.84	11.12	10.63	8.28
WISCONSIN PUBLIC SERVICE	12.22	10.42	9.52	11.36	9.35	9.14	9.07	9.03	8.22	7.85	7.24
COOPERATIVES											
CLOVERLAND	15.29	13.49	12.59	13.41	12.34	12.45	11.56	11.04	9.06		
CLOVERLAND (EDISON SAULT LEGACY)	10.37	9.69	9.35	11.19	10.33	10.16	10.73	10.12	9.09	9.03	9.02
MIDWEST ENERGY	18.87	15.27	13.47	14.07	12.17	11.84	10.88	10.31	12.91		
THUMB	14.96	13.16	12.26	12.54	11.38	14.28	12.76	11.84	8.68		
AVERAGE INVESTOR OWNED	16.71	14.95	14.14	14.93	13.47	13.17	12.34	11.51	9.64	8.99	8.26
AVERAGE COOPERATIVE	14.87	12.90	11.92	12.80	11.55	12.18	11.48	10.83	9.93		
AVERAGE ALL COMPANIES	16.14	14.32	13.46	14.27	12.88	12.87	12.08	11.30	9.73	8.99	8.34

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2013

	RES	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	:
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DTE ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	15.64 15.57 16.73 12.47 12.91 23.05 21.36 19.32	14.59 14.06 15.48 11.01 11.36 20.85 19.16 16.83	14.07 13.31 15.51 10.27 10.59 19.75 18.06 15.59	14.60 14.48 14.65 11.38 10.87 19.30 18.89 18.37	13.62 12.76 13.22 11.41 9.87 17.79 17.38 15.44	13.93 12.77 12.59 10.47 10.83 16.70 16.80 14.95	12.66 11.75 12.54 9.76 9.71 15.11 15.21 14.89	11.77 11.15 11.65 9.33 9.04 14.16 14.26 12.81	9.90 9.89 9.67 8.29 8.74 10.51 10.16 11.11	8.09 9.05 9.09 7.83 8.66 9.84 9.58 10.63	7.50 8.21 8.81 7.71 8.65 8.98 8.72 8.28
WISCONSIN PUBLIC SERVICE  COOPERATIVES CLOVERLAND CLOVERLAND (EDISON SAULT LEGACY) MIDWEST ENERGY THUMB	12.68 15.29 10.37 18.87 14.96	10.88 13.49 9.69 15.27 13.16	9.98 12.59 9.35 13.47 12.26	13.41 11.19 14.07 12.54	9.81 12.34 10.33 12.17 11.38	9.61 12.45 10.16 11.84 14.28	9.54 11.56 10.73 10.88 12.76	9.49 11.04 10.12 10.31 11.84	9.06 9.09 12.91 8.68	9.03	7.70 9.02
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	16.64 14.87 16.09	14.91 12.90 14.29	14.12 11.92 13.45	14.93 12.80 14.27	13.48 11.55 12.88	13.18 12.18 12.87	12.35 11.48 12.08	11.52 10.83 11.30	9.66 9.93 9.74	9.01 9.01	8.29 8.36
AVENAGE ALL COMPANIES	10.09	14.29	13.43	14.21	12.00	12.07	12.00	11.30	9.14	9.01	0.30

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2013

	RES	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 21,600	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.64	14.59	14.07	14.60	13.62	13.93	12.66	11.77	9.90	8.09	7.50
CONSUMERS ENERGY	15.20	13.69	12.94	14.40	12.39	12.47	11.45	10.85	9.66	8.81	7.97
DTE ELECTRIC	16.84	15.36	15.28	14.81	13.29	12.64	12.59	11.70	9.64	9.05	8.77
AEP (I&M) COMBINED	12.38	10.92	10.19	11.49	11.50	10.57	9.86	9.43	8.36	7.84	7.73
NORTHERN STATES POWER	12.91	11.36	10.59	10.87	9.87	10.83	9.71	9.04	8.74	8.66	8.65
UPPER PENINSULA POWER	23.07	20.87	19.77	19.32	17.81	16.72	15.13	14.18	10.53	9.86	9.00
UPPER PENINSULA POWER IRON RIVER	21.38	19.18	18.08	18.91	17.40	16.82	15.23	14.28	10.18	9.60	8.74
WISCONSIN ELECTRIC	19.48	16.91	15.63	18.49	15.47	14.96	14.90	12.84	11.12	10.63	8.28
WISCONSIN PUBLIC SERVICE	12.68	10.88	9.98	11.83	9.81	9.61	9.54	9.49	8.68	8.32	7.70
<u>COOPERATIVES</u>											
CLOVERLAND	15.29	13.49	12.59	13.41	12.34	12.45	11.56	11.04	9.06		
CLOVERLAND (EDISON SAULT LEGACY)	9.87	9.19	8.85	10.69	9.83	9.66	10.23	9.62	8.59	8.53	8.52
MIDWEST ENERGY	18.87	15.27	13.47	14.07	12.17	11.84	10.88	10.31	12.91		
THUMB	14.96	13.16	12.26	12.54	11.38	14.28	12.76	11.84	8.68		
AVERAGE INVESTOR OWNED	16.62	14.86	14.06	14.97	13.46	13.17	12.34	11.51	9.64	8.98	8.26
AVERAGE COOPERATIVE	14.75	12.78	11.79	12.68	11.43	12.06	11.36	10.70	9.81		
AVERAGE ALL COMPANIES	16.04	14.22	13.36	14.26	12.84	12.83	12.04	11.26	9.70	8.94	8.29

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2013

	RES	RESIDENTIAL		SMALL CON	IMERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	1
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	<u> </u>	100 21,600	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	15.64	14.59	14.07	14.60	13.62		13.93	12.66	11.77	9.90	8.09	7.50
CONSUMERS ENERGY	15.20	13.69	12.94	14.40	12.39		12.47	11.45	10.85	9.66	8.81	7.97
DETROIT EDISON	16.55	15.06	14.98	14.55	13.03		12.38	12.33	11.44	9.45	8.87	8.58
EDISON SAULT ELECTRIC	11.39	10.71	10.37	12.21	11.35		11.18	11.75	11.14	10.11	10.05	10.04
AEP (I&M) COMBINED	12.38	10.92	10.19	11.49	11.50		10.57	9.86	9.43	8.36	7.84	7.73
NORTHERN STATES POWER	12.91	11.36	10.59	10.87	9.87		10.83	9.71	9.04	8.74	8.66	8.65
UPPER PENINSULA POWER	23.19	20.99	19.89	19.44	17.93		16.84	15.25	14.30	10.65	9.98	9.12
UPPER PENINSULA POWER IRON RIVER	21.50	19.30	18.20	19.03	17.52		16.94	15.35	14.40	10.30	9.72	8.87
WISCONSIN ELECTRIC	19.06	16.74	15.58	18.20	15.47		15.01	14.95	12.84	11.16	10.70	8.35
WISCONSIN PUBLIC SERVICE	12.69	10.89	9.99	11.84	9.82		9.62	9.54	9.50	8.69	8.33	7.71
COOPERATIVES												
CLOVERLAND	16.23	14.43	13.53	14.35	13.28		13.38	12.50	11.98	10.00		
MIDWEST ENERGY	18.87	15.27	13.47	14.07	12.17		11.84	10.88	10.31	12.91		
THUMB	14.96	13.16	12.26	12.54	11.38		14.28	12.76	11.84	8.68		
AVERAGE INVESTOR OWNED	16.05	14.43	13.68	14.66	13.25		12.98	12.29	11.47	9.70	9.10	8.45
AVERAGE COOPERATIVE	16.69	14.29	13.09	13.65	12.27		13.17	12.05	11.38	10.53		
AVERAGE ALL COMPANIES	16.20	14.39	13.54	14.43	13.02		13.02	12.23	11.45	9.89	9.10	8.45

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2013

	RES	RESIDENTIAL		SMALL CON	IMERCIAL		LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	į	100 21,600	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED												
ALPENA POWER	15.64	14.59	14.07	14.60	13.62		13.93	12.66	11.77	9.90	8.09	7.50
CONSUMERS ENERGY	15.20	13.69	12.94	14.40	12.39		12.47	11.45	10.85	9.66	8.81	7.97
DETROIT EDISON	16.55	15.06	14.98	14.55	13.03		12.38	12.33	11.44	9.45	8.87	8.58
EDISON SAULT ELECTRIC	9.87	9.19	8.85	10.69	9.83		9.66	10.23	9.62	8.59	8.53	8.52
AEP (I&M) COMBINED	12.38	10.92	10.19	11.49	11.50		10.57	9.86	9.43	8.36	7.84	7.73
NORTHERN STATES POWER	12.91	11.36	10.59	10.87	9.87		10.83	9.71	9.04	8.74	8.66	8.65
UPPER PENINSULA POWER	23.19	20.99	19.89	19.44	17.93		16.84	15.25	14.30	10.65	9.98	9.12
UPPER PENINSULA POWER IRON RIVER	21.50	19.30	18.20	19.03	17.52		16.94	15.35	14.40	10.30	9.72	8.87
WISCONSIN ELECTRIC	19.56	16.99	15.70	18.56	15.54		15.03	14.97	12.91	11.19	10.70	8.36
WISCONSIN PUBLIC SERVICE	12.69	10.89	9.99	11.84	9.82		9.62	9.54	9.50	8.69	8.33	7.71
COOPERATIVES												
CLOVERLAND	15.29	13.49	12.59	13.41	12.34		12.45	11.56	11.04	9.06		
MIDWEST ENERGY	18.87	15.27	13.47	14.07	12.17		11.84	10.88	10.31	12.91		
THUMB	14.96	13.16	12.26	12.54	11.38		14.28	12.76	11.84	8.68		
AVERAGE INVESTOR OWNED	15.95	14.30	13.54	14.55	13.10		12.83	12.14	11.32	9.55	8.95	8.30
AVERAGE COOPERATIVE	16.37	13.97	12.77	13.34	11.96		12.85	11.74	11.06	10.22		
AVERAGE ALL COMPANIES	16.05	14.22	13.36	14.27	12.84		12.83	12.04	11.26	9.71	8.95	8.30

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2012

	RES	RESIDENTIAL			IMERCIAL	LARG	COMMER	CIAL		INDUSTRIAL	1
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED		10.10	40.00	40.4-	40.40		44.50	40.04			
ALPENA POWER	14.50	13.46	12.93	13.47	12.49	12.81	11.53	10.64	8.77	6.96	6.38
CONSUMERS ENERGY	15.07	13.57	12.82	14.36	12.35	12.29		10.67	9.48	8.64	7.79
DETROIT EDISON	16.82	15.33	15.25	14.64	13.14	12.58		11.65	9.56	8.98	8.70
EDISON SAULT ELECTRIC	9.87	9.19	8.85	10.69	9.83	9.66		9.62	8.59	8.53	8.52
AEP (I&M) COMBINED	12.37	10.91	10.18	10.83	11.04	10.14		9.00	7.94	7.42	7.31
NORTHERN STATES POWER	12.83	11.28	10.51	10.78	9.79	10.75		8.95	8.65	8.57	8.57
UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	22.26	20.06	18.96	19.68	18.17	16.87	15.28	14.33	10.35	9.68	8.83
WISCONSIN ELECTRIC	21.02 19.20	18.82 16.63	17.72 15.35	18.15 18.21	16.64 15.19	16.52 14.68		13.98 12.55	10.01 10.84	9.43 10.35	8.57 8.00
WISCONSIN PUBLIC SERVICE	19.20	10.63	9.58	11.43	9.41	9.21	9.14	9.09	8.28	7.92	7.30
WISCONSIN FOBEIC SERVICE	12.20	10.40	3.30	11.43	3.41	9.21	3.14	3.03	0.20	1.52	7.50
<u>COOPERATIVES</u>											
CLOVERLAND	13.29	11.49	10.59	11.41	10.34	10.45	9.56	9.04	7.06		
MIDWEST ENERGY	18.19	14.59	12.79	12.80	11.14	11.94	10.88	10.24	11.59		
THUMB	14.30	12.50	11.60	11.88	10.72	13.62	12.10	11.18	8.02		
AVERAGE INVESTOR OWNED	15.62	13.97	13.21	14.22	12.80	12.55	11.86	11.05	9.25	8.65	8.00
AVERAGE COOPERATIVE	15.26	12.86	11.66	12.03	10.73	12.00	10.85	10.15	8.89	2.00	2.00
AVERAGE ALL COMPANIES	15.54	13.72	12.86	13.72	12.33	12.42		10.84	9.17	8.65	8.00

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2012

	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.50 15.08 16.82 10.37 12.37 12.83 22.26 21.02 19.04 11.95	13.46 13.57 15.33 9.69 10.91 11.28 20.06 18.82 16.55 10.15	12.93 12.82 15.25 9.35 10.18 10.51 18.96 17.72 15.31 9.25	13.47 14.37 14.64 11.19 10.83 10.78 19.68 18.15 18.09 11.09	12.49 12.36 13.14 10.33 11.04 9.79 18.17 16.64 15.16 9.08	12.81 12.30 12.58 10.16 10.14 10.75 16.87 16.52 14.67 8.87	11.53 11.28 12.54 10.73 9.43 9.63 15.28 14.94 14.61 8.80	10.64 10.68 11.65 10.12 9.00 8.95 14.33 13.98 12.53 8.76	8.77 9.49 9.56 9.09 7.94 8.65 10.35 10.01 10.83 7.95	6.96 8.65 8.98 9.03 7.42 8.57 9.68 9.43 10.35 7.58	6.38 7.80 8.70 9.02 7.31 8.57 8.83 8.57 8.00 6.97
COOPERATIVES CLOVERLAND MIDWEST ENERGY ONTONAGON THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	14.79 18.19 24.44 14.30 15.62 17.93 16.28	12.99 14.59 21.44 12.50 13.98 15.38 14.38	12.09 12.79 19.94 11.60 13.23 14.11 13.48	12.91 12.80 18.73 11.88 14.23 14.08 14.19	11.84 11.14 16.74 10.72 12.82 12.61 12.76	11.95 11.94 17.18 13.62 12.57 13.67 12.88	11.06 10.88 15.46 12.10 11.88 12.37 12.02	10.54 10.24 14.42 11.18 11.06 11.60 11.22	8.56 11.59 11.45 8.02 9.26 9.90 9.45	8.67 8.67	8.02 8.02

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2012

	RESIDENTIAL		SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.50 15.08 16.82 10.37 12.37 12.83 22.16 20.93 19.20 12.15	13.46 13.57 15.33 9.69 10.91 11.28 19.96 18.73 16.63 10.35	12.93 12.82 15.25 9.35 10.18 10.51 18.86 17.63 15.35 9.45	13.47 14.37 14.64 11.19 10.83 10.78 19.58 18.06 18.21 11.30	12.49 12.36 13.14 10.33 11.04 9.79 18.07 16.55 15.19 9.28	12.81 12.30 12.58 10.16 10.14 10.75 16.78 16.43 14.68 9.08	11.53 11.28 12.54 10.73 9.43 9.63 15.19 14.84 14.62 9.01	10.64 10.68 11.65 10.12 9.00 8.95 14.23 13.89 12.55 8.96	8.77 9.49 9.56 9.09 7.94 8.65 10.26 9.91 10.84 8.15	6.96 8.65 8.98 9.03 7.42 8.57 9.59 9.33 10.35 7.79	6.38 7.80 8.70 9.02 7.31 8.57 8.73 8.48 8.00 7.17
COOPERATIVES CLOVERLAND MIDWEST ENERGY ONTONAGON THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	14.79 18.19 24.44 14.30 15.64 17.93 16.30	12.99 14.59 21.44 12.50 13.99 15.38 14.39	12.09 12.79 19.94 11.60 13.23 14.11 13.48	12.91 12.80 18.73 11.88 14.24 14.08 14.20	11.84 11.14 16.74 10.72 12.82 12.61 12.76	11.95 11.94 17.18 13.62 12.57 13.67 12.88	11.06 10.88 15.46 12.10 11.88 12.37 12.02	10.54 10.24 14.42 11.18 11.07 11.60 11.22	8.56 11.59 11.45 8.02 9.27 9.90 9.45	8.67 8.67	8.02 8.02

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2012

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.50 15.08 16.66 10.87 12.37 9.40 21.69 20.45 19.40 12.05	13.46 13.57 15.17 10.19 10.91 7.85 19.49 18.25 16.91 10.25	12.93 14.82 15.09 9.85 10.17 7.07 18.39 17.15 15.67 9.35	13.47 15.86 14.84 11.69 10.83 7.17 19.10 17.58 18.44	12.49 13.85 13.34 10.83 11.03 6.17 17.59 16.07 15.51 9.18	12.81 14.72 12.78 10.66 10.13 7.35 16.30 15.95 15.95	11.53 13.47 12.74 11.23 9.42 6.23 14.71 14.36 14.96 8.90	10.64 12.73 11.90 10.62 9.00 5.56 13.75 13.41 12.76 8.86	8.77 11.49 9.72 9.59 7.94 6.00 9.78 9.43 11.06 8.05	6.96 10.65 9.13 9.53 7.42 5.92 9.11 8.85 10.58 7.69	6.38 9.80 8.85 9.52 7.31 5.91 8.26 8.00 8.23 7.07
COOPERATIVES CLOVERLAND MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.29 18.19 24.44 17.98 14.00 15.25 17.98 16.16	13.49 14.59 21.44 14.78 12.20 13.60 15.30 14.17	12.59 12.79 19.94 13.18 11.30 13.05 13.96 13.35	13.41 12.80 18.73 12.47 11.58 14.02 13.80 13.94	12.34 11.14 16.74 10.94 10.42 12.61 12.31 12.51	12.45 11.94 17.18 12.69 13.32 12.47 13.52 12.82	11.56 10.88 15.46 11.51 11.80 11.76 12.24 11.92	11.04 10.24 14.42 10.80 10.88 10.92 11.48 11.11	9.06 11.59 11.45 9.30 7.72 9.18 9.82 9.40	8.58 8.58	7.93 7.93

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2012

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	1
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED											
ALPENA POWER	14.50	13.46	12.93	13.47	12.49	12.81	11.53	10.64	8.77	6.96	6.38
CONSUMERS ENERGY	14.77	13.26	14.51	15.56	13.55	14.42	13.16	12.42	11.18	10.34	9.49
DETROIT EDISON	16.66	15.17	15.09	14.84	13.34	12.78	12.74	11.90	9.72	9.13	8.85
EDISON SAULT ELECTRIC	11.15	10.47	10.13	11.97	11.11	10.95	11.52	10.91	9.88	9.81	9.81
AEP (I&M) COMBINED	12.37	10.91	10.17	10.83	11.03	10.13	9.42	9.00	7.94	7.42	7.31
NORTHERN STATES POWER	12.77	11.22	10.44	10.73	9.78	10.71	9.60	8.93	8.64	8.57	8.57
UPPER PENINSULA POWER	21.46	19.26	18.16	18.75	17.25	15.95	14.36	13.41	9.43	8.85	8.00
UPPER PENINSULA POWER IRON RIVER	20.45	18.25	17.15	17.58	16.07	15.95	14.36	13.41	9.43	8.85	8.00
WISCONSIN ELECTRIC	19.25	16.68	15.39	18.24	15.22	14.71	14.65	12.47	10.75	10.26	7.92
WISCONSIN PUBLIC SERVICE	12.05	10.25	9.35	11.20	9.18	8.96	8.89	8.85	8.06	7.69	7.06
COOPERATIVES											
CLOVERLAND	15.69	13.89	12.99	13.80	12.73	12.84	11.96	11.43	9.46		
MIDWEST ENERGY	18.19	14.59	12.79	12.80	11.14	11.94	10.88	10.24	11.59		
ONTONAGON	24.44	21.44	19.94	18.73	16.74	17.18	15.46	14.42	11.45		
PRESQUE ISLE	17.98	14.78	13.18	12.47	10.94	12.69	11.51	10.80	9.30		
THUMB	14.00	12.20	11.30	11.58	10.42	13.32	11.80	10.88	7.72		
AVERAGE INVESTOR OWNED	15.54	13.89	13.33	14.32	12.90	12.74	12.02	11.19	9.38	8.79	8.14
AVERAGE COOPERATIVE	18.06	15.38	14.04	13.88	12.39	13.59	12.02	11.19	9.90	0.79	0.14
AVERAGE COOPERATIVE  AVERAGE ALL COMPANIES	16.38	14.39	13.57	14.17	12.39	13.02	12.32	11.33	9.55	8.79	8.14
AVERAGE ALL CONFAMIES	10.36	14.39	13.57	14.17	12.73	13.02	12.12	11.31	9.55	0.79	0.14

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2012

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	1
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.50 14.72 17.29 11.15 12.37 12.50 21.47 20.46 19.25 12.05	13.46 13.19 15.49 10.47 10.91 11.05 19.27 18.26 16.68 10.25	12.93 14.42 15.25 10.13 10.17 10.32 18.17 17.16 15.39 9.35	13.47 15.46 14.97 11.97 10.83 10.67 18.76 17.58 18.24 11.20	12.49 13.45 13.36 11.11 11.03 9.71 17.25 16.07 15.22 9.18	12.81 14.32 12.79 10.95 10.13 10.66 15.95 15.95 14.71 8.96	11.53 13.06 12.74 11.52 9.42 9.55 14.36 14.65 8.89	10.64 12.32 11.90 10.91 9.00 8.88 13.41 13.41 12.47 8.85	8.77 11.08 9.72 9.88 7.94 8.46 9.44 9.44 10.75 8.06	6.96 10.24 9.13 9.81 7.42 8.40 8.85 8.85 10.26 7.69	6.38 9.39 8.85 9.81 7.31 8.39 8.00 7.92 7.06
COOPERATIVES CLOVERLAND MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.69 18.19 24.44 17.98 14.00 15.58 18.06 16.40	13.89 14.59 21.44 14.78 12.20 13.90 15.38 14.39	12.99 12.79 19.94 13.18 11.30 13.33 14.04 13.57	13.80 12.80 18.73 12.47 11.58 14.32 13.88 14.17	12.73 11.14 16.74 10.94 10.42 12.89 12.39 12.72	12.84 11.94 17.18 12.69 13.32 12.72 13.59 13.01	11.96 10.88 15.46 11.51 11.80 12.01 12.32 12.11	11.43 10.24 14.42 10.80 10.88 11.18 11.55 11.30	9.46 11.59 11.45 9.30 7.72 9.35 9.90 9.54	8.76 8.76	8.11 8.11

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2012

	RESIDENTIAL  250 500 1,000		SMALL COMMERCIAL		LARGE COMMERCIAL		INDUSTRIAL				
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.50 13.61 12.01 11.27 12.37 12.50 21.47 20.46 18.76 12.05	13.46 12.28 12.85 10.59 10.91 11.05 19.27 18.26 16.27 10.25	12.93 14.55 13.93 10.25 10.17 10.32 18.17 17.16 15.03 9.35	13.47 14.84 13.85 12.09 10.83 10.67 18.76 17.58 17.67	12.49 13.23 13.14 11.23 11.03 9.71 17.25 16.07 14.74 9.18	12.81 14.01 12.73 11.06 10.13 10.66 15.95 15.95 14.25 8.96	11.53 12.39 12.70 11.64 9.42 9.55 14.36 14.19 8.89	10.64 11.42 11.87 11.02 9.00 8.88 13.41 13.41 12.13 8.85	8.77 10.04 9.71 9.99 7.94 8.46 9.44 9.44 10.41 8.06	6.96 9.18 9.13 9.93 7.42 8.40 8.85 8.85 9.97 7.69	6.38 8.58 8.85 9.93 7.31 8.39 8.00 8.00 7.06 7.06
COOPERATIVES CLOVERLAND MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.69 18.19 24.44 17.98 14.95 14.90 18.25 16.02	13.89 14.59 21.44 14.78 13.15 13.52 15.57 14.20	12.99 12.79 19.94 13.18 12.25 13.19 14.23 13.53	13.80 12.80 18.73 12.47 12.53 14.10 14.07 14.09	12.73 11.14 16.74 10.94 11.37 12.81 12.58 12.73	12.84 11.94 17.18 12.69 14.27 12.65 13.78 13.03	11.96 10.88 15.46 11.51 12.75 11.90 12.51 12.11	11.43 10.24 14.42 10.80 11.83 11.06 11.74 11.29	9.46 11.59 11.45 9.30 8.67 9.23 10.09 9.52	8.64 8.64	7.96 7.96

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2012

	RESIDENTIAL 1000		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.50	13.46	12.93	13.47	12.49	12.81	11.53	10.64	8.77	6.96	6.38
CONSUMERS ENERGY	14.42	13.09	12.42	14.01	12.40	12.66	11.32	10.53	9.08	8.24	7.72
DETROIT EDISON	17.29	15.49	15.25	14.97	13.36	12.79	12.74	11.90	9.72	9.13	8.85
EDISON SAULT ELECTRIC	11.27	10.59	10.25	12.09	11.23	11.06	11.64	11.02	9.99	9.93	9.93
AEP (I&M) COMBINED	12.37	10.91	10.18	10.83	11.04	10.14	9.43	9.00	7.94	7.42	7.31
NORTHERN STATES POWER	12.50	11.05	10.32	10.67	9.71	10.66	9.55	8.88	8.46	8.40	8.39
UPPER PENINSULA POWER	21.47	19.27	18.17	18.76	17.25	15.95	14.36	13.41	9.44	8.85	8.00
UPPER PENINSULA POWER IRON RIVER	20.46	18.26	17.16	17.58	16.07	15.95	14.36	13.41	9.44	8.85	8.00
WISCONSIN ELECTRIC	18.93	16.36	15.07	17.79	14.77	14.26	14.20	12.16	10.42	9.97	7.06
WISCONSIN PUBLIC SERVICE	12.07	10.27	9.37	11.22	9.20	8.98	8.91	8.87	8.08	7.71	7.09
COOPERATIVES											
CLOVERLAND	15.69	13.89	12.99	13.80	12.73	12.84	11.96	11.43	9.46		
MIDWEST ENERGY	18.19	14.59	12.79	12.80	11.14	11.94	10.88	10.24	11.59		
ONTONAGON	24.44	21.44	19.94	18.73	16.74	17.18	15.46	14.42	11.45		
PRESQUE ISLE	17.98	14.78	13.18	12.47	10.94	12.69	11.51	10.80	9.30		
THUMB	15.25	13.45	12.55	12.83	11.67	14.57	13.05	12.13	8.97		
AVERAGE INVESTOR OWNED	15.53	13.87	13.11	14.14	12.75	12.52	11.80	10.98	9.14	8.55	7.87
AVERAGE COOPERATIVE	18.31	15.63	14.29	14.13	12.73	13.84	12.57	11.80	10.15	0.00	7.07
AVERAGE ALL COMPANIES	16.46	14.46	13.51	14.13	12.72	12.96	12.06	11.26	9.47	8.55	7.87
AVENAGE ALL GOWIF ANILG	10.40	17.40	10.01	14.13	12.12	12.30	12.00	11.20	5.47	0.55	7.07

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2012

	<b>RESIDENTIAL</b> 250 500 1000		SMALL COMMERCIAL		LARGE COMMERCIAL		<u>INDUSTRIAL</u>				
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.50 14.45 17.19 11.19 11.82 12.50 22.06 21.04 19.16 12.45	13.46 13.12 15.39 10.51 10.37 11.05 19.86 18.84 16.68 10.65	12.93 12.46 15.15 10.17 9.65 10.32 18.76 17.74 15.43 9.75	13.47 13.76 14.87 12.09 10.28 10.67 19.34 18.17 18.07 11.60	12.49 12.44 13.26 11.23 10.06 9.71 17.83 16.66 15.15 9.58	12.81 12.70 12.69 11.06 9.51 10.66 16.54 16.54 14.65 9.36	11.53 11.37 12.64 11.41 8.83 9.55 14.95 14.95 14.59 9.29	10.64 10.58 11.80 10.84 8.42 8.88 13.99 13.99 12.54 9.25	8.77 9.12 9.62 9.98 7.41 8.46 10.03 10.03 10.81 8.46	6.96 8.29 9.04 9.93 6.90 8.40 9.44 9.44 10.37 8.09	6.38 7.78 8.76 9.93 6.78 8.39 8.58 8.58 7.47
COOPERATIVES CLOVERLAND MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB  AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.69 18.19 24.44 17.98 15.75 15.64 18.41 16.56	13.89 14.59 21.44 14.78 13.95 13.99 15.73 14.57	12.99 12.79 19.94 13.18 13.05 13.24 14.39 13.62	13.80 12.80 18.73 12.47 13.33 14.23 14.23	12.73 11.14 16.74 10.94 12.17 12.84 12.74 12.81	12.84 11.94 17.18 12.69 15.07 12.65 13.94 13.08	11.96 10.88 15.46 11.51 13.55 11.91 12.67 12.16	11.43 10.24 14.42 10.80 12.63 11.09 11.90 11.36	9.46 11.59 11.45 9.30 9.47 9.27 10.25 9.60	8.68 8.68	8.01 8.01

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2012

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.50	13.46	12.93	13.47	12.49	12.81	11.53	10.64	8.77	6.96	6.38
CONSUMERS ENERGY	14.47	13.14	12.47	13.78	12.46	12.71	11.38	10.60	9.13	8.31	7.79
DETROIT EDISON	17.20	15.40	15.16	14.89	13.28	12.69	12.65	11.80	9.62	9.04	8.76
EDISON SAULT ELECTRIC	11.19	10.51	10.17	12.09	11.23	11.06	11.41	10.84	9.98	9.93	9.93
AEP (I&M) COMBINED	11.32	9.87	9.15	10.28	10.06	9.51	8.83	8.42	7.41	6.90	6.78
NORTHERN STATES POWER	12.50	11.05	10.32	10.67	9.71	10.66	9.55	8.88	8.46	8.40	8.39
UPPER PENINSULA POWER	22.15	19.95	18.85	19.43	17.92	16.63	15.04	14.08	10.12	9.53	8.67
UPPER PENINSULA POWER IRON RIVER	21.13	18.93	17.83	18.26	16.75	16.63	15.04	14.08	10.12	9.53	8.67
WISCONSIN ELECTRIC	19.33	16.76	15.47	18.19	15.17	14.66	14.60	12.56	10.82	10.37	7.47
WISCONSIN PUBLIC SERVICE	12.58	10.78	9.88	11.73	9.71	9.48	9.42	9.37	8.59	8.21	7.59
COOPERATIVES											
CLOVERLAND	15.69	13.89	12.99	13.80	12.73	12.84	11.96	11.43	9.46		
GREAT LAKES	18.75	15.09	13.26	13.46	11.64	11.74	10.83	10.28	7.64		
MIDWEST ENERGY	18.19	14.59	12.79	12.80	11.14	11.94	10.88	10.24	11.59		
ONTONAGON	24.44	21.44	19.94	18.73	16.74	17.18	15.46	14.42	11.45		
PRESQUE ISLE	17.98	14.78	13.18	12.47	10.94	12.69	11.51	10.80	9.30		
THUMB	15.99	14.19	13.29	13.57	12.41	15.31	13.79	12.87	9.71		
AVERAGE INVESTOR OWNED	15.64	13.98	13.22	14.28	12.88	12.68	11.94	11.13	9.30	8.72	8.04
AVERAGE COOPERATIVE	18.51	15.66	14.24	14.14	12.60	13.62	12.40	11.67	9.86		
AVERAGE ALL COMPANIES	16.71	14.61	13.61	14.23	12.77	13.03	12.12	11.33	9.51	8.72	8.04

Source: Michigan Public Service Commission Utility Rate Books

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2012

	RES	SIDENTIA	<u>.L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	ı
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER	14.50 14.64 17.44 11.19 11.71 12.62	13.46 13.31 15.64 10.51 10.16 11.17	12.93 12.64 15.40 10.17 9.39 10.45	13.47 13.91 14.92 12.09 11.52 10.79	12.49 12.62 13.31 11.23 10.78 9.83	12.81 12.85 12.72 11.06 10.24 10.78	11.53 11.52 12.68 11.41 9.60 9.67	10.64 10.73 11.84 10.84 9.22 9.01	8.77 9.26 9.66 9.98 7.93 8.59	6.96 8.47 9.07 9.93 7.23 8.52	6.38 7.92 8.79 9.93 7.04 8.51
UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	22.26 21.24 19.00 12.85	20.06 19.04 16.59 11.05	18.96 17.94 15.39 10.15	72.60 18.37 17.95 12.01	71.09 16.86 15.12 9.99	16.74 16.74 14.65 9.76	15.15 15.15 14.59 9.70	14.19 14.19 12.51 9.65	10.23 10.23 10.80 8.87	9.64 9.64 10.37 8.49	8.78 8.78 7.47 7.87
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	15.69 18.75 18.19 24.44 17.98 15.99	13.89 15.09 14.59 21.44 14.78 14.19	12.99 13.26 12.79 19.94 13.18 13.29	13.80 13.46 12.80 18.73 12.47 13.57	12.73 11.64 11.14 16.74 10.94 12.41	12.84 11.74 11.94 17.18 12.69 15.31	11.96 10.83 10.88 15.46 11.51 13.79	11.43 10.28 10.24 14.42 10.80 12.87	9.46 7.64 11.59 11.45 9.30 9.71		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.75 18.51 16.78	14.10 15.66 14.69	13.34 14.24 13.68	19.76 14.14 17.65	18.33 12.60 16.18	12.84 13.62 13.13	12.10 12.40 12.21	11.28 11.67 11.43	9.43 9.86 9.59	8.83 8.83	8.15 8.15

Source: Michigan Public Service Commission Utility Rate Books

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2012

	<u>RESIDENTIAL</u> 250 500 1,000		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	14.50	13.46	12.93	13.47	12.49	12.81	11.53	10.64	8.77	6.96	6.38
CONSUMERS ENERGY	14.70	13.37	12.70	14.30	12.69	12.94	11.61	10.82	9.36	8.53	8.02
DETROIT EDISON	17.52	15.72	15.47	15.00	13.38	12.80	12.75	11.91	9.73	9.14	8.86
EDISON SAULT ELECTRIC	11.19	10.51	10.17	12.09	11.23	11.06	11.41	10.84	9.98	9.93	9.93
AEP (I&M) COMBINED	11.66	10.11	9.34	11.35	10.75	10.24	9.60	9.21	7.89	7.22	7.04
NORTHERN STATES POWER	12.62	11.17	10.45	10.79	9.83	10.78	9.67	9.01	8.59	8.52	8.51
UPPER PENINSULA POWER	22.71	20.51	19.41	73.05	71.53	17.18	15.60	14.64	10.67	10.09	9.23
UPPER PENINSULA POWER IRON RIVER	21.69	19.49	18.39	18.82	17.30	17.18	15.60	14.64	10.67	10.09	9.23
WISCONSIN ELECTRIC	19.33	16.76	15.47	18.19	15.17	14.66	14.60	12.56	10.82	10.37	7.47
WISCONSIN PUBLIC SERVICE	12.85	11.05	10.15	12.01	9.99	9.76	9.70	9.65	8.87	8.49	7.87
COOPERATIVES											
CLOVERLAND	14.29	12.49	11.59	12.41	11.34	11.45	10.56	10.04	8.06		
GREAT LAKES	18.75	15.09	13.26	13.46	11.64	11.74	10.83	10.28	7.64		
MIDWEST ENERGY	18.19	14.59	12.79	12.80	11.14	11.94	10.88	10.24	11.59		
ONTONAGON	24.44	21.44	19.94	18.73	16.74	17.18	15.46	14.42	11.45		
PRESQUE ISLE	17.23	14.03	12.43	11.71	10.19	11.94	10.75	10.04	8.55		
THUMB	15.99	14.19	13.29	13.57	12.41	15.31	13.79	12.87	9.71		
AVERAGE INVESTOR OWNED	15.88	14.21	13.45	19.90	18.44	12.94	12.21	11.39	9.54	8.93	8.25
AVERAGE COOPERATIVE	18.15	15.31	13.88	13.78	12.24	13.26	12.04	11.32	9.50		
AVERAGE ALL COMPANIES	16.73	14.62	13.61	17.61	16.11	13.06	12.15	11.36	9.52	8.93	8.25

Source: Michigan Public Service Commission Utility Rate Books

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
INVESTOR OWNED	45.50		40.00	44.04	40.07	40.07		40.00			2.24
ALPENA POWER	15.78	14.18	13.38	14.31	12.87	13.07	11.79	10.90	9.05	7.22	6.64
CONSUMERS ENERGY	13.89	12.56	11.90	13.92	12.20	12.25	10.91	10.13	9.05	8.29	7.71
DETROIT EDISON EDISON SAULT ELECTRIC	16.41 11.00	14.61 10.32	14.37 9.98	13.85 11.91	12.25 11.04	11.75 10.88	11.71 11.22	10.88 10.66	8.76 9.79	8.24 9.74	7.96 9.74
AEP (I&M) COMBINED	10.79	9.34	9.96 8.61	10.63	10.04	9.55	8.96	8.60	7.33	9.74 6.68	9.74 6.50
NORTHERN STATES POWER	12.40	10.95	10.23	10.57	9.61	10.56	9.45	8.78	8.37	8.30	8.29
UPPER PENINSULA POWER	20.12	18.12	17.12	18.22	16.90	15.45	13.89	12.95	9.53	8.99	8.14
UPPER PENINSULA POWER IRON RIVER	17.57	15.57	14.57	15.79	14.47	14.51	13.29	12.56	9.53	8.99	8.14
WISCONSIN ELECTRIC	18.96	16.39	15.10	17.75	14.91	14.44	14.38	12.21	10.75	10.36	7.46
WISCONSIN PUBLIC SERVICE	11.83	10.03	9.13	10.94	9.00	8.76	8.70	8.66	7.86	7.52	6.90
COOPERATIVES											
CLOVERLAND	14.23	12.43	11.53	12.22	11.30	10.85	10.12	9.68	8.03		
GREAT LAKES	18.27	14.61	12.78	12.83	11.16	11.29	10.38	9.84	7.13		
MIDWEST ENERGY	16.53	13.53	12.03	12.13	10.74	11.13	10.09	9.47	10.48		
ONTONAGON	23.19	20.79	19.59	18.75	16.73	17.14	15.42	14.39	11.71		
PRESQUE ISLE	17.16	13.96	12.36	11.67	10.18	11.80	10.65	9.96	8.56		
THUMB	15.49	13.69	12.79	13.01	11.96	14.30	12.93	12.10	9.27		
AVERAGE INVESTOR OWNED	14.87	13.21	12.44	13.79	12.33	12.12	11.43	10.63	9.00	8.43	7.75
AVERAGE COOPERATIVE	17.48	14.84	13.52	13.44	12.01	12.75	11.60	10.91	9.20		
AVERAGE ALL COMPANIES	15.85	13.82	12.84	13.66	12.21	12.36	11.49	10.74	9.08	8.43	7.75

Source: Michigan Public Service Commission Utility Rate Books

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER	15.78	14.18	13.38	14.31	12.87	13.07	11.79	10.90	9.05	7.22	6.64
CONSUMERS ENERGY	13.76	12.49	11.83	13.41	12.07	12.14	10.81	10.90	8.99	8.23	7.65
DETROIT EDISON	16.41	14.61	14.37	13.85	12.25	11.75	11.71	10.88	8.76	8.24	7.96
EDISON SAULT ELECTRIC	11.00	10.32	9.98	11.91	11.04	10.88	11.22	10.66	9.79	9.74	9.74
AEP (I&M) COMBINED	10.79	9.34	8.61	10.63	10.04	9.55	8.96	8.60	7.33	6.68	6.50
NORTHERN STATES POWER	12.40	10.95	10.23	10.57	9.61	10.56	9.45	8.78	8.37	8.30	8.29
UPPER PENINSULA POWER	20.12	18.12	17.12	18.22	16.90	15.45	13.89	12.95	9.53	8.99	8.14
UPPER PENINSULA POWER IRON RIVER	17.57	15.57	14.57	15.79	14.47	14.51	13.29	12.56	9.53	8.99	8.14
WISCONSIN ELECTRIC	18.79	16.30	15.06	17.64	14.89	14.43	14.37	12.20	10.74	10.36	7.46
WISCONSIN PUBLIC SERVICE	11.83	10.03	9.13	10.94	9.00	8.76	8.70	8.66	7.86	7.52	6.90
COOPERATIVES											
CLOVERLAND	13.23	11.43	10.53	11.22	10.30	9.85	9.12	8.68	7.03		
GREAT LAKES	16.89	13.89	12.39	12.83	11.16	11.29	10.38	9.84	7.13		
MIDWEST ENERGY	16.53	13.53	12.03	12.13	10.74	11.13	10.09	9.47	10.48		
ONTONAGON	23.19	20.79	19.59	18.75	16.73	17.14	15.42	14.39	11.71		
PRESQUE ISLE	17.16	13.96	12.36	11.67	10.18	11.80	10.65	9.96	8.56		
THUMB	15.49	13.69	12.79	13.01	11.96	14.30	12.93	12.10	9.27		
AVERAGE INVESTOR OWNED	14.85	13.19	12.43	13.73	12.32	12.11	11.42	10.62	9.00	8.43	7.74
AVERAGE COOPERATIVE	17.08	14.55	13.28	13.27	11.85	12.58	11.43	10.74	9.03		
AVERAGE ALL COMPANIES	15.69	13.70	12.75	13.55	12.14	12.29	11.42	10.67	9.01	8.43	7.74

Source: Michigan Public Service Commission Utility Rate Books

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2011

	<u>RESIDENTIAL</u> 250 500 1,000		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.78 13.87 15.74 11.00 10.81 12.40 19.45 17.57 18.60 11.87	14.18 12.54 13.94 10.32 9.36 10.95 17.45 15.57 16.03 10.07	13.38 11.87 13.74 9.98 8.64 10.23 16.45 14.57 14.74 9.17	14.31 13.46 13.59 11.91 10.65 10.57 18.06 15.79 17.41	12.87 12.14 12.06 11.04 10.06 9.61 16.74 14.47 14.57 9.04	13.07 12.19 11.57 10.88 9.58 10.56 15.35 14.51 14.09 8.80	11.79 10.86 11.53 11.22 8.98 9.45 13.78 13.29 14.03 8.74	10.90 10.07 10.77 10.66 8.62 8.78 12.84 12.56 11.98 8.70	9.05 9.09 8.63 9.79 7.36 8.37 9.53 9.45 10.52 7.90	7.22 8.33 8.11 9.74 6.70 8.30 8.91 8.91 10.13 7.56	6.64 7.75 7.85 9.74 6.53 8.29 8.06 8.06 7.23 6.94
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	15.28 16.89 16.53 23.19 16.47 15.49	13.48 13.89 13.53 20.79 13.47 13.69	12.58 12.39 12.03 19.59 11.97 12.79	13.27 12.83 12.13 18.75 11.67 13.01	12.35 11.16 10.74 16.73 10.18 11.96	11.89 11.29 11.13 17.14 11.80 14.30	11.16 10.38 10.09 15.42 10.65 12.93	10.72 9.84 9.47 14.39 9.96 12.10	9.08 7.13 10.48 11.71 8.56 9.27		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	14.71 17.31 15.68	13.04 14.81 13.70	12.28 13.56 12.76	13.67 13.61 13.65	12.26 12.19 12.23	12.06 12.93 12.38	11.37 11.77 11.52	10.59 11.08 10.77	8.97 9.37 9.12	8.39 8.39	7.71 7.71

Source: Michigan Public Service Commission Utility Rate Books

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL		INDUSTRIAL				
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
<u>INVESTOR OWNED</u> ALPENA POWER	15.78	14.18	13.38	14.31	12.87	13.07	11.79	10.90	9.05	7.22	6.64
CONSUMERS ENERGY DETROIT EDISON	13.95 15.50	12.62 13.70	14.89 13.49	15.09 13.48	13.78 11.89	14.34 11.38	12.72 11.34	11.76 10.58	10.72 8.51	9.88 7.99	9.28 7.72
EDISON SAULT ELECTRIC AEP (I&M) COMBINED	11.00 10.81	10.32	9.98 8.64	11.91 10.65	11.04 10.06	10.88 9.58	11.22	10.66 8.62	9.79 7.36	9.74 6.70	9.74 6.53
NORTHERN STATES POWER UPPER PENINSULA POWER	12.40 19.70	10.95 17.70	10.23 16.70	10.57 18.32	9.61 17.00	10.56 15.61	9.45 14.04	8.78 13.10	8.37 9.79	8.30 9.17	8.29 8.31
UPPER PENINSULA POWER IRON RIVER	17.82	15.82	14.82	16.04	14.72	14.77	13.55	12.82	9.71	9.17	8.31
WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	18.37 12.01	15.88 10.21	14.64 9.31	17.23 11.13	14.48 9.19	14.02 8.95	13.96 8.89	11.90 8.85	10.45 8.05	10.06 7.71	7.17 7.09
COOPERATIVES	45.00	40.40	40.50	10.07	10.05	44.00	44.40	40.70	0.00		
CLOVERLAND GREAT LAKES	15.28 16.89	13.48 13.89	12.58 12.39	13.27 12.83	12.35 11.16	11.89 11.29	11.16 10.38	10.72 9.84	9.08 7.13		
MIDWEST ENERGY ONTONAGON	16.53 23.19	13.53 20.79	12.03 19.59	12.13 18.75	10.74 16.73	11.13 17.14	10.09 15.42	9.47 14.39	10.48 11.71		
PRESQUE ISLE THUMB	16.47 15.49	13.47 13.69	11.97 12.79	11.67 13.01	10.18 11.96	11.80 14.30	10.65 12.93	9.96 12.10	8.56 9.27		
AVERAGE INVESTOR OWNED	14.74	13.08	12.61	13.87	12.46	12.31	11.59	10.80	9.18	8.59	7.91
AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	17.31 15.70	14.81 13.73	13.56 12.97	13.61 13.77	12.19 12.36	12.93 12.54	11.77 11.66	11.08 10.90	9.37 9.25	8.59	7.91

Source: Michigan Public Service Commission Utility Rate Books

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL		CIAL	INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.78 14.66 15.74 11.00 10.81 12.40 20.70 19.15 18.53 12.01	14.18 12.96 13.94 10.32 9.36 10.95 18.70 17.15 15.96 10.21	13.38 15.04 13.74 9.98 8.64 10.23 17.70 16.15 14.68 9.31	14.31 15.32 13.67 11.91 10.65 10.57 18.80 16.57 17.34 11.13	12.87 13.94 12.07 11.04 10.06 9.61 17.48 15.25 14.50 9.19	13.07 14.34 11.57 10.88 9.58 10.56 16.04 15.09 14.03 8.95	11.79 12.72 11.53 11.22 8.98 9.45 14.47 13.87 13.97 8.89	10.90 11.74 10.77 10.66 8.62 8.78 13.53 13.14 11.92 8.85	9.05 10.70 8.63 9.79 7.36 8.37 10.11 10.41 10.45 8.05	7.22 9.84 8.11 9.74 6.70 8.30 9.57 10.06 7.71	6.64 9.24 7.85 9.74 6.53 8.29 8.72 8.72 7.17
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	15.28 16.89 16.53 23.19 16.47 15.49	13.48 13.89 13.53 20.79 13.47 13.69	12.58 12.39 12.03 19.59 11.97 12.79	13.27 12.83 12.13 18.75 11.67 13.01	12.35 11.16 10.74 16.73 10.18 11.96	11.89 11.29 11.13 17.14 11.80 14.30	11.16 10.38 10.09 15.42 10.65 12.93	10.72 9.84 9.47 14.39 9.96 12.10	9.08 7.13 10.48 11.71 8.56 9.27		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.08 17.31 15.92	13.37 14.81 13.91	12.88 13.56 13.14	14.03 13.61 13.87	12.60 12.19 12.45	12.41 12.93 12.60	11.69 11.77 11.72	10.89 11.08 10.96	9.26 9.37 9.30	8.68 8.68	8.00 8.00

Source: Michigan Public Service Commission Utility Rate Books

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2011

	RESIDENTIAL  250 500 1,000		<u>.L</u>	SMALL CON	IMERCIAL	LARGE	COMMER	<u>CIAL</u>		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
<u>INVESTOR OWNED</u> ALPENA POWER	15.78	14.18	13.38	14.31	12.87	13.07	11.79	10.90	9.05	7.22	6.64
CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC	14.70 15.73 11.00	13.00 13.93 10.32	15.08 13.72 9.98	15.37 13.34 11.91	13.98 11.74 11.04	14.39 11.24 10.88	12.76 11.20 11.22	11.78 10.44 10.66	10.74 8.30 9.79	9.89 7.78 9.74	9.28 7.51 9.74
AEP (I&M) COMBINED NORTHERN STATES POWER	9.71 10.94	8.26 10.09	7.53 9.67	9.50 10.22	8.80 9.50	8.32 9.71	7.72 8.79	7.36 8.25	6.22 7.88	6.70 7.83	5.61 7.83
UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	20.82 19.27 18.53	18.82 17.27 15.96	17.82 16.27 14.68	18.92 16.69 17.34	17.60 15.37 14.50	16.16 15.21 14.03	14.59 13.99 13.97	13.65 13.26 11.92	10.23 10.23 10.45	9.69 9.69 10.06	8.84 8.84 7.17
WISCONSIN PUBLIC SERVICE	12.10	10.30	9.40	11.22	9.27	9.03	8.97	8.94	8.14	7.79	7.17
COOPERATIVES CLOVERLAND GREAT LAKES	15.28 16.89	13.48 13.89	12.58 12.39	13.27 12.83	12.35 11.16	11.89 11.29	11.16 10.38	10.72 9.84	9.08 7.13		
MIDWEST ENERGY ONTONAGON	16.43 23.19	13.43 20.79	11.93 19.59	12.03 18.75	10.64 16.73	11.03 17.14	9.99 15.42	9.37 14.39	10.38 11.71		
PRESQUE ISLE THUMB	16.47 15.49	13.47 13.69	11.97 12.79	11.67 13.01	10.18 11.96	11.80 14.30	10.65 12.93	9.96 12.10	8.56 9.27		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE	14.86 17.29	13.21 14.79	12.75 13.54	13.88 13.59	12.47 12.17	12.20 12.91	11.50 11.76	10.72 11.06	9.10 9.35	8.64	7.86
AVERAGE ALL COMPANIES	15.77	13.81	13.05	13.77	12.36	12.47	11.60	10.85	9.20	8.64	7.86

Source: Michigan Public Service Commission Utility Rate Books

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
<u>INVESTOR OWNED</u> ALPENA POWER	15.78	14.18	13.38	14.31	12.87	13.07	11.79	10.90	9.05	7.22	6.64
CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC	14.70 15.74 11.00	13.00 13.94 10.32	15.08 13.74 9.98	15.37 13.67 11.91	13.98 12.07 11.04	14.39 11.57 10.88	12.76 11.53 11.22	11.78 10.77 10.66	10.74 8.63 9.79	9.89 8.11 9.74	9.28 7.85 9.74
AEP (I&M) COMBINED NORTHERN STATES POWER	10.81 10.94	9.36 10.09	9.96 8.64 9.67	10.65 10.22	10.06 9.50	9.58 9.71	8.98 8.79	8.62 8.25	7.36 7.88	6.70 7.83	6.53 7.83
UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	20.88	18.88 17.33	17.88 16.33	18.98 16.75	17.66 15.43	16.22 15.27	14.65 14.05	13.71 13.32	10.29 10.29	9.75 9.75	8.90 8.90
WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	18.37 12.10	15.88 10.30	14.64 9.40	17.23 11.22	14.48 9.29	14.02 9.08	13.96 9.02	11.90 8.98	10.45 8.14	10.06 7.81	7.17 7.19
<u>COOPERATIVES</u> CLOVERLAND	15.28	13.48	12.58	13.27	12.35	11.89	11.16	10.72	9.08		
GREAT LAKES MIDWEST ENERGY ONTONAGON	16.89 16.43 23.19	13.89 13.43 20.79	12.39 11.93 19.59	12.83 12.03 18.75	11.16 10.64 16.73	11.29 11.03 17.14	10.38 9.99 15.42	9.84 9.37 14.39	7.13 10.38 11.71		
PRESQUE ISLE THUMB	16.47 15.49	13.47 13.69	11.97 12.79	11.67 13.01	10.18 11.96	11.80 14.30	10.65 12.93	9.96 12.10	8.56 9.27		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE	14.97 17.29	13.33 14.79	12.87 13.54	14.03 13.59	12.64 12.17	12.38 12.91	11.68 11.76	10.89 11.06	9.26 9.35	8.69	8.00
AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.84	13.88	13.12	13.87	12.17	12.58	11.70	10.95	9.30	8.69	8.00

Source: Michigan Public Service Commission Utility Rate Books

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.78 14.69 15.74 11.00 10.81 10.94 20.88 19.33 18.53 12.23	14.18 12.99 13.94 10.32 9.36 10.09 18.88 17.33 15.96 10.43	13.38 12.14 13.74 9.98 8.64 9.67 17.88 16.33 14.68 9.53	14.31 13.81 13.67 11.91 10.65 10.22 18.98 16.75 17.34	12.87 12.42 12.07 11.04 10.06 9.50 17.66 15.43 14.50 9.42	13.07 12.31 11.57 10.88 9.58 9.71 16.22 15.27 14.03 9.22	11.79 10.97 11.53 11.22 8.98 8.79 14.65 14.05 13.97 9.15	10.90 10.17 10.77 10.66 8.62 8.25 13.71 13.32 11.92 9.11	8.30 9.19 8.63 9.79 7.36 7.88 10.29 10.29 10.45 8.28	6.65 8.43 8.11 9.74 6.70 7.83 9.75 9.75 10.06 7.94	6.64 7.84 7.85 9.74 6.53 7.83 8.90 8.90 7.17
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	15.28 16.89 16.43 23.19 16.47 15.49	13.48 13.89 13.43 20.79 13.47 13.69	12.58 12.39 11.93 19.59 11.97 12.79	13.27 12.83 12.03 18.75 11.67 13.01	12.35 11.16 10.64 16.73 10.18 11.96	11.89 11.29 11.03 17.14 11.80 14.30	11.16 10.38 9.99 15.42 10.65 12.93	10.72 9.84 9.37 14.39 9.96 12.10	9.08 7.13 10.38 11.71 8.56 9.27		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	15.00 17.29 15.86	13.35 14.79 13.89	12.60 13.54 12.95	13.90 13.59 13.78	12.50 12.17 12.38	12.18 12.91 12.46	11.51 11.76 11.60	10.74 11.06 10.86	9.05 9.35 9.16	8.50 8.50	7.87 7.87

Source: Michigan Public Service Commission Utility Rate Books

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.78	14.18	13.38	14.31	12.87	13.07	11.79	10.90	8.30	6.65	6.64
CONSUMERS ENERGY	14.65	12.95	12.10	13.77	12.39	12.27	10.93	10.13	9.16	8.39	7.81
DETROIT EDISON	15.36	13.56	13.35	13.43	11.84	11.33	11.29	10.51	8.44	7.93	7.66
EDISON SAULT ELECTRIC	10.79	10.11	9.77	11.69	10.83	10.66	11.01	10.44	9.58	9.53	9.52
AEP (I&M) COMBINED	10.81	9.36	8.64	10.65	10.06	9.58	8.98	8.62	7.36	6.70	6.53
NORTHERN STATES POWER	10.94	10.09	9.67	10.22	9.50	9.71	8.79	8.25	7.88	7.83	7.83
UPPER PENINSULA POWER	21.07	19.07	18.07	19.16	17.85	16.40	14.84	13.90	10.47	9.94	9.09
UPPER PENINSULA POWER IRON RIVER	19.52	17.52	16.52	16.93	15.62	15.46	14.24	13.51	10.47	9.94	9.09
WISCONSIN ELECTRIC	18.43	15.94	14.70	17.29	14.54	14.08	14.03	11.97	10.51	10.13	7.23
WISCONSIN PUBLIC SERVICE	12.23	10.43	9.53	11.35	9.42	9.22	9.15	9.11	8.28	7.94	7.32
COOPERATIVES											
CLOVERLAND	15.12	13.32	12.42	13.11	12.19	11.74	11.01	10.57	8.92		
GREAT LAKES	16.89	13.89	12.39	12.83	11.16	11.29	10.38	9.84	7.13		
MIDWEST ENERGY	16.43	13.43	11.93	12.03	10.64	11.03	9.99	9.37	10.38		
ONTONAGON	23.19	20.79	19.59	18.75	16.73	17.14	15.42	14.39	11.71		
PRESQUE ISLE	16.47	13.47	11.97	11.67	10.18	11.80	10.65	9.96	8.56		
THUMB	15.69	13.89	12.99	13.21	12.16	14.50	13.13	12.30	9.47		
AVERAGE INVESTOR OWNED	14.96	13.32	12.57	13.88	12.49	12.18	11.50	10.73	9.04	8.50	7.87
AVERAGE COOPERATIVE	17.30	14.80	13.55	13.60	12.18	12.92	11.76	11.07	9.36		
AVERAGE ALL COMPANIES	15.84	13.88	12.94	13.78	12.37	12.45	11.60	10.86	9.16	8.50	7.87

Source: Michigan Public Service Commission Utility Rate Books

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 <u>28,800</u>	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>	
INVESTOR OWNED												
ALPENA POWER	15.78	14.18	13.38	14.31	12.87	13.07	11.79	10.90	8.30	6.65	6.64	
CONSUMERS ENERGY	14.66	12.96	12.11	13.78	12.39	12.28	10.94	10.14	9.16	8.39	7.81	
DETROIT EDISON	15.36	13.56	13.35	13.43	11.84	11.33	11.29	10.51	8.44	7.93	7.66	
EDISON SAULT ELECTRIC	10.79	10.11	9.77	11.69	10.83	10.66	11.01	10.44	9.58	9.53	9.52	
AEP (I&M) COMBINED	10.69	9.24	8.52	10.53	9.94	9.46	8.86	8.50	7.23	6.58	6.41	
NORTHERN STATES POWER	10.94	10.09	9.67	10.22	9.50	9.71	8.79	8.25	7.88	7.83	7.83	
UPPER PENINSULA POWER	21.12	19.12	18.12	19.22	17.90	16.46	14.89	13.95	10.53	10.00	9.14	
UPPER PENINSULA POWER IRON RIVER	19.58	17.58	16.58	16.99	15.67	15.51	14.30	13.57	10.53	10.00	9.14	
WISCONSIN ELECTRIC	18.61	16.04	14.76	17.42	14.58	14.11	14.05	12.00	10.53	10.14	7.25	
WISCONSIN PUBLIC SERVICE	12.27	10.47	9.57	11.39	9.46	9.25	9.19	9.14	8.31	7.98	7.36	
COOPERATIVES												
CLOVERLAND	15.12	13.32	12.42	13.11	12.19	11.74	11.01	10.57	8.92			
GREAT LAKES	16.89	13.89	12.39	12.83	11.16	11.29	10.38	9.84	7.13			
MIDWEST ENERGY	16.43	13.43	11.93	12.03	10.64	11.03	9.99	9.37	10.38			
ONTONAGON	23.19	20.79	19.59	18.75	16.73	17.14	15.42	14.39	11.71			
PRESQUE ISLE	16.47	13.47	11.97	11.67	10.18	11.80	10.65	9.96	8.56			
THUMB	15.69	13.89	12.99	13.21	12.16	14.50	13.13	12.30	9.47			
AVERAGE INVESTOR OWNED	14.98	13.34	12.58	13.90	12.50	12.18	11.51	10.74	9.05	8.50	7.88	
AVERAGE COOPERATIVE	17.30	14.80	13.55	13.60	12.18	12.92	11.76	11.07	9.36			
AVERAGE ALL COMPANIES	15.85	13.88	12.95	13.79	12.38	12.46	11.61	10.86	9.17	8.50	7.88	

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>	
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.78 14.61 13.47 10.79 10.69 10.94 21.14 19.60 18.11 12.32	14.18 12.91 11.67 10.11 9.24 10.09 19.14 17.60 15.79 10.52	13.38 12.06 11.46 9.77 8.52 9.67 18.14 16.60 14.63 9.62	14.31 13.73 13.41 11.69 10.53 10.22 19.24 17.01 17.08	12.87 12.34 12.04 10.83 9.94 9.50 17.92 15.69 14.51 9.51	13.07 12.23 11.54 10.66 9.46 9.71 16.48 15.54 14.08 9.31	11.79 10.89 11.50 11.01 8.86 8.79 14.91 14.32 14.03 9.24	10.90 10.08 10.72 10.44 8.50 8.25 13.97 13.59 11.95 9.20	8.30 9.11 8.65 9.58 7.23 7.88 10.55 10.55	6.65 8.34 8.14 9.53 6.58 7.83 10.02 10.02 10.14 8.03	6.64 7.76 7.87 9.52 6.41 7.83 9.17 9.17 7.25 7.41	
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	15.12 16.89 16.43 23.19 16.47 15.69	13.32 13.89 13.43 20.79 13.47 13.89	12.42 12.39 11.93 19.59 11.97 12.99	13.11 12.83 12.03 18.75 11.67 13.21	12.19 11.16 10.64 16.73 10.18 12.16	11.74 11.29 11.03 17.14 11.80 14.50	11.01 10.38 9.99 15.42 10.65 13.13	10.57 9.84 9.37 14.39 9.96 12.30	8.92 7.13 10.38 11.71 8.56 9.47			
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	14.75 17.30 15.70	13.13 14.80 13.75	12.38 13.55 12.82	13.87 13.60 13.77	12.52 12.18 12.39	12.21 12.92 12.47	11.53 11.76 11.62	10.76 11.07 10.88	9.07 9.36 9.18	8.53 8.53	7.90 7.90	

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Modified 03/29/2011 to fix DTE RARS calculation for Small Commercial

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2011

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			<u>INDUSTRIAL</u>			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	15.78	14.18	13.38	14.31	12.87	13.07	11.79	10.90	8.30	6.65	6.64
CONSUMERS ENERGY	14.41	12.71	11.86	13.53	12.14	12.03	10.69	9.89	8.91	8.14	7.56
DETROIT EDISON	14.25	12.45	12.24	12.67	11.08	10.59	10.55	9.96	8.11	7.60	7.33
EDISON SAULT ELECTRIC	10.79	10.11	9.77	11.69	10.83	10.66	11.01	10.44	9.58	9.53	9.52
AEP (I&M) COMBINED	10.69	9.24	8.52	10.53	9.94	9.46	8.86	8.50	7.23	6.58	6.41
NORTHERN STATES POWER	11.11	10.26	9.84	10.39	9.67	9.88	8.96	8.42	8.05	8.00	8.00
UPPER PENINSULA POWER	21.14	19.14	18.14	19.24	17.92	16.48	14.91	13.97	10.55	10.02	9.17
UPPER PENINSULA POWER IRON RIVER	19.60	17.60	16.60	17.01	15.69	15.54	14.32	13.59	10.55	10.02	9.17
WISCONSIN ELECTRIC	18.61	16.04	14.76	17.42	14.58	14.11	14.05	12.00	10.53	10.14	7.25
WISCONSIN PUBLIC SERVICE	12.32	10.52	9.62	11.44	9.51	9.31	9.24	9.20	8.37	8.03	7.41
COOPERATIVES											
CLOVERLAND	15.12	13.32	12.42	13.11	12.19	11.74	11.01	10.57	8.92		
GREAT LAKES	16.89	13.89	12.39	12.83	11.16	11.29	10.38	9.84	7.13		
MIDWEST ENERGY	16.43	13.43	11.93	12.03	10.64	11.03	9.99	9.37	10.38		
ONTONAGON	23.19	20.79	19.59	18.75	16.73	17.14	15.42	14.39	11.71		
PRESQUE ISLE	16.15	13.15	11.65	11.35	9.85	11.48	10.33	9.64	8.23		
THUMB	15.69	13.89	12.99	13.21	12.16	14.50	13.13	12.30	9.47		
AVERAGE INVESTOR OWNED	14.87	13.23	12.47	13.82	12.42	12.11	11.44	10.69	9.02	8.47	7.84
AVERAGE COOPERATIVE	17.25	14.75	13.50	13.55	12.12	12.86	11.71	11.02	9.31		
AVERAGE ALL COMPANIES	15.76	13.80	12.86	13.72	12.31	12.39	11.54	10.81	9.13	8.47	7.84

Source: Michigan Public Service Commission Utility Rate Books Compiled by the Regulated Energy Division

Updated 2/3/2011 to fix Cloverland\WPSC residential calculations

## COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2010

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) COMBINED NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	15.17 14.40 15.20 10.41 10.72 10.61 18.71 16.39 18.06	13.57 12.70 13.40 9.73 9.27 9.76 16.71 14.39 15.49	12.77 11.85 13.19 9.39 8.55 9.34 15.71 13.39 14.21	13.69 13.30 13.27 11.31 10.56 9.89 17.26 14.10 16.87	12.29 11.80 11.67 10.45 9.97 9.17 15.95 12.78 14.03	12.48 11.68 11.18 10.28 9.49 9.37 14.44 12.92 13.55	11.20 10.35 11.14 10.63 8.89 8.46 13.11 11.93 13.50	10.32 9.55 10.36 10.06 8.53 7.91 12.31 11.34 11.45	7.73 8.57 8.29 9.20 7.26 7.55 9.18 9.18 9.98	6.10 7.82 7.78 9.15 6.61 7.50 8.72 8.72 9.59	6.07 7.24 7.51 9.14 6.43 7.49 8.06 8.06 6.70
WISCONSIN PUBLIC SERVICE  COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	15.12 15.92 16.64 22.24 16.15 15.61	9.33 13.32 13.52 13.64 19.84 13.15 13.81	12.42 12.32 12.14 18.64 11.65 12.91	13.11 12.67 12.23 17.79 11.35 13.12	8.32 12.19 11.00 10.85 15.77 9.85 12.08	8.12 11.74 11.12 11.23 16.18 11.48 14.42	8.05 11.01 10.22 10.19 14.47 10.33 13.04	8.01 10.57 9.67 9.57 13.43 9.64 12.21	7.17 8.92 6.97 10.59 10.76 8.23 9.38	6.84	6.22
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	14.08 16.94 15.21	12.43 14.54 13.26	11.68 13.34 12.32	13.05 13.38 13.17	11.64 11.96 11.74	11.35 12.70 11.86	10.73 11.54 11.02	9.98 10.85 10.30	8.41 9.14 8.71	7.88 7.88	7.29 7.29

Source: Michigan Public Service Commission Utility Rate Books
Compiled by the Regulated Energy Division
Updated 12/9/2010 to fix Cloverland Residential Calculations
Updated 1/18/2011 to correct UPPCO Large Commercial Calculation

#### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2010

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			<u>INDUSTRIAL</u>			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	15.17 14.30 15.20 10.41 10.61 10.75 10.61 18.71 16.39	13.57 12.60 13.40 9.73 9.24 9.63 9.76 16.71 14.39	12.77 11.75 13.19 9.39 8.87 9.07 9.34 15.71 13.39	13.48 13.20 13.27 11.31 12.41 10.15 9.89 17.26 14.10	12.29 11.56 11.67 10.45 10.47 10.08 9.17 15.95 12.78	12.48 11.94 11.18 10.28 10.07 9.62 9.37 14.44	11.20 10.45 11.14 10.63 9.71 9.08 8.46 13.11 11.93	10.32 9.56 10.36 10.06 9.48 9.55 7.91 12.31 11.34	7.73 8.96 8.29 9.20 7.40 6.98 7.55 9.18	6.10 8.24 7.78 9.15 7.04 5.38 7.50 8.72 8.72	6.07 7.66 7.51 9.14 6.88 6.38 7.49 8.06
WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	17.89 11.13	15.41 9.33	14.16 8.43	16.76 10.25	14.01 8.32	13.55 8.12	13.49 8.05	11.43 8.01	9.98 7.17	9.59 6.84	6.70 6.22
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	15.12 15.92 16.64 22.24 16.15 15.61	13.32 13.52 13.64 19.84 13.15 13.81	12.42 12.32 12.14 18.64 11.65 12.91	13.11 12.67 12.23 17.79 11.35 13.12	12.19 11.00 10.85 15.77 9.85 12.08	11.74 11.12 11.23 16.18 11.48 14.42	11.01 10.22 10.19 14.47 10.33 13.04	10.57 9.67 9.57 13.43 9.64 12.21	8.92 6.97 10.59 10.76 8.23 9.38		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.74 16.94 14.94	12.16 14.54 13.04	11.46 13.34 12.15	12.92 13.38 13.08	11.52 11.96 11.66	11.27 12.70 11.79	10.66 11.54 10.96	10.03 10.85 10.31	8.33 9.14 8.65	7.73 7.73	7.29 7.29

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

updated 12/9/2010 to fix Cloverland Residential

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2010

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER	15.17 12.92 14.68 10.41 10.61 10.75 10.61 18.71	13.57 11.22 12.88 9.73 9.24 9.63 9.76 16.71	12.77 10.37 12.67 9.39 8.87 9.07 9.34 15.71	13.48 12.69 12.91 11.31 12.41 10.15 9.89 17.26	12.28 11.66 11.31 10.45 10.47 10.08 9.17 15.95	12.48 12.05 10.82 10.28 10.07 9.62 9.37 14.44	11.20 10.56 10.78 10.63 9.71 9.08 8.46 13.11	10.32 9.66 10.00 10.06 9.48 7.80 7.91 12.31	7.73 8.90 7.93 9.20 7.40 6.98 7.55 9.18	6.10 8.19 7.42 9.15 7.04 5.38 7.50 8.72	6.07 7.60 7.15 9.14 6.88 6.38 7.49 8.06
UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	16.39 18.07 11.13	14.39 15.50 9.33	13.39 14.21 8.43	14.10 16.88 10.25	12.78 14.04 8.32	12.92 13.56 8.12	11.93 13.51 8.05	11.34 11.46 8.01	9.18 9.99 7.17	8.72 9.60 6.84	8.06 6.71 6.22
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	14.52 15.92 15.38 22.24 15.10 15.61	12.72 13.52 12.98 19.84 12.70 13.81	11.71 12.32 11.78 18.64 11.50 12.91	12.39 12.67 11.98 17.79 11.35 13.13	11.47 11.00 10.75 15.77 9.85 12.08	11.18 11.12 11.17 16.18 11.48 14.42	10.46 10.22 10.14 14.47 10.33 13.05	10.02 9.67 9.52 13.43 9.64 12.22	8.50 6.97 10.53 10.76 8.23 9.39		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.59 16.46 14.69	12.00 14.26 12.85	11.29 13.14 11.98	12.85 13.22 12.98	11.50 11.82 11.60	11.25 12.59 11.74	10.64 11.44 10.92	9.85 10.75 10.17	8.29 9.06 8.60	7.70 7.70	7.25 7.25

Source: Michigan Public Service Commission Utility Rate Books Compiled by the Regulated Energy Division

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2010

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>	
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY	15.17 12.92	13.57 11.22	12.77 12.78	13.48 13.79	12.28 12.77	12.48 13.74	11.20 11.96	10.32 10.89	7.73 10.06	6.10 9.38	6.07 8.85	
DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS	14.51 10.41 10.61 10.75	12.71 9.73 9.24 9.63	12.50 9.39 8.87 9.07	12.94 11.31 12.41 10.15	11.34 10.45 10.47 10.08	10.85 10.28 10.07 9.62	10.81 10.63 9.71 9.08	10.07 10.06 9.48 7.80	8.09 9.20 7.40 6.98	7.58 9.15 7.04 5.38	7.31 9.14 6.88 6.38	
NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	10.73 10.61 19.51 17.19	9.76 17.51 15.19	9.34 16.51 14.19	9.89 18.07 14.90	9.17 16.75 13.58	9.37 15.24 13.72	8.46 13.91 12.74	7.91 13.11 12.15	7.55 9.98 9.98	7.50 9.53 9.53	7.49 8.86 8.86	
WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	17.90 11.94	15.42 10.14	14.17 9.24	16.76 11.06	14.02 9.13	13.56 8.93	13.50 8.86	11.44 8.82	9.98 7.99	9.60 7.65	6.71 7.04	
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY	14.52 15.92 15.38	12.72 13.52 12.98	11.71 12.32 11.78	12.39 12.67 11.98	11.47 11.00 10.75	11.18 11.12 11.17	10.46 10.22 10.14	10.02 9.67 9.52	8.50 6.97 10.53			
ONTONAGON PRESQUE ISLE THUMB	22.24 15.10 15.19	19.84 12.70 13.59	18.64 11.50 12.79	17.79 11.35 13.00	15.77 9.85 12.03	16.18 11.48 14.39	14.47 10.33 13.02	13.43 9.64 12.19	10.76 8.23 9.58			
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.77 16.39 14.78	12.19 14.22 12.96	11.71 13.12 12.23	13.16 13.20 13.17	11.82 11.81 11.79	11.62 12.59 11.97	10.99 11.44 11.13	10.19 10.75 10.37	8.63 9.09 8.82	8.04 8.04	7.60 7.60	

Source: Michigan Public Service Commission Utility Rate Books Compiled by the Regulated Energy Division

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2010

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	15.17 14.30 14.51 10.41 10.60 10.75 10.61 19.78 17.45 18.07	13.57 12.60 12.71 9.73 9.24 9.63 9.76 17.78 15.45 15.50	12.77 14.15 12.50 9.39 8.86 9.07 9.34 16.78 14.45 14.21	13.48 14.42 12.94 11.31 12.42 10.16 9.89 18.33 15.16 16.88	12.28 12.77 11.34 10.45 10.47 10.08 9.17 17.01 13.85 14.04	12.48 13.74 10.85 10.28 10.07 9.63 9.37 15.51 13.99 13.56	11.20 11.96 10.81 10.63 9.71 9.08 8.46 14.17 13.00 13.51	10.32 10.89 10.07 10.06 9.48 7.81 7.91 13.37 12.41 11.46	7.73 10.06 8.09 9.20 7.40 6.98 7.55 10.24 10.24 9.99	6.10 9.38 7.58 9.15 7.04 5.38 7.50 9.79 9.79 9.60	6.07 8.85 7.31 9.14 6.88 6.38 7.49 9.13 9.13 6.71
WISCONSIN PUBLIC SERVICE  COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	11.94 14.52 15.67 15.38 22.24 15.10 15.19	10.14 12.72 13.27 12.98 19.84 12.70 13.59	9.24 11.71 12.07 11.78 18.64 11.50 12.79	11.06 12.39 12.67 11.98 17.79 11.35 13.00	9.13 11.47 11.00 10.75 15.77 9.85 12.03	8.93 11.18 11.12 11.17 16.18 11.48 14.39	8.86 10.46 10.22 10.14 14.47 10.33 13.02	10.02 9.67 9.52 13.43 9.64 12.19	7.99 8.50 6.97 10.53 10.76 8.23 9.58	7.65	7.04
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.96 16.35 14.88	12.37 14.18 13.05	11.89 13.08 12.32	13.28 13.20 13.24	11.87 11.81 11.82	11.67 12.59 12.00	11.03 11.44 11.16	10.24 10.75 10.40	8.68 9.09 8.85	8.09 8.09	7.65 7.65

Source: Michigan Public Service Commission Utility Rate Books Compiled by the Regulated Energy Division

### COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2010

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
<u>INVESTOR OWNED</u> ALPENA POWER	15.16	13.56	12.76	13.48	12.28	12.46	11.19	10.31	7.72	6.14	6.08
CONSUMERS ENERGY	13.76	12.06	12.76	13.48	13.08	12.46	12.04	10.31	10.08		
DETROIT EDISON	15.08	13.28	13.07	13.35	13.06	11.26	11.22	10.97	8.50	9.39 7.99	8.87 7.72
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.46	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	8.62	7.51	7.20	11.07	9.07	8.73	8.41	8.22	6.02	5.72	5.59
AEP (I&M) THREE RIVERS	8.74	7.82	7.37	9.05	8.73	8.34	7.86	7.81	5.67	5.38	5.19
NORTHERN STATES POWER	10.61	9.76	9.34	9.89	9.17	9.37	8.46	7.91	7.55	7.50	7.49
UPPER PENINSULA POWER	19.78	17.78	16.78	18.33	17.01	15.51	14.17	13.37	10.24	9.79	9.13
UPPER PENINSULA POWER IRON RIVER	17.45	15.45	14.45	15.16	13.85	13.99	13.00	12.41	10.24	9.79	9.13
WISCONSIN ELECTRIC	18.07	15.50	14.21	16.88	14.04	13.56	13.51	11.46	9.99	9.60	6.71
WISCONSIN PUBLIC SERVICE	11.94	10.14	9.24	11.06	9.13	8.93	8.86	8.82	7.99	7.65	7.04
<u>COOPERATIVES</u>											
CLOVERLAND	14.52	12.72	11.71	12.39	11.47	11.18	10.46	10.02	8.50		
GREAT LAKES	15.67	13.27	12.07	12.67	11.00	11.12	10.22	9.67	6.97		
MIDWEST ENERGY	15.38	12.98	11.78	11.98	10.75	11.17	10.14	9.52	10.53		
ONTONAGON	22.24	19.84	18.64	17.79	15.77	16.18	14.47	13.43	10.76		
PRESQUE ISLE	15.10	12.70	11.50	11.35	9.85	11.48	10.33	9.64	8.23		
THUMB	15.19	13.59	12.79	13.00	12.03	14.39	13.02	12.19	9.58		
AVERAGE INVESTOR OWNED	13.60	12.05	11.58	13.11	11.69	11.48	10.85	10.17	8.47	8.01	7.46
AVERAGE COOPERATIVE	16.35	14.18	13.08	13.20	11.81	12.59	11.44	10.75	9.09		
AVERAGE ALL COMPANIES	14.66	12.86	12.14	13.13	11.71	11.88	11.05	10.36	8.72	8.01	7.46

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division Updated 7/26/2010 to correct Consumers' PSCR/Recon Calculation

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2010

	RES	SIDENTIA	<u>.L</u>	SMALL CON	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC	15.16 13.51 14.91 10.41	13.56 11.81 13.11 9.73	12.76 13.37 12.90 9.39	13.48 14.23 13.29 11.31	12.28 12.73 11.70 10.45	12.46 13.48 11.22 10.28	11.19 11.69 11.18 10.63	10.31 10.63 10.44 10.06	7.72 9.73 8.48 9.20	6.14 9.05 7.95 9.15	6.08 8.52 7.68 9.14
AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	8.62 8.74 10.61 19.78 17.45 16.67	7.51 7.82 9.76 17.78 15.45 14.19	7.20 7.37 9.34 16.78 14.45 12.94 9.24	11.37 9.05 9.89 18.33 15.16 15.53	9.07 8.73 9.17 17.01 13.85 12.79 9.13	8.73 8.34 9.37 15.51 13.99 12.33 8.93	8.41 7.86 8.46 14.17 13.00 12.28 8.86	8.22 7.81 7.91 13.37 12.41 10.66 8.82	6.02 5.67 7.55 10.24 10.24 8.85 7.99	5.72 5.38 7.50 9.79 9.79 8.45 7.65	5.59 5.19 7.49 9.13 9.13 7.24 7.04
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB	14.52 15.67 15.38 22.24 15.10 15.19	12.72 13.27 12.98 19.84 12.70 13.59	11.71 12.07 11.78 18.64 11.50 12.79	12.39 12.67 11.98 17.79 11.35	11.47 11.00 10.75 15.77 9.85 12.03	11.18 11.12 11.17 16.18 11.48 14.39	10.46 10.22 10.14 14.47 10.33 13.02	10.02 9.67 9.52 13.43 9.64 12.19	8.50 6.97 10.53 10.76 8.23 9.58	7.03	7.04
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.44 16.35 14.56	11.90 14.18 12.76	11.43 13.08 12.04	12.95 13.20 13.03	11.54 11.81 11.62	11.33 12.59 11.79	10.70 11.44 10.96	10.06 10.75 10.29	8.34 9.09 8.64	7.87 7.87	7.48 7.48

Source: Michigan Public Service Commission Utility Rate Books Compiled by the Regulated Energy Division

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2010

kW         kW           kWh         250           INVESTOR OWNED         15.16           ALPENA POWER         15.16           CONSUMERS ENERGY         13.51           DETROIT EDISON         14.91           EDISON SAULT ELECTRIC         10.41	6 13.56 12.76 I 11.81 10.96 I 13.11 12.90	5 1,000 13.48 13.13	25 5,000 12.28 11.63	100 21,600 12.46	100 28,800 11.19	100 36,000	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 21,600,000
ALPENA POWER 15.16 CONSUMERS ENERGY 13.51 DETROIT EDISON 14.91 EDISON SAULT ELECTRIC 10.41	1 11.81 10.96 1 13.11 12.90	13.13		12.46	11 19	40.04			
AEP (I&M) ST JOSEPH  AEP (I&M) THREE RIVERS  NORTHERN STATES POWER  UPPER PENINSULA POWER  UPPER PENINSULA POWER IRON RIVER  WISCONSIN ELECTRIC  WISCONSIN PUBLIC SERVICE  8.62  10.61  17.45  16.84  11.94	7.51 7.20 7.82 7.37 9.76 9.34 7.78 16.78 5 15.45 14.45 1 14.27 12.98	13.29 11.31 11.07 9.05 9.89 18.33 15.16 15.64 11.06	11.03 11.70 10.45 9.07 8.73 9.17 17.01 13.85 12.82 9.13	11.78 11.22 10.28 8.73 8.34 9.37 15.51 13.99 12.34 8.93	10.29 11.18 10.63 8.41 7.86 8.46 14.17 13.00 12.28 8.86	10.31 9.40 10.44 10.06 8.22 7.81 7.91 13.37 12.41 10.68 8.82	7.72 8.57 8.48 9.20 6.02 5.67 7.55 10.24 10.24 8.86 7.99	6.14 7.86 7.95 9.15 5.72 5.38 7.50 9.79 9.79 8.45 7.65	6.08 7.27 7.68 9.14 5.59 5.19 7.49 9.13 9.13 7.24 7.04
COOPERATIVES           CLOVERLAND         14.52           GREAT LAKES         15.67           MIDWEST ENERGY         15.38           ONTONAGON         22.24           PRESQUE ISLE         15.10           THUMB         15.19           AVERAGE INVESTOR OWNED         13.45           AVERAGE ALL COMPANIES         14.57	2 12.72 11.71 7 13.27 12.07 8 12.98 11.78 4 19.84 18.64 0 12.70 11.50 9 13.59 12.79 5 11.90 11.22 5 14.18 13.08	12.39 12.67 11.98 17.79 11.35 13.00 12.86 13.20 12.98	11.47 11.00 10.75 15.77 9.85 12.03 11.44 11.81 11.56	11.18 11.12 11.17 16.18 11.48 14.39 11.18 12.59 11.69	10.46 10.22 10.14 14.47 10.33 13.02 10.58 11.44 10.88	10.02 9.67 9.52 13.43 9.64 12.19 9.95 10.75 10.23	8.50 6.97 10.53 10.76 8.23 9.58 8.23 9.09 8.57	7.76 7.76	7.36 7.36

Source: Michigan Public Service Commission Utility Rate Books Compiled by the Regulated Energy Division

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2010

	RES	SIDENTIA	<u>\L</u>	SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		1,000 10,000 432,000 4,320,000	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.16 14.38 14.91 10.41 8.64 8.77 10.61 19.88 17.55 16.67 11.94	13.56 12.68 13.11 9.73 7.53 7.86 9.76 17.88 15.55 14.19 10.14	12.76 11.83 12.90 9.39 7.22 7.40 9.34 16.88 14.55 12.94 9.24	13.48 14.17 13.29 11.31 11.09 9.09 9.89 18.43 15.26 15.53 11.06	12.28 12.24 11.70 10.45 9.09 8.77 9.17 17.11 13.95 12.79 9.13	12.46 12.39 11.22 10.28 8.75 8.38 9.37 15.61 14.09 12.33 8.93	11.19 10.90 11.18 10.63 8.43 7.90 8.46 14.27 13.10 12.28 8.86	10.31 10.01 10.44 10.06 8.24 7.85 7.91 13.47 12.51 10.66 8.82	7.72 9.19 8.48 9.20 6.04 5.71 7.55 10.34 10.34 8.85 7.99	6.14 8.47 7.95 9.15 5.75 5.42 7.50 9.89 9.89 8.45 7.65	6.08 7.89 7.68 9.14 5.62 5.22 7.49 9.23 9.23 7.24 7.04
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	14.52 15.67 15.38 22.24 15.10 15.19 16.16	12.72 13.27 12.98 19.84 12.70 13.59 13.76	11.71 12.07 11.78 18.64 11.50 12.79 12.56	12.39 12.67 11.98 17.79 11.35 13.01 13.04	11.47 11.00 10.75 15.77 9.85 12.04 11.34	11.18 11.12 11.17 16.18 11.48 14.40 11.99	10.46 10.22 10.14 14.47 10.33 13.02 10.86	10.02 9.67 9.52 13.43 9.64 12.20 10.18	8.50 6.97 10.53 10.76 8.23 9.59 9.18		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.54 16.32 14.62	12.00 14.12 12.82	11.31 13.01 11.97	12.96 13.17 13.05	11.52 11.75 11.61	11.26 12.51 11.74	10.66 11.36 10.93	10.03 10.67 10.28	8.31 9.11 8.62	7.84 7.84	7.44 7.44

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division updated 4/6/2010 to add Consumers ERIPS to the bill calculations

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2010

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.16 13.52 14.73 10.41 8.64 8.77 10.61 19.88 17.55 15.75	13.56 11.82 12.93 9.73 7.53 7.86 9.76 17.88 15.55 13.18	12.76 10.97 12.72 9.39 7.22 7.40 9.34 16.88 14.55 11.89	13.48 13.02 13.11 11.31 11.09 9.09 9.89 18.43 15.26 14.55	12.28 11.63 11.52 10.45 9.09 8.77 9.17 17.11 13.95 11.73	12.46 11.80 11.04 10.28 8.75 8.38 9.37 15.61 14.09	11.19 10.30 11.00 10.63 8.43 7.90 8.46 14.27 13.10	10.31 9.40 10.26 10.06 8.24 7.85 7.91 13.47 12.51 9.59	7.72 8.61 8.30 9.20 6.04 5.71 7.55 10.34 10.34	6.14 7.90 7.77 9.15 5.75 5.42 7.50 9.89 9.89 8.45	6.08 7.30 7.50 9.14 5.62 5.22 7.49 9.23 9.23 7.24 7.21
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	12.12 14.52 15.67 15.38 22.24 15.10 15.19 16.16	12.72 13.27 12.98 19.84 12.70 13.59 13.76	9.42 11.71 12.07 11.78 18.64 11.50 12.79 12.56	11.24 12.39 12.67 11.98 17.79 11.35 13.01 13.04	9.31 11.47 11.00 10.75 15.77 9.85 12.04 11.34	9.11 11.18 11.12 11.17 16.18 11.48 14.40 11.99	9.04 10.46 10.22 10.14 14.47 10.33 13.02 10.86	9.00 10.02 9.67 9.52 13.43 9.64 12.20 10.18	8.17 8.50 6.97 10.53 10.76 8.23 9.59 9.18	7.83	
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.38 16.32 14.52	11.83 14.12 12.72	11.14 13.01 11.87	12.77 13.17 12.93	11.36 11.75 11.51	11.10 12.51 11.65	10.50 11.36 10.83	9.87 10.67 10.18	8.26 9.11 8.59	7.79 7.79	7.39 7.39

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2010

	RESIDENTIAL		SMALL CON	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL		
kW kWh	<u>250</u>	<u>500</u>	1,000	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	15.16 13.52 14.70 10.41 8.64 8.77 11.04 19.88 17.55 15.25 12.12	13.56 11.82 12.90 9.73 7.53 7.86 10.19 17.88 15.55 12.93 10.32	12.76 10.97 12.69 9.39 7.22 7.40 9.76 16.88 14.55 11.77 9.42	13.48 13.02 13.08 11.31 11.09 9.09 10.31 18.43 15.26 14.21 11.24	12.28 11.63 11.49 10.45 9.09 8.77 9.59 17.11 13.95 11.66 9.31	12.46 11.80 11.00 10.28 8.75 8.38 9.80 15.61 14.09 11.23	11.19 10.30 10.97 10.63 8.43 7.90 8.89 14.27 13.10 11.18 9.04	10.31 9.40 10.23 10.06 8.24 7.85 8.34 13.47 12.51 9.54	7.72 8.61 8.26 9.20 6.04 5.71 7.97 10.34 10.34 8.83 8.17	6.14 7.90 7.74 9.15 5.75 5.42 7.92 9.89 9.89 8.45 7.83	6.08 7.30 7.47 9.14 5.62 5.22 7.92 9.23 9.23 7.24 7.21
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	14.52 15.67 15.38 22.24 15.10 15.19 16.16	12.72 13.27 12.98 19.84 12.70 13.59 13.76	11.71 12.07 11.78 18.64 11.50 12.79 12.56	12.39 12.67 11.98 17.79 11.35 13.01 13.04	11.47 11.00 10.75 15.77 9.85 12.04 11.34	11.18 11.12 11.17 16.18 11.48 14.40 11.99	10.46 10.22 10.14 14.47 10.33 13.02 10.86	10.02 9.67 9.52 13.43 9.64 12.20 10.18	8.50 6.97 10.53 10.76 8.23 9.59 9.18		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.37 16.32 14.52	11.84 14.12 12.73	11.16 13.01 11.88	12.77 13.17 12.93	11.39 11.75 11.53	11.14 12.51 11.67	10.54 11.36 10.86	9.90 10.67 10.20	8.29 9.11 8.61	7.82 7.82	7.42 7.42

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division Added WEPCo self-implementation/ Point Beach true-up 2-4-2010; removed CE Palisades 1 Recon Credit 2-5-2010; Fixed WEPCo rates 2-22-10

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2010

	RESIDENTIAL		SMALL COMMERCIAL				<u>INDUSTRIAL</u>				
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	15.16 13.43 14.84 10.41 8.64 8.77 11.04 19.88 17.55 15.83	13.56 11.73 13.04 9.73 7.53 7.86 10.19 17.88 15.55 13.30	12.76 10.88 12.83 9.39 7.22 7.40 9.76 16.88 14.55 12.03	13.48 12.93 13.25 11.31 11.09 9.09 10.31 18.43 15.26	12.28 11.54 11.66 10.45 9.09 8.77 9.59 17.11 13.95 11.92	12.46 11.71 11.17 10.28 8.75 8.38 9.80 15.61 14.09	11.19 10.21 11.14 10.63 8.43 7.90 8.89 14.27 13.10 11.39	10.31 9.31 10.34 10.06 8.24 7.85 8.34 13.47 12.51 9.92	7.72 8.52 8.41 9.20 6.04 5.71 7.97 10.34 10.34 8.16	6.14 7.80 7.89 9.15 5.75 5.42 7.92 9.89 9.89	6.08 7.21 7.63 9.14 5.62 5.22 7.92 9.23 9.23 6.57
WISCONSIN PUBLIC SERVICE	12.12	10.32	9.42	11.24	9.31	9.11	9.04	9.92	8.17	7.77	7.21
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	14.52 15.67 15.38 22.24 14.32 15.19 16.16	12.72 13.27 12.98 19.84 11.92 13.59 13.76	11.71 12.07 11.78 18.64 10.72 12.79 12.56	12.39 12.67 11.98 17.79 10.58 13.01	11.47 11.00 10.75 15.77 9.08 12.04 11.34	11.18 11.12 11.17 16.18 10.71 14.40 11.99	10.46 10.22 10.14 14.47 9.55 13.02 10.86	10.02 9.67 9.52 13.43 8.86 12.20 10.18	8.50 6.97 10.53 10.76 7.46 9.59 9.18		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	13.42 16.21 14.51	11.88 14.01 12.71	11.19 12.90 11.86	12.83 13.06 12.92	11.43 11.64 11.51	11.16 12.39 11.64	10.56 11.25 10.83	9.94 10.56 10.18	8.23 9.00 8.53	7.77 7.77	7.37 7.37

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Updated 1/18/2011 to correct UPPCO Large Commercial Calculation

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2009

	RES	SIDENTIA	<u>\L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 5,000	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.49 12.79 14.91 9.20 7.75 8.61 9.93 18.10 15.57 15.05 12.22	13.04 11.09 13.11 8.52 6.64 7.70 9.08 16.50 13.97 13.13 10.42	12.32 10.24 12.90 8.18 6.33 7.24 8.66 15.70 13.17 12.17 9.52	13.48 12.29 12.97 10.11 10.20 8.92 9.21 17.46 13.71 13.46 11.34	12.10 10.91 11.38 9.24 8.20 8.61 8.49 16.30 12.55 12.02 9.41	11.74 11.07 10.89 9.08 7.86 8.21 8.69 16.27 13.46 11.81	10.56 9.58 10.86 9.42 7.54 7.74 7.78 14.21 12.30 11.78 9.14	9.76 8.68 10.05 8.86 7.35 7.69 7.23 12.97 11.60 10.31 9.09	7.88 7.86 8.13 7.99 5.15 5.54 6.87 9.96 10.82 8.56 8.26	6.53 7.17 7.61 7.94 4.85 5.26 6.82 9.82 10.73 8.21 7.93	6.46 6.58 7.35 7.94 4.72 5.06 6.81 9.80 10.72 7.01 7.31
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	13.79 15.01 15.03 23.86 14.22 14.25 15.69	11.99 12.61 12.63 21.46 11.82 12.65 13.29	10.98 11.41 11.43 20.26 10.62 11.85 12.09	11.66 12.00 11.63 19.41 10.48 12.06 12.57	10.74 10.33 10.40 17.39 8.98 11.10 10.87	10.45 10.46 10.82 17.81 10.61 13.46 11.52	9.73 9.55 9.79 16.09 9.45 12.08 10.39	9.29 9.01 9.17 15.06 8.76 11.26 9.71	7.77 6.30 10.18 12.38 7.36 8.65 8.71		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	12.60 15.98 13.91	11.20 13.78 12.20	10.58 12.66 11.39	12.10 12.83 12.39	10.84 11.40 11.06	10.75 12.16 11.30	10.08 11.01 10.44	9.42 10.32 9.77	7.91 8.76 8.24	7.53 7.53	7.25 7.25

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 13, 2009

			SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.49 13.03 14.91 9.20 7.75 8.61 9.93 18.10 15.57 15.05 12.22	13.04 11.33 13.11 8.52 6.64 7.70 9.08 16.50 13.97 13.13 10.42	12.32 10.48 12.90 8.18 6.33 7.24 8.66 15.70 13.17 12.17 9.52	13.48 12.53 12.97 10.11 10.20 8.92 9.21 17.46 13.71 13.45	12.10 11.14 11.38 9.24 8.20 8.61 8.49 16.30 12.55 12.02 9.41	11.74 11.30 10.89 9.08 7.86 8.21 8.69 16.27 13.46 11.81	10.56 9.81 10.86 9.42 7.54 7.74 7.78 14.21 12.30 11.78 9.14	9.76 8.91 10.06 8.86 7.35 7.69 7.23 12.97 11.60 10.31 9.09	7.88 8.09 8.13 7.99 5.15 5.54 6.87 9.96 10.82 8.56 8.26	6.53 7.40 7.61 7.94 4.85 5.26 6.82 9.82 10.73 8.21 7.93	6.46 6.81 7.35 7.94 4.72 5.06 6.81 9.80 10.72 7.01 7.31
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY  AVERAGE INVESTOR OWNED	13.91 15.01 15.03 23.86 14.66 14.25 15.69	12.11 12.61 12.63 21.46 12.26 12.26 13.29	10.98 11.41 11.43 20.26 11.06 11.85 12.09	11.66 12.00 11.63 19.41 10.91 12.06 12.57	10.74 10.33 10.40 17.39 9.42 11.10 10.87	9.20 10.45 10.46 10.82 17.81 11.05 13.46 11.52	9.73 9.55 9.79 16.09 9.89 12.08 10.39	9.29 9.01 9.17 15.06 9.20 11.26 9.71	7.77 6.30 10.18 12.38 7.80 8.65 8.71	7.55	7.31
AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	16.06 13.96	13.86 12.25	12.73 11.43	12.89 12.42	11.46 11.09	12.22 11.34	11.07 10.48	10.39 9.81	8.83 8.28	7.55	7.27

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Corrected Presque Isle PSCR 12/1/2009

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2009

	RES	SIDENTIA	<u>.L</u>	SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED	44.40	40.04	40.00	40.40	40.40	44.74	40.50	0.70	7.00	0.50	0.40
ALPENA POWER CONSUMERS ENERGY	14.49 13.36	13.04 11.66	12.32 10.81	13.48 12.65	12.10 11.26	11.74 11.02	10.56	9.76 8.64	7.88 7.41	6.53 6.96	6.46
DETROIT EDISON	14.91	13.11	10.81	12.05	11.26	11.02	9.53 10.86	10.06	7.41 8.13	6.96 7.61	6.73 7.35
EDISON SAULT ELECTRIC	9.20	8.52	8.18	10.11	9.24	9.08	9.42	8.86	7.99	7.01	7.94
AEP (I&M) ST JOSEPH	7.75	6.64	6.33	10.20	8.20	7.86	7.54	7.35	5.15	4.85	4.72
AEP (I&M) THREE RIVERS	8.61	7.70	7.24	8.92	8.61	8.21	7.74	7.69	5.54	5.26	5.06
NORTHERN STATES POWER	9.93	9.08	8.66	9.21	8.49	8.69	7.78	7.23	6.87	6.82	6.81
UPPER PENINSULA POWER	18.10	16.50	15.70	17.46	16.30	16.27	14.21	12.97	9.96	9.82	9.80
UPPER PENINSULA POWER IRON RIVER	15.57	13.97	13.17	13.71	12.55	13.46	12.30	11.60	10.82	10.73	10.72
WISCONSIN ELECTRIC	15.05	13.13	12.17	13.45	12.02	11.81	11.78	10.31	8.56	8.21	7.01
WISCONSIN PUBLIC SERVICE	12.22	10.42	9.52	11.34	9.41	9.20	9.14	9.09	8.26	7.93	7.31
COOPERATIVES											
CLOVERLAND	13.91	12.11	10.98	11.66	10.74	10.45	9.73	9.29	7.77		
GREAT LAKES	15.01	12.61	11.41	12.00	10.33	10.46	9.55	9.01	6.30		
MIDWEST ENERGY	15.03	12.63	11.43	11.63	10.40	10.82	9.79	9.17	10.18		
ONTONAGON	23.86	21.46	20.26	19.41	17.39	17.81	16.09	15.06	12.38		
PRESQUE ISLE	14.66	12.26	11.06	10.91	9.42	11.05	9.89	9.20	7.80		
THUMB	14.25	12.65	11.85	12.06	11.10	13.46	12.08	11.26	8.65		
TRI COUNTY	15.69	13.29	12.09	12.57	10.87	11.52	10.39	9.71	8.71		
AVERAGE INVESTOR OWNED	12.65	11.25	10.64	12.14	10.87	10.75	10.08	9.41	7.87	7.51	7.27
AVERAGE COOPERATIVE	16.06	13.86	12.73	12.89	11.46	12.22	11.07	10.39	8.83		
AVERAGE ALL COMPANIES	13.98	12.27	11.45	12.43	11.10	11.32	10.47	9.79	8.24	7.51	7.27

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Corrected Presque Isle PSCR 12/1/2009

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2009

	RESIDENTIAL		SMALL CON	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•	
kW kWh	<u>250</u>	<u>500</u>	1,000	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	14.49 13.40 14.91 9.81 7.75 8.61 9.93 18.10 15.57 15.05 12.22	13.04 11.70 13.11 9.13 6.64 7.70 9.08 16.50 13.97 13.13 10.42	12.32 10.85 12.90 8.79 6.33 7.24 8.66 15.70 13.17 12.17 9.52	13.48 12.69 12.98 10.71 10.20 8.92 9.21 17.46 13.71 13.46 11.34	12.10 11.30 11.39 9.85 8.20 8.61 8.49 16.30 12.55 12.02 9.41	11.74 11.06 10.91 9.68 7.86 8.21 8.69 16.27 13.46 11.81	10.56 9.57 10.87 10.02 7.54 7.74 7.78 14.21 12.30 11.78 9.14	9.76 8.68 10.07 9.46 7.35 7.69 7.23 12.97 11.60 10.31 9.09	7.88 7.45 8.14 8.59 5.15 5.54 6.87 9.96 10.82 8.56 8.26	6.53 7.00 7.63 8.55 4.85 5.26 6.82 9.82 10.73 8.21 7.93	6.46 6.77 7.36 8.54 4.72 5.06 6.81 9.80 10.72 7.01 7.31
COOPERATIVES CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	13.91 15.01 15.03 23.86 14.66 14.25 15.35	12.11 12.61 12.63 21.46 12.26 12.65 12.95	10.98 11.41 11.43 20.26 11.06 11.85 11.75	11.66 12.00 11.63 19.41 10.91 12.06 12.56	10.74 10.33 10.40 17.39 9.42 11.10 10.85	10.45 10.46 10.82 17.81 11.05 13.46 11.52	9.73 9.55 9.79 16.09 9.89 12.08 10.39	9.29 9.01 9.17 15.06 9.20 11.26 9.71	7.77 6.30 10.18 12.38 7.80 8.65 8.71		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	12.71 16.01 13.99	11.31 13.81 12.28	10.69 12.68 11.47	12.20 12.89 12.47	10.93 11.46 11.14	10.81 12.22 11.36	10.14 11.07 10.50	9.47 10.39 9.83	7.93 8.83 8.28	7.57 7.57	7.33 7.33

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2009

	RESIDENTIAL		SMALL COM	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	=	
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED	44.40	40.04	40.00	40.40	40.40	44.74	40.50	0.70	7.00	0.50	0.40
ALPENA POWER	14.49	13.04	12.32	13.48	12.10	11.74	10.56	9.76	7.88	6.53	6.46
CONSUMERS ENERGY DETROIT EDISON	13.57	11.87	12.50	14.07	12.68	12.97	11.27	10.24 10.07	9.17 8.14	8.71 7.63	8.48
EDISON SAULT ELECTRIC	14.91 9.81	13.11 9.13	12.90 8.79	12.98 10.71	11.39 9.85	10.91 9.68	10.87 10.02	9.46	8.14 8.59	7.63 8.55	7.36 8.54
AEP (I&M) ST JOSEPH	7.75	6.64	6.33	10.71	8.20	7.86	7.54	7.35	5.15	4.85	4.72
AEP (I&M) THREE RIVERS	8.61	7.70	7.24	8.92	8.61	8.21	7.54	7.33 7.69	5.54	5.26	5.06
NORTHERN STATES POWER	9.93	9.08	8.66	9.21	8.49	8.69	7.78	7.23	6.87	6.82	6.81
UPPER PENINSULA POWER	18.10	16.50	15.70	17.46	16.30	16.27	14.21	12.97	9.96	9.82	9.80
UPPER PENINSULA POWER IRON RIVER	15.57	13.97	13.17	13.71	12.55	13.46	12.30	11.60	10.82	10.73	10.72
WISCONSIN ELECTRIC	14.78	12.86	11.90	13.19	11.75	11.54	11.51	10.04	8.29	7.94	6.74
WISCONSIN PUBLIC SERVICE	12.22	10.42	9.52	11.34	9.41	9.20	9.14	9.09	8.26	7.93	7.31
COOPERATIVES											
ALGER DELTA	20.35	17.95	16.75	16.97	17.43	16.52	15.32	14.60	14.02		
CLOVERLAND	13.91	12.11	10.98	11.66	10.74	10.45	9.73	9.29	7.77		
GREAT LAKES	15.01	12.61	11.41	12.00	10.33	10.46	9.55	9.01	6.30		
MIDWEST ENERGY	15.03	12.63	11.43	11.63	10.40	10.82	9.79	9.17	10.24		
ONTONAGON	23.86	21.46	20.26	19.41	17.39	17.81	16.09	15.06	12.38		
PRESQUE ISLE	14.49	12.09	10.89	10.91	9.42	11.05	9.89	9.20	7.80		
THUMB	14.25	12.65	11.85	12.06	11.10	13.46	12.08	11.26	8.65		
TRI COUNTY	15.35	12.95	11.75	12.56	10.85	11.52	10.39	9.71	8.69		
AVERAGE INVESTOR OWNED	12.70	11.30	10.82	12.30	11.03	10.96	10.27	9.59	8.06	7.71	7.46
AVERAGE COOPERATIVE	16.53	14.30	13.16	13.40	12.21	12.76	11.60	10.91	9.48		
AVERAGE ALL COMPANIES	14.31	12.57	11.81	12.76	11.53	11.72	10.83	10.15	8.66	7.71	7.46

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2009

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	:	
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	13.29	12.44	12.02	12.57	11.92	11.66	10.51	9.71	7.83	6.52	6.46
CONSUMERS ENERGY	12.70	11.50	12.38	13.75	12.45	12.94	11.25	10.24	9.17	8.75	8.52
DETROIT EDISON	13.71	12.51	12.60	11.78	11.06	10.83	10.81	10.02	8.10	7.62	7.36
EDISON SAULT ELECTRIC	9.81	9.13	8.79	10.71	9.85	9.68	10.02	9.46	8.59	8.55	8.54
AEP (I&M) ST JOSEPH	7.75	6.64	6.33	10.20	8.20	7.86	7.54	7.35	5.15	4.85	4.72
AEP (I&M) THREE RIVERS	8.61	7.70	7.24	8.92	8.61	8.21	7.74	7.69	5.54	5.26	5.06
NORTHERN STATES POWER	9.93	9.08	8.66	9.21	8.49	8.69	7.78	7.23	6.87	6.82	6.81
UPPER PENINSULA POWER	18.10	16.50	15.70	17.46	16.30	16.27	14.21	12.97	9.96	9.82	9.80
UPPER PENINSULA POWER IRON RIVER	15.57	13.97	13.17	13.71	12.55	13.46	12.30	11.60	10.82	10.73	10.72
WISCONSIN ELECTRIC	14.78	12.86	11.90	13.19	11.75	11.54	11.51	10.04	8.29	7.94	6.74
WISCONSIN PUBLIC SERVICE	12.22	10.42	9.52	11.34	9.41	9.20	9.14	9.09	8.26	7.93	7.31
COOPERATIVES											
ALGER DELTA	20.35	17.95	16.75	16.97	17.43	16.52	15.32	14.60	14.02		
CHERRYLAND	14.65	12.25	11.05	10.88	9.55	10.75	9.46	8.69	7.56		
CLOVERLAND	13.91	12.11	10.98	11.66	10.74	10.45	9.73	9.29	7.77		
GREAT LAKES	15.01	12.61	11.41	12.00	10.33	10.46	9.55	9.01	6.30		
MIDWEST ENERGY	15.03	12.63	11.43	11.63	10.40	10.82	9.79	9.17	10.24		
ONTONAGON	23.86	21.46	20.26	19.41	17.39	17.81	16.09	15.06	12.38		
PRESQUE ISLE	14.49	12.09	10.89	10.91	9.42	11.05	9.89	9.20	7.80		
THUMB	14.25	12.65	11.85	12.07	11.10	13.46	12.08	11.26	8.65		
TRI COUNTY	15.35	12.95	11.75	12.56	10.85	11.52	10.39	9.71	8.69		
AVERAGE INVESTOR OWNED	12.41	11.16	10.76	12.08	10.96	10.94	10.26	9.58	8.05	7.71	7.46
AVERAGE COOPERATIVE	16.32	14.08	12.93	13.12	11.91	12.54	11.37	10.67	9.27		
AVERAGE ALL COMPANIES	14.17	12.47	11.73	12.55	11.39	11.66	10.76	10.07	8.60	7.71	7.46

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2009

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>	
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	13.29 12.68 13.38 9.69 7.75 8.61 11.18 17.70 15.17	12.44 11.48 12.18 9.01 6.64 7.70 10.33 16.10 13.57 12.86	12.02 12.36 12.27 8.67 6.33 7.24 9.91 15.30 12.77 11.90	12.57 13.73 11.81 10.71 10.20 8.92 10.46 17.06 13.31 13.19	11.92 12.43 11.09 9.85 8.20 8.61 9.74 15.90 12.15	11.66 12.92 10.86 9.68 7.86 8.21 9.94 15.87 13.06 11.54	10.51 11.23 10.84 10.02 7.54 7.74 9.03 13.81 11.90 11.51	9.71 10.22 10.21 9.46 7.35 7.69 8.48 12.57 11.20	7.83 9.15 8.46 8.59 5.11 5.54 8.12 9.56 10.42 8.29	6.52 8.73 7.98 8.55 4.85 5.26 8.07 9.42 10.33 7.94	6.46 8.50 7.72 8.54 4.72 5.06 8.06 9.40 10.32 6.74	
WISCONSIN PUBLIC SERVICE  COOPERATIVES ALGER DELTA CHERRYLAND CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	20.35 14.65 13.91 15.01 15.03 23.86 14.49 14.25 15.35	17.95 12.25 12.11 12.61 12.63 21.46 12.09 12.65 12.95	9.52 16.75 11.05 10.98 11.41 11.43 20.26 10.89 11.85 11.75	11.34 16.97 10.88 11.66 12.00 11.63 19.41 10.91 12.07 12.56	9.41 17.43 9.55 10.74 10.33 10.40 17.39 9.42 11.10 10.85	9.20 16.52 10.75 10.45 10.46 10.82 17.81 11.05 13.46 11.52	9.14 15.32 9.46 9.73 9.55 9.79 16.09 9.89 12.08 10.39	9.09 14.60 8.69 9.29 9.01 9.17 15.06 9.20 11.26 9.71	8.26 14.02 7.56 7.77 6.30 10.24 12.38 7.80 8.65 8.69	7.93	7.31	
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	12.40 16.32 14.17	11.16 14.08 12.47	10.75 12.93 11.73	12.12 13.12 12.57	11.00 11.91 11.41	10.98 12.54 11.68	10.30 11.37 10.78	9.64 10.67 10.10	8.12 9.27 8.64	7.78 7.78	7.53 7.53	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 1, 2009

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	13.05	12.20	11.78	12.33	11.79	11.46	10.33	9.55	7.69	6.35	6.34
CONSUMERS ENERGY	12.65	11.45	12.34	14.14	12.40	12.89	11.20	10.19	9.12	8.70	8.48
DETROIT EDISON	13.27	12.07	12.17	11.67	10.65	10.51	10.50	9.88	8.08	7.66	7.40
EDISON SAULT ELECTRIC	10.17	9.49	9.15	10.85	10.26	10.14	10.09	9.61	9.04	9.02	9.02
AEP (I&M) ST JOSEPH	7.67	6.56	6.25	9.92	8.15	7.85	7.53	7.34	5.11	4.85	4.72
AEP (I&M) THREE RIVERS	8.53	7.62	7.16	8.65	8.55	8.20	7.73	7.25	5.51	5.25	5.06
NORTHERN STATES POWER	11.05	10.20	9.78	10.31	9.71	9.88	8.98	8.44	8.10	8.06	8.06
UPPER PENINSULA POWER	17.49	15.89	15.09	16.81	15.85	15.75	13.72	12.50	9.46	9.41	9.40
UPPER PENINSULA POWER IRON RIVER	14.96	13.36	12.56	13.06	12.10	12.94	11.80	11.12	10.32	10.32	10.32
WISCONSIN ELECTRIC	14.65	12.73	11.77	12.87	11.69	11.53	11.50	9.85	8.22	7.93	6.74
WISCONSIN PUBLIC SERVICE	12.09	10.29	9.39	11.13	9.37	9.08	9.04	9.02	8.20	7.92	7.31
COOPERATIVES											
ALGER DELTA	20.13	17.73	16.53	16.77	16.72	16.35	15.20	14.50	14.01		
CHERRYLAND	14.51	12.11	10.91	10.72	9.52	10.63	9.37	8.62	7.44		
CLOVERLAND	13.77	11.97	10.85	11.51	10.71	10.20	9.54	9.14	7.75		
GREAT LAKES	15.13	12.73	11.53	11.99	10.55	10.72	9.82	9.28	6.45		
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91		
ONTONAGON	23.62	21.22	20.02	19.19	17.35	17.74	16.04	15.01	12.36		
PRESQUE ISLE	14.32	11.92	10.72	10.64	9.36	10.84	9.74	9.08	7.70		
THUMB	14.12	12.52	11.72	11.86	11.06	12.91	11.67	10.93	8.61		
TRI COUNTY	15.20	12.80	11.60	12.43	10.83	11.38	10.29	9.63	8.49		
AVERAGE INVESTOR OWNED	12.33	11.08	10.67	11.98	10.96	10.93	10.22	9.52	8.08	7.77	7.53
AVERAGE COOPERATIVE	16.19	13.94	12.80	12.96	11.83	12.38	11.26	10.59	9.19		
AVERAGE ALL COMPANIES	14.06	12.37	11.63	12.42	11.35	11.58	10.69	10.00	8.58	7.77	7.53

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2009

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	<u>21,600</u>	<u>28,800</u>	<u>36,000</u>	432,000	<u>4,320,000</u>	21,600,000	
INVESTOR OWNED												
ALPENA POWER	13.05	12.20	11.78	12.33	11.79	11.46	10.33	9.55	7.69	6.35	6.34	
CONSUMERS ENERGY	12.05	10.85	10.25	11.95	10.64	10.91	9.48	8.62	7.64	7.31	7.09	
DETROIT EDISON	13.27	12.07	12.17	11.67	10.97	10.83	10.82	10.20	8.39	7.97	7.72	
EDISON SAULT ELECTRIC	10.17	9.49	9.15	10.85	10.26	10.14	10.09	9.61	9.04	9.02	9.02	
AEP (I&M) ST JOSEPH	7.67	6.56	6.25	9.92	8.15	7.85	7.53	7.34	5.11	4.85	4.72	
AEP (I&M) THREE RIVERS	8.53	7.62	7.16	8.65	8.55	8.20	7.73	7.25	5.51	5.25	5.06	
NORTHERN STATES POWER	11.05	10.20	9.78	10.31	9.71	9.88	8.98	8.44	8.10	8.06	8.06	
UPPER PENINSULA POWER	17.49	15.89	15.09	16.81	15.85	15.75	13.72	12.50	9.46	9.41	9.40	
UPPER PENINSULA POWER IRON RIVER	14.96	13.36	12.56	13.06	12.10	12.94	11.80	11.12	10.32	10.32	10.32	
WISCONSIN ELECTRIC	12.87	10.95	9.99	11.09	9.91	9.75	9.71	8.07	6.44	6.15	4.96	
WISCONSIN PUBLIC SERVICE	12.09	10.29	9.39	11.13	9.37	9.08	9.04	9.02	8.20	7.92	7.31	
COOPERATIVES												
ALGER DELTA	20.13	17.73	16.53	16.77	16.72	16.35	15.20	14.50	14.01			
CHERRYLAND	14.51	12.11	10.91	10.72	9.52	10.63	9.37	8.62	7.44			
CLOVERLAND	13.77	11.97	10.85	11.51	10.71	10.20	9.54	9.14	7.75			
GREAT LAKES	15.13	12.73	11.53	11.99	10.55	10.72	9.82	9.28	6.45			
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91			
ONTONAGON	23.62	21.22	20.02	19.19	17.35	17.74	16.04	15.01	12.36			
PRESQUE ISLE	14.32	11.92	10.72	10.64	9.36	10.84	9.74	9.08	7.70			
THUMB	14.12	12.52	11.72	11.86	11.06	12.91	11.67	10.93	8.61			
TRI COUNTY	15.20	12.80	11.60	12.43	10.83	11.38	10.29	9.63	8.49			
AVERAGE INVESTOR OWNED	12.11	10.86	10.32	11.62	10.66	10.62	9.93	9.25	7.81	7.51	7.27	
AVERAGE COOPERATIVE	16.19	13.94	12.80	12.96	11.83	12.38	11.26	10.59	9.19			
AVERAGE ALL COMPANIES	13.94	12.25	11.44	12.22	11.19	11.41	10.53	9.85	8.43	7.51	7.27	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2009

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	13.05 12.23 13.27 10.17 7.67 8.53 11.05 17.89 15.36 12.87	12.20 11.03 12.07 9.49 6.56 7.62 10.20 16.29 13.76 10.95	11.78 10.43 12.17 9.15 6.25 7.16 9.78 15.49 12.96 9.99	12.33 12.13 10.29 10.85 9.92 8.65 10.31 17.21 13.46 11.09	11.79 10.82 10.42 10.26 8.15 8.55 9.71 16.25 12.50 9.91	11.46 11.09 10.29 10.14 7.85 8.20 9.88 16.15 13.34 9.75	10.33 9.66 10.28 10.09 7.53 7.73 8.98 14.12 12.20 9.71	9.55 8.80 9.65 9.61 7.34 7.25 8.44 12.90 11.52 8.07	7.69 7.82 7.85 9.04 5.11 5.51 8.10 9.86 10.72 6.44	6.35 7.49 7.43 9.02 4.85 5.25 8.06 9.81 10.72 6.15	6.34 7.28 7.18 9.02 4.72 5.06 8.06 9.80 10.72 4.96
WISCONSIN PUBLIC SERVICE  COOPERATIVES ALGER DELTA CHERRYLAND CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	20.13 14.51 13.77 15.13 14.90 23.62 14.32 14.12 15.20	17.73 12.11 11.97 12.73 12.50 21.22 11.92 12.52 12.80	9.39 16.53 10.91 10.85 11.53 11.30 20.02 10.72 11.72 11.60	11.13 16.77 10.72 11.51 11.99 11.49 19.19 10.64 11.86 12.43	9.37 16.72 9.52 10.71 10.55 10.37 17.35 9.36 11.06 10.83	9.08 16.35 10.63 10.20 10.72 10.68 17.74 10.84 12.91 11.38	9.04 15.20 9.37 9.54 9.82 9.68 16.04 9.74 11.67 10.29	9.02 14.50 8.62 9.14 9.28 9.08 15.01 9.08 10.93 9.63	8.20 14.01 7.44 7.75 6.45 9.91 12.36 7.70 8.61 8.49	7.92	7.31
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	12.20 16.19 13.99	10.95 13.94 12.30	10.41 12.80 11.48	11.58 12.96 12.20	10.70 11.83 11.21	10.66 12.38 11.43	9.97 11.26 10.55	9.29 10.59 9.87	7.85 9.19 8.45	7.55 7.55	7.31 7.31

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2009

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	21,600	28,800	36,000	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	13.05	12.20	11.78	12.33	11.79	11.46	10.33	9.55	7.69	6.35	6.34	
CONSUMERS ENERGY	12.50	11.30	10.70	12.30	10.99	11.26	9.83	8.97	7.99	7.66	7.44	
DETROIT EDISON	10.72	10.72	11.41	11.51	10.81	10.67	10.66	10.04	8.24	7.82	7.56	
EDISON SAULT ELECTRIC	10.17	9.49	9.15	10.85	10.26	10.14	10.09	9.61	9.04	9.02	9.02	
AEP (I&M) ST JOSEPH	7.67	6.56	6.25	9.92	8.15	7.85	7.53	7.34	5.11	4.85	4.72	
AEP (I&M) THREE RIVERS	8.53	7.62	7.16	8.65	8.55	8.20	7.73	7.25	5.51	5.25	5.06	
NORTHERN STATES POWER	11.05	10.20	9.78	10.31	9.71	9.88	8.98	8.44	8.10	8.06	8.06	
UPPER PENINSULA POWER	17.89	16.29	15.49	17.21	16.25	16.15	14.12	12.90	9.86	9.81	9.80	
UPPER PENINSULA POWER IRON RIVER	15.36	13.76	12.96	13.46	12.50	13.34	12.20	11.52	10.72	10.72	10.72	
WISCONSIN ELECTRIC	13.34	11.42	10.46	11.56	11.95	10.08	10.08	8.54	6.91	6.62	5.43	
WISCONSIN PUBLIC SERVICE	12.09	10.29	9.39	11.13	9.37	9.08	9.04	9.02	8.20	7.92	7.31	
COOPERATIVES												
ALGER DELTA	20.13	17.73	16.53	16.77	16.72	16.35	15.20	14.50	14.01			
CHERRYLAND	14.36	11.96	10.76	10.56	9.36	10.47	9.22	8.46	7.29			
CLOVERLAND	13.77	11.97	10.85	11.51	10.71	10.20	9.54	9.14	7.75			
GREAT LAKES	15.13	12.73	11.53	11.99	10.55	10.72	9.82	9.28	6.45			
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91			
ONTONAGON	23.62	21.22	20.02	19.19	17.35	17.74	16.04	15.01	12.36			
PRESQUE ISLE	14.32	11.92	10.72	10.64	9.36	10.84	9.74	9.08	7.70			
THUMB	14.12	12.52	11.72	11.86	11.06	12.91	11.67	10.93	8.61			
TRI COUNTY	15.20	12.80	11.60	12.43	10.83	11.38	10.29	9.63	8.49			
AVERAGE INVESTOR OWNED	12.03	10.89	10.41	11.75	10.94	10.74	10.05	9.38	7.94	7.64	7.41	
AVERAGE COOPERATIVE	16.17	13.93	12.78	12.94	11.81	12.37	11.24	10.57	9.18			
AVERAGE ALL COMPANIES	13.89	12.26	11.48	12.28	11.33	11.47	10.59	9.91	8.50	7.64	7.41	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2009

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	<u>21,600</u>	<u>28,800</u>	<u>36,000</u>	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	13.05	12.20	11.78	12.33	11.79	11.46	10.33	9.55	7.69	6.35	6.34	
CONSUMERS ENERGY	12.75	11.55	10.95	12.56	11.25	11.52	10.09	9.23	8.25	7.92	7.70	
DETROIT EDISON	10.72	10.72	11.41	11.51	10.81	10.67	10.66	10.04	8.24	7.82	7.56	
EDISON SAULT ELECTRIC	10.31	9.63	9.29	10.99	10.40	10.28	10.23	9.75	9.19	9.16	9.16	
AEP (I&M) ST JOSEPH	7.67	6.56	6.25	9.92	8.15	7.85	7.53	7.34	5.11	4.85	4.72	
AEP (I&M) THREE RIVERS	8.53	7.62	7.16	8.65	8.55	8.20	7.73	7.25	5.51	5.25	5.06	
NORTHERN STATES POWER	11.23	10.38	9.95	10.49	9.89	10.06	9.16	8.62	8.28	8.24	8.24	
UPPER PENINSULA POWER	17.89	16.29	15.49	17.21	16.25	16.15	14.12	12.90	9.86	9.81	9.80	
UPPER PENINSULA POWER IRON RIVER	15.36	13.76	12.96	13.46	12.50	13.34	12.20	11.52	10.72	10.72	10.72	
WISCONSIN ELECTRIC	13.36	11.44	10.48	11.58	11.96	10.10	10.10	8.55	6.92	6.64	5.45	
WISCONSIN PUBLIC SERVICE	12.09	10.29	9.39	11.13	9.37	9.08	9.04	9.02	8.20	7.92	7.31	
COOPERATIVES												
ALGER DELTA	20.13	17.73	16.53	16.77	16.72	16.35	15.20	14.50	14.01			
CHERRYLAND	14.21	11.81	10.61	10.41	9.21	10.32	9.07	8.31	7.14			
CLOVERLAND	13.77	11.97	10.85	11.51	10.71	10.20	9.54	9.14	7.75			
GREAT LAKES	15.13	12.73	11.53	11.99	10.55	10.72	9.82	9.28	6.45			
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91			
ONTONAGON	23.62	21.22	20.02	19.19	17.35	17.74	16.04	15.01	12.36			
PRESQUE ISLE	14.32	11.92	10.72	10.64	9.36	10.84	9.74	9.08	7.70			
THUMB	14.12	12.52	11.72	11.86	11.06	12.92	11.68	10.93	8.61			
TRI COUNTY	15.60	13.20	12.00	12.83	11.23	11.78	10.69	10.03	8.89			
AVERAGE INVESTOR OWNED	12.09	10.95	10.46	11.80	10.99	10.79	10.11	9.43	8.00	7.70	7.46	
AVERAGE COOPERATIVE	16.20	13.95	12.81	12.97	11.84	12.39	11.27	10.60	9.20			
AVERAGE ALL COMPANIES	13.94	12.30	11.52	12.33	11.37	11.51	10.63	9.96	8.54	7.70	7.46	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 14, 2009

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	<u>21,600</u>	<u>28,800</u>	<u>36,000</u>	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	13.05	12.20	11.78	12.33	11.79	11.46	10.33	9.55	7.69	6.35	6.34	
CONSUMERS ENERGY	12.80	11.60	11.00	12.60	11.29	11.56	10.13	9.27	8.29	7.96	7.75	
DETROIT EDISON	10.72	10.72	11.41	11.51	10.81	10.67	10.66	10.04	8.24	7.82	7.56	
EDISON SAULT ELECTRIC	10.31	9.63	9.29	10.99	10.40	10.28	10.23	9.75	9.19	9.16	9.16	
AEP (I&M) ST JOSEPH	7.66	6.55	6.25	9.93	8.14	7.84	7.52	7.34	5.11	4.85	4.73	
AEP (I&M) THREE RIVERS	8.53	7.61	7.16	8.66	8.55	8.20	7.72	7.25	5.51	5.25	5.06	
NORTHERN STATES POWER	11.23	10.38	9.95	10.49	9.89	10.06	9.16	8.62	8.28	8.24	8.24	
UPPER PENINSULA POWER	17.89	16.29	15.49	17.21	16.25	16.15	14.12	12.90	9.86	9.81	9.80	
UPPER PENINSULA POWER IRON RIVER	15.36	13.76	12.96	13.46	12.50	13.34	12.20	11.52	10.72	10.72	10.72	
WISCONSIN ELECTRIC	13.36	11.44	10.48	11.58	11.96	10.10	10.10	8.55	6.92	6.64	5.45	
WISCONSIN PUBLIC SERVICE	12.63	10.83	9.93	11.67	9.91	9.62	9.58	9.56	8.75	8.47	7.86	
COOPERATIVES												
ALGER DELTA	19.62	17.22	16.02	15.92	16.37	16.01	14.87	14.19	13.71			
CHERRYLAND	14.01	11.61	10.41	10.21	9.01	10.12	8.87	8.11	6.92			
CLOVERLAND	11.69	9.89	8.76	9.43	8.63	8.11	7.46	7.06	5.67			
GREAT LAKES	15.13	12.73	11.53	11.99	10.55	10.72	9.82	9.28	6.45			
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91			
ONTONAGON	22.70	20.30	19.10	18.66	17.06	17.44	15.74	14.71	12.06			
PRESQUE ISLE	14.32	11.92	10.72	10.64	9.36	10.84	9.74	9.08	7.68			
THUMB	14.19	12.59	11.79	11.93	11.13	12.98	11.75	11.00	8.68			
TRI COUNTY	15.60	13.20	12.00	12.83	11.23	11.78	10.69	10.03	8.89			
AVERAGE INVESTOR OWNED	12.14	11.00	10.52	11.86	11.05	10.84	10.16	9.49	8.05	7.75	7.51	
AVERAGE COOPERATIVE	15.79	13.55	12.40	12.57	11.52	12.08	10.96	10.28	8.89			
AVERAGE ALL COMPANIES	13.78	12.15	11.37	12.18	11.26	11.40	10.52	9.85	8.43	7.75	7.51	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2008

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	21,600	28,800	36,000	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	12.28	11.43	11.00	11.55	11.01	10.69	9.56	8.78	6.91	5.57	5.57	
CONSUMERS ENERGY	11.69	10.49	9.89	11.47	10.15	10.42	8.99	8.13	7.15	6.82	6.60	
DETROIT EDISON	10.93	10.93	11.62	11.71	10.96	10.82	10.81	10.47	8.16	7.75	7.50	
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85	
AEP (I&M) ST JOSEPH	7.20	6.09	5.79	9.47	7.68	7.38	7.06	6.87	4.65	4.39	4.26	
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56	
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25	
UPPER PENINSULA POWER	17.43	15.83	15.03	16.75	15.79	15.68	13.65	12.43	9.39	9.34	9.34	
UPPER PENINSULA POWER IRON RIVER	14.89	13.29	12.49	13.00	12.04	12.87	11.74	11.05	10.25	10.25	10.25	
WISCONSIN ELECTRIC	13.26	9.82	8.86	9.98	10.36	8.62	8.59	7.33	5.66	5.39	5.20	
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69	
COOPERATIVES												
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98			
CHERRYLAND	13.01	10.61	9.41	9.21	8.01	9.12	7.87	7.11	5.92			
CLOVERLAND	10.83	9.03	7.80	8.45	7.65	7.14	6.48	6.08	4.70			
GREAT LAKES	14.75	12.35	11.15	11.62	10.18	10.35	9.44	8.90	6.08			
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91			
ONTONAGON	21.66	19.26	18.06	17.62	16.02	16.40	14.69	13.67	11.02			
PRESQUE ISLE	13.42	11.02	9.82	9.74	8.46	9.94	8.84	8.18	6.78			
THUMB	13.88	12.28	11.48	11.62	10.82	12.67	11.44	10.69	8.37			
TRI COUNTY	14.92	12.52	11.32	12.40	10.80	11.35	10.26	9.60	8.46			
AVERAGE INVESTOR OWNED	11.67	10.40	9.91	11.25	10.43	10.24	9.56	8.93	7.45	7.15	7.01	
AVERAGE COOPERATIVE	15.14	12.89	11.74	11.93	10.88	11.44	10.31	9.64	8.25			
AVERAGE ALL COMPANIES	13.23	11.52	10.73	11.55	10.64	10.78	9.90	9.25	7.81	7.15	7.01	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2008

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	21,600	<u>28,800</u>	36,000	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	12.28	11.43	11.00	11.55	11.01	10.69	9.56	8.78	6.91	5.57	5.57	
CONSUMERS ENERGY	11.69	10.49	9.89	11.47	10.15	10.42	8.99	8.13	7.15	6.82	1083.11	
DETROIT EDISON	10.93	10.93	11.62	11.71	10.96	10.82	10.81	10.47	8.16	7.75	7.50	
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85	
AEP (I&M) ST JOSEPH	7.20	6.09	5.79	9.47	7.68	7.38	7.06	6.87	4.65	4.39	4.26	
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56	
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25	
UPPER PENINSULA POWER	17.43	15.83	15.03	16.75	15.79	15.68	13.65	12.43	9.39	9.34	9.34	
UPPER PENINSULA POWER IRON RIVER	14.89	13.29	12.49	13.00	12.04	12.87	11.74	11.05	10.25	10.25	10.25	
WISCONSIN ELECTRIC	13.26	9.82	8.86	9.98	10.36	8.62	8.59	7.33	5.66	5.39	5.20	
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69	
COOPERATIVES												
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98			
CHERRYLAND	13.01	10.61	9.41	9.21	8.01	9.12	7.87	7.11	5.92			
CLOVERLAND	10.83	9.03	7.80	8.45	7.65	7.14	6.48	6.08	4.70			
GREAT LAKES	14.75	12.35	11.15	11.62	10.18	10.35	9.44	8.90	6.08			
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91			
ONTONAGON	21.66	19.26	18.06	17.62	16.02	16.40	14.69	13.67	11.02			
PRESQUE ISLE	13.42	11.02	9.82	9.74	8.46	9.94	8.84	8.18	6.78			
THUMB	13.88	12.28	11.48	11.62	10.82	12.67	11.44	10.69	8.37			
TRI COUNTY	14.92	12.52	11.32	12.40	10.80	11.35	10.26	9.60	8.46			
AVERAGE INVESTOR OWNED	11.67	10.40	9.91	11.25	10.43	10.24	9.56	8.93	7.45	7.15	104.87	
AVERAGE COOPERATIVE	15.14	12.89	11.74	11.93	10.88	11.44	10.31	9.64	8.25			
AVERAGE ALL COMPANIES	13.23	11.52	10.73	11.55	10.64	10.78	9.90	9.25	7.81	7.15	104.87	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2008

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	12.28	11.43	11.00	11.55	11.01	10.69	9.56	8.78	6.91	5.57	5.57
CONSUMERS ENERGY	12.06	10.86	10.26	11.85	10.53	10.80	9.37	8.51	7.53	7.20	6.98
DETROIT EDISON	10.93	10.93	11.62	11.71	10.96	10.82	10.81	10.47	8.16	7.75	7.50
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85
AEP (I&M) ST JOSEPH	7.20	6.09	5.79	9.47	7.68	7.38	7.06	6.87	4.65	4.39	4.26
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25
UPPER PENINSULA POWER	16.94	15.34	14.54	16.26	15.30	15.20	13.17	11.95	8.91	8.86	8.85
UPPER PENINSULA POWER IRON RIVER	14.41	12.81	12.01	12.51	11.55	12.39	11.25	10.57	9.77	9.77	9.77
WISCONSIN ELECTRIC	13.26	9.82	8.86	9.98	10.36	8.62	8.59	7.33	5.66	5.39	5.20
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69
COOPERATIVES											
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98		
CHERRYLAND	13.46	11.06	9.86	9.66	8.46	9.57	8.32	7.56	6.37		
CLOVERLAND	10.83	9.03	7.80	8.45	7.65	7.14	6.48	6.08	4.70		
GREAT LAKES	14.75	12.35	11.15	11.62	10.18	10.35	9.44	8.90	6.08		
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91		
ONTONAGON	21.66	19.26	18.06	17.62	16.02	16.40	14.69	13.67	11.02		
PRESQUE ISLE	12.88	10.48	9.28	9.21	7.93	9.40	8.30	7.64	6.24		
THUMB	13.88	12.28	11.48	11.62	10.82	12.67	11.44	10.69	8.37		
TRI COUNTY	14.92	12.52	11.32	12.40	10.80	11.35	10.26	9.60	8.46		
AVERAGE INVESTOR OWNED	11.62	10.34	9.86	11.20	10.38	10.19	9.50	8.88	7.39	7.10	6.95
AVERAGE COOPERATIVE	15.13	12.88	11.73	11.92	10.87	11.43	10.31	9.63	8.24		
AVERAGE ALL COMPANIES	13.20	11.49	10.70	11.52	10.60	10.75	9.86	9.22	7.77	7.10	6.95

Source: Michigan Public Service Commission Utility Rate Books Compiled by the Regulated Energy Division

Updated 2/8/2011 to fix CE Industrial Calculation

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2008

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	12.28	11.43	11.00	11.55	11.01	10.69	9.56	8.78	6.91	5.57	5.57	
CONSUMERS ENERGY	11.91	10.71	10.11	11.69	10.37	10.64	9.21	8.35	7.37	7.04	6.82	
DETROIT EDISON	10.93	10.93	11.62	11.71	10.96	10.82	10.81	10.47	8.16	7.75	7.50	
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85	
AEP (I&M) ST JOSEPH	7.20	6.09	5.79	9.47	7.68	7.38	7.06	6.87	4.65	4.54	4.26	
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56	
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25	
UPPER PENINSULA POWER	16.94	15.34	14.54	16.26	15.30	15.20	13.17	11.95	8.91	8.86	8.85	
UPPER PENINSULA POWER IRON RIVER	14.41	12.81	12.01	12.51	11.55	12.39	11.25	10.57	9.77	9.77	9.77	
WISCONSIN ELECTRIC	13.26	9.82	8.86	9.98	10.36	8.62	8.59	7.33	5.66	5.39	5.20	
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69	
COOPERATIVES												
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98			
CHERRYLAND	13.46	11.06	9.86	9.66	8.46	9.57	8.32	7.56	6.37			
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13			
GREAT LAKES	14.75	12.35	11.15	11.62	10.18	10.35	9.44	8.90	6.08			
MIDWEST ENERGY	14.90	12.50	11.30	11.49	10.37	10.68	9.68	9.08	9.91			
ONTONAGON	21.66	19.26	18.06	17.62	16.02	16.40	14.69	13.67	11.02			
PRESQUE ISLE	14.08	11.68	10.48	10.41	9.13	10.60	9.50	8.84	7.44			
THUMB	14.58	12.98	12.18	12.32	11.52	13.37	12.14	11.39	9.07			
TRI COUNTY	14.92	12.52	11.32	12.40	10.80	11.35	10.26	9.60	8.46			
AVERAGE INVESTOR OWNED	11.60	10.33	9.84	11.18	10.36	10.17	9.49	8.87	7.38	7.10	6.94	
AVERAGE COOPERATIVE	15.72	13.48	12.32	12.51	11.47	12.02	10.90	10.23	8.83			
AVERAGE ALL COMPANIES	13.46	11.75	10.96	11.78	10.86	11.00	10.12	9.48	8.03	7.10	6.94	

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Updated 2/8/2011 to fix CE Industrial Calculation

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2008

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	12.28	11.43	11.00	11.55	11.01	10.69	9.56	8.78	6.91	5.57	5.57	
CONSUMERS ENERGY	11.65	10.45	11.34	12.65	11.33	12.13	10.49	9.50	8.67	8.34	8.12	
DETROIT EDISON	10.93	10.93	11.62	11.70	10.95	10.81	10.80	10.46	8.15	7.74	7.49	
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85	
AEP (I&M) ST JOSEPH	7.20	6.09	5.79	9.47	7.68	7.38	7.06	6.87	4.65	4.54	4.26	
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56	
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25	
UPPER PENINSULA POWER	16.94	15.34	14.54	16.26	15.30	15.20	13.17	11.95	8.91	8.86	8.85	
UPPER PENINSULA POWER IRON RIVER	14.41	12.81	12.01	12.51	11.55	12.39	11.25	10.57	9.77	9.77	9.77	
WISCONSIN ELECTRIC	13.52	10.08	9.12	10.24	10.62	8.88	8.85	7.59	5.92	5.65	5.46	
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69	
COOPERATIVES												
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98			
CHERRYLAND	13.46	11.06	9.86	9.66	8.46	9.57	8.32	7.56	6.37			
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13			
GREAT LAKES	15.35	12.95	11.75	12.22	10.78	10.95	10.04	9.50	6.68			
MIDWEST ENERGY	14.43	12.03	10.83	11.02	9.90	10.21	9.21	8.61	9.44			
ONTONAGON	21.66	19.26	18.06	17.62	16.02	16.40	14.69	13.67	11.02			
PRESQUE ISLE	14.55	12.15	10.95	10.87	9.59	11.06	9.96	9.30	7.90			
THUMB	13.61	12.21	11.51	11.65	10.93	12.80	11.56	10.82	8.77			
TRI COUNTY	14.92	12.52	11.32	12.40	10.80	11.35	10.26	9.60	8.46			
AVERAGE INVESTOR OWNED	11.60	10.33	9.98	11.29	10.47	10.33	9.63	8.99	7.52	7.24	7.08	
AVERAGE COOPERATIVE	15.68	13.46	12.31	12.50	11.47	12.02	10.90	10.23	8.86			
AVERAGE ALL COMPANIES	13.44	11.74	11.03	11.84	10.92	11.09	10.20	9.55	8.12	7.24	7.08	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN August 1, 2008

	RESIDENTIAL  250 500 1,000		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	<u>21,600</u>	<u>28,800</u>	<u>36,000</u>	432,000	<u>4,320,000</u>	21,600,000
INVESTOR OWNED											
ALPENA POWER	12.30	11.45	11.02	11.57	11.03	10.71	9.58	8.80	6.93	5.59	5.59
CONSUMERS ENERGY	12.06	10.86	11.75	13.07	11.75	12.55	10.90	9.91	9.09	8.76	8.54
DETROIT EDISON	10.73	10.73	11.42	11.50	10.75	10.62	10.60	10.26	7.95	7.54	7.29
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85
AEP (I&M) ST JOSEPH	7.97	6.86	6.56	10.24	8.45	8.15	7.84	7.65	5.42	5.31	5.04
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25
UPPER PENINSULA POWER	16.94	15.34	14.54	16.26	15.30	15.20	13.17	11.95	8.91	8.86	8.85
UPPER PENINSULA POWER IRON RIVER	14.41	12.81	12.01	12.51	11.55	12.39	11.25	10.57	9.77	9.77	9.77
WISCONSIN ELECTRIC	13.52	10.08	9.12	10.24	10.62	8.88	8.85	7.59	5.92	5.65	5.46
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69
COOPERATIVES											
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98		
CHERRYLAND	14.50	12.10	10.90	10.70	9.50	10.61	9.36	8.60	7.41		
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13		
GREAT LAKES	15.56	13.16	11.96	12.43	10.99	11.16	10.26	9.71	6.89		
MIDWEST ENERGY	14.43	12.03	10.83	11.02	9.90	10.21	9.21	8.61	9.44		
ONTONAGON	21.66	19.26	18.06	17.62	16.02	16.40	14.69	13.67	11.02		
PRESQUE ISLE	15.30	12.90	11.70	11.62	10.34	11.82	10.72	10.06	8.66		
THUMB	13.91	12.51	11.81	11.95	11.23	13.10	11.86	11.12	9.07		
TRI COUNTY	15.35	12.95	11.75	12.83	11.23	11.78	10.68	10.03	8.89		
AVERAGE INVESTOR OWNED	11.70	10.42	10.07	11.38	10.57	10.42	9.72	9.08	7.61	7.33	7.17
AVERAGE COOPERATIVE	15.98	13.76	12.61	12.80	11.77	12.32	11.20	10.53	9.16		
AVERAGE ALL COMPANIES	13.62	11.92	11.21	12.02	11.11	11.28	10.39	9.74	8.31	7.33	7.17

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN July 1, 2008

	<u>RESIDENTIAL</u> 250 500 1,000		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	<u>21,600</u>	<u>28,800</u>	<u>36,000</u>	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	12.30	11.45	11.02	11.57	11.03	10.71	9.58	8.80	6.93	5.59	5.59	
CONSUMERS ENERGY	12.02	10.82	11.71	13.02	11.70	12.51	10.86	9.87	9.04	8.71	8.49	
DETROIT EDISON	10.73	10.73	11.42	11.50	10.75	10.62	10.60	10.26	7.95	7.54	7.29	
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85	
AEP (I&M) ST JOSEPH	7.97	6.86	6.56	10.24	8.45	8.15	7.84	7.65	5.42	5.31	5.04	
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56	
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25	
UPPER PENINSULA POWER	16.94	15.34	14.54	16.26	15.30	15.20	13.17	11.95	8.91	8.86	8.85	
UPPER PENINSULA POWER IRON RIVER	14.41	12.81	12.01	12.51	11.55	12.39	11.25	10.57	9.77	9.77	9.77	
WISCONSIN ELECTRIC	13.52	10.08	9.12	10.24	10.62	8.88	8.85	7.59	5.92	5.65	5.46	
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69	
COOPERATIVES												
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98			
CHERRYLAND	14.50	12.10	10.90	10.70	9.50	10.61	9.36	8.60	7.41			
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13			
GREAT LAKES	15.56	13.16	11.96	12.43	10.99	11.16	10.26	9.71	6.89			
MIDWEST ENERGY	14.43	12.03	10.83	11.02	9.90	10.21	9.21	8.61	9.44			
ONTONAGON	21.30	18.90	17.70	17.26	15.66	16.04	14.33	13.31	10.66			
PRESQUE ISLE	15.30	12.90	11.70	11.62	10.34	11.82	10.72	10.06	8.66			
THUMB	13.91	12.51	11.81	11.95	11.23	13.10	11.86	11.12	9.07			
TRI COUNTY	15.35	12.95	11.75	12.83	11.23	11.78	10.68	10.03	8.89			
AVERAGE INVESTOR OWNED	11.69	10.42	10.07	11.38	10.56	10.42	9.71	9.08	7.61	7.33	7.17	
AVERAGE COOPERATIVE	15.94	13.72	12.57	12.76	11.73	12.28	11.16	10.49	9.12			
AVERAGE ALL COMPANIES	13.60	11.90	11.19	12.00	11.09	11.26	10.37	9.72	8.29	7.33	7.17	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN June 24, 2008

	RESIDENTIAL           h         250         500         1,000		<u>.L</u>	SMALL CON	IMERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	<u>21,600</u>	<u>28,800</u>	<u>36,000</u>	432,000	4,320,000	<u>21,600,000</u>
INVESTOR OWNED											
ALPENA POWER	12.30	11.45	11.02	11.57	11.03	10.71	9.58	8.80	6.93	5.59	5.59
CONSUMERS ENERGY	11.68	10.48	11.36	12.68	11.36	12.16	10.51	9.52	8.70	8.37	8.15
DETROIT EDISON	10.73	10.73	11.42	11.50	10.75	10.62	10.60	10.26	7.95	7.54	7.29
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85
AEP (I&M) ST JOSEPH	7.97	6.86	6.56	10.24	8.45	8.15	7.84	7.65	5.42	5.31	5.04
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25
UPPER PENINSULA POWER	16.94	15.34	14.54	16.26	15.30	15.20	13.17	11.95	8.91	8.86	8.85
UPPER PENINSULA POWER IRON RIVER	14.41	12.81	12.01	12.51	11.55	12.39	11.25	10.57	9.77	9.77	9.77
WISCONSIN ELECTRIC	13.52	10.08	9.12	10.24	10.62	8.88	8.85	7.59	5.92	5.65	5.46
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69
COOPERATIVES											
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98		
CHERRYLAND	14.61	12.21	11.01	10.82	9.62	10.73	9.47	8.72	7.52		
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13		
GREAT LAKES	15.56	13.16	11.96	12.43	10.99	11.16	10.26	9.71	6.89		
MIDWEST ENERGY	14.43	12.03	10.83	11.02	9.90	10.21	9.21	8.61	9.44		
ONTONAGON	21.30	18.90	17.70	17.26	15.66	16.04	14.33	13.31	10.66		
PRESQUE ISLE	15.30	12.90	11.70	11.62	10.34	11.82	10.72	10.06	8.66		
THUMB	13.91	12.51	11.81	11.95	11.23	13.10	11.86	11.12	9.07		
TRI COUNTY	15.35	12.95	11.75	12.83	11.23	11.78	10.68	10.03	8.89		
AVERAGE INVESTOR OWNED	11.66	10.38	10.04	11.35	10.53	10.39	9.68	9.05	7.58	7.30	7.14
AVERAGE COOPERATIVE	15.96	13.73	12.58	12.78	11.74	12.30	11.18	10.50	9.14		
AVERAGE ALL COMPANIES	13.59	11.89	11.18	11.99	11.08	11.25	10.36	9.70	8.28	7.30	7.14

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN May 1, 2008

	RESIDENTIAL  250 500 1,000		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	<u>21,600</u>	<u>28,800</u>	<u>36,000</u>	<u>432,000</u>	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	12.30	11.45	11.02	11.57	11.03	10.71	9.58	8.80	6.93	5.59	5.59	
CONSUMERS ENERGY	10.70	10.70	10.70	12.75	11.99	11.64	10.25	9.42	7.63	7.81	7.54	
DETROIT EDISON	10.01	10.01	10.70	11.32	10.57	10.43	10.42	10.08	7.77	7.36	7.11	
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85	
AEP (I&M) ST JOSEPH	7.97	6.86	6.56	10.24	8.45	8.15	7.84	7.65	5.42	5.31	5.04	
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56	
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25	
UPPER PENINSULA POWER	16.94	15.34	14.54	16.26	15.30	15.20	13.17	11.95	8.91	8.86	8.85	
UPPER PENINSULA POWER IRON RIVER	14.41	12.81	12.01	12.51	11.55	12.39	11.25	10.57	9.77	9.77	9.77	
WISCONSIN ELECTRIC	13.52	10.08	9.12	10.25	10.62	8.88	8.85	7.59	5.92	5.65	5.46	
WISCONSIN PUBLIC SERVICE	12.47	10.67	9.77	11.50	9.74	9.45	9.42	9.40	8.58	8.30	7.69	
COOPERATIVES												
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98			
CHERRYLAND	14.61	12.21	11.01	10.82	9.62	10.73	9.47	8.72	7.52			
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13			
GREAT LAKES	15.56	13.16	11.96	12.43	10.99	11.16	10.26	9.71	6.89			
MIDWEST ENERGY	14.43	12.03	10.83	11.02	9.90	10.21	9.21	8.61	9.44			
ONTONAGON	21.30	18.90	17.70	17.26	15.66	16.04	14.33	13.31	10.66			
PRESQUE ISLE	15.30	12.90	11.70	11.62	10.34	11.82	10.72	10.06	8.66			
THUMB	13.77	12.37	11.67	11.81	11.09	12.97	11.73	10.98	8.94			
TRI COUNTY	15.35	12.95	11.75	12.83	11.23	11.78	10.68	10.03	8.89			
AVERAGE INVESTOR OWNED	11.51	10.34	9.91	11.34	10.57	10.33	9.64	9.02	7.46	7.23	7.06	
AVERAGE COOPERATIVE	15.94	13.72	12.57	12.76	11.73	12.28	11.16	10.49	9.12	•		
AVERAGE ALL COMPANIES	13.50	11.86	11.11	11.98	11.09	11.21	10.33	9.68	8.21	7.23	7.06	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN April 1, 2008

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	21,600	<u>28,800</u>	36,000	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	12.22	11.37	10.95	11.50	10.96	10.63	9.50	8.72	6.86	5.52	5.51	
CONSUMERS ENERGY	10.19	10.19	10.19	12.24	11.48	11.21	9.82	8.99	7.21	7.38	7.11	
DETROIT EDISON	10.73	10.73	11.42	11.85	11.10	10.97	10.95	10.61	8.30	7.89	7.64	
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85	
AEP (I&M) ST JOSEPH	7.97	6.86	6.56	10.20	8.46	8.16	7.84	7.65	5.42	5.31	5.03	
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.11	8.05	7.70	7.23	6.73	5.00	4.75	4.56	
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25	
UPPER PENINSULA POWER	17.25	15.65	14.85	16.57	15.61	15.50	13.47	12.25	9.21	9.16	9.16	
UPPER PENINSULA POWER IRON RIVER	14.71	13.11	12.31	12.82	11.86	12.69	11.56	10.87	10.07	10.07	10.07	
WISCONSIN ELECTRIC	13.52	10.08	9.12	10.25	10.62	8.88	8.85	7.59	5.92	5.65	5.46	
WISCONSIN PUBLIC SERVICE	12.09	10.29	9.39	11.13	9.37	9.08	9.04	9.02	8.20	7.92	7.31	
COOPERATIVES												
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98			
CHERRYLAND	14.61	12.21	11.01	10.82	9.62	10.73	9.47	8.72	7.52			
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13			
GREAT LAKES	15.56	13.16	11.96	12.43	10.99	11.16	10.26	9.71	6.89			
MIDWEST ENERGY	14.43	12.03	10.83	11.02	9.90	10.21	9.21	8.61	9.44			
ONTONAGON	21.30	18.90	17.70	17.26	15.66	16.04	14.33	13.31	10.66			
PRESQUE ISLE	15.30	12.90	11.70	11.62	10.34	11.82	10.72	10.06	8.66			
THUMB	13.77	12.37	11.67	11.81	11.09	12.97	11.73	10.98	8.94			
TRI COUNTY	15.35	12.95	11.75	12.83	11.23	11.78	10.68	10.03	8.89			
AVERAGE INVESTOR OWNED	11.54	10.37	9.94	11.35	10.59	10.35	9.67	9.04	7.49	7.25	7.09	
AVERAGE COOPERATIVE	15.94	13.72	12.57	12.76	11.73	12.28	11.16	10.49	9.12			
AVERAGE ALL COMPANIES	13.52	11.88	11.13	11.98	11.10	11.22	10.34	9.69	8.22	7.25	7.09	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN March 1, 2008

	RESIDENTIAL		SMALL COMMERCIAL					INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	12.22	11.37	10.95	11.50	10.96	10.63	9.50	8.72	6.86	5.52	5.51
CONSUMERS ENERGY	10.22	10.22	10.22	12.36	11.51	11.25	9.86	9.02	7.24	7.42	7.15
DETROIT EDISON	10.64	10.64	11.33	11.59	10.85	10.71	10.70	10.39	8.11	7.69	7.44
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85
AEP (I&M) ST JOSEPH	7.97	6.86	6.56	10.24	8.45	8.15	7.84	7.65	5.42	5.31	5.04
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25
UPPER PENINSULA POWER	17.43	15.83	15.03	16.75	15.79	15.68	13.65	12.43	9.39	9.34	9.34
UPPER PENINSULA POWER IRON RIVER	14.89	13.29	12.49	13.00	12.04	12.87	11.74	11.05	10.25	10.25	10.25
WISCONSIN ELECTRIC	13.59	11.67	10.71	11.83	10.63	10.46	10.43	9.17	7.50	7.23	7.04
WISCONSIN PUBLIC SERVICE	12.09	10.29	9.39	11.13	9.37	9.08	9.04	9.02	8.20	7.92	7.31
COOPERATIVES											
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98		
CHERRYLAND	14.61	12.21	11.01	10.82	9.62	10.73	9.47	8.72	7.52		
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13		
GREAT LAKES	15.56	13.16	11.96	12.43	10.99	11.16	10.26	9.71	6.89		
MIDWEST ENERGY	14.43	12.03	10.83	11.02	9.90	10.21	9.21	8.61	9.44		
ONTONAGON	21.30	18.90	17.70	17.26	15.66	16.04	14.33	13.31	10.66		
PRESQUE ISLE	15.30	12.90	11.70	11.62	10.34	11.82	10.72	10.06	8.66		
THUMB	13.91	12.51	11.81	11.95	11.23	13.10	11.86	11.12	9.07		
TRI COUNTY	15.56	13.16	11.96	13.04	11.44	12.00	10.90	10.24	9.10		
AVERAGE INVESTOR OWNED	11.57	10.54	10.11	11.52	10.60	10.51	9.82	9.21	7.65	7.41	7.25
AVERAGE COOPERATIVE	15.98	13.76	12.61	12.80	11.77	12.32	11.20	10.53	9.16		
AVERAGE ALL COMPANIES	13.56	11.99	11.24	12.10	11.13	11.32	10.44	9.80	8.33	7.41	7.25

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2008

	RESIDENTIAL           250         500         1,000		SMALL COMMERCIAL		LARGE COMMERCIAL				INDUSTRIAL			
kW				5	25	100	100	100	1,000	10,000	50,000	
kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	<u>1,000</u>	<u>5,000</u>	<u>21,600</u>	<u>28,800</u>	<u>36,000</u>	432,000	4,320,000	21,600,000	
INVESTOR OWNED												
ALPENA POWER	12.30	11.45	11.02	11.57	11.03	10.71	9.58	8.80	6.93	5.59	5.59	
CONSUMERS ENERGY	10.28	10.28	10.28	12.42	11.57	11.31	9.92	9.08	7.30	7.47	7.21	
DETROIT EDISON	10.62	10.62	11.31	11.58	10.83	10.70	10.69	10.37	8.09	7.68	7.43	
EDISON SAULT ELECTRIC	9.99	9.31	8.97	10.67	10.08	9.97	9.92	9.43	8.87	8.85	8.85	
AEP (I&M) ST JOSEPH	7.97	6.86	6.56	10.24	8.45	8.15	7.84	7.65	5.42	5.31	5.04	
AEP (I&M) THREE RIVERS	8.03	7.11	6.66	8.16	8.05	7.70	7.22	6.75	5.01	4.75	4.56	
NORTHERN STATES POWER	10.24	9.39	8.96	9.50	8.90	9.06	8.17	7.63	7.28	7.25	7.25	
UPPER PENINSULA POWER	17.43	15.83	15.03	16.75	15.79	15.68	13.65	12.43	9.39	9.34	9.34	
UPPER PENINSULA POWER IRON RIVER	14.89	13.29	12.49	13.00	12.04	12.87	11.74	11.05	10.25	10.25	10.25	
WISCONSIN ELECTRIC	13.59	11.67	10.71	11.83	10.63	10.46	10.43	9.17	7.50	7.23	7.04	
WISCONSIN PUBLIC SERVICE	12.09	10.29	9.39	11.13	9.37	9.08	9.04	9.02	8.20	7.92	7.31	
COOPERATIVES												
ALGER DELTA	18.89	16.49	15.29	15.19	15.64	15.27	14.14	13.46	12.98			
CHERRYLAND	14.61	12.21	11.01	10.82	9.62	10.73	9.47	8.72	7.52			
CLOVERLAND	14.26	12.46	11.23	11.88	11.08	10.57	9.91	9.52	8.13			
GREAT LAKES	15.56	13.16	11.96	12.43	10.99	11.16	10.26	9.71	6.89			
MIDWEST ENERGY	14.43	12.03	10.83	11.02	9.90	10.21	9.21	8.61	9.44			
ONTONAGON	21.30	18.90	17.70	17.26	15.66	16.04	14.33	13.31	10.66			
PRESQUE ISLE	15.30	12.90	11.70	11.62	10.34	11.82	10.72	10.06	8.66			
THUMB	13.91	12.51	11.81	11.95	11.23	13.10	11.86	11.12	9.07			
TRI COUNTY	15.56	13.16	11.96	13.04	11.44	12.00	10.90	10.24	9.10			
AVERAGE INVESTOR OWNED	11.58	10.55	10.13	11.53	10.61	10.52	9.83	9.22	7.66	7.42	7.26	
AVERAGE COOPERATIVE	15.98	13.76	12.61	12.80	11.77	12.32	11.20	10.53	9.16			
AVERAGE ALL COMPANIES	13.56	12.00	11.24	12.10	11.13	11.33	10.45	9.81	8.34	7.42	7.26	

# COMPARISON OF AVERAGE RATES (IN CENTS PER kWh) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN January 1, 2008

	RES	2 500 1,000		SMALL CON	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	•
kW kWh	<u>250</u>	<u>500</u>	<u>1,000</u>	5 <u>1,000</u>	25 <u>5,000</u>	100 <u>21,600</u>	100 28,800	100 <u>36,000</u>	1,000 <u>432,000</u>	10,000 <u>4,320,000</u>	50,000 <u>21,600,000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER	12.30 10.18 10.62 10.06 7.97 8.03 10.24 17.43 14.89	11.45 10.18 10.62 9.38 6.86 7.11 9.39 15.83 13.29	11.02 10.18 11.31 9.04 6.56 6.66 8.96 15.03 12.49	11.57 12.31 11.58 10.74 10.24 8.16 9.50 16.75 13.00	11.03 11.46 10.83 10.15 8.45 8.05 8.90 15.79 12.04	10.71 11.20 10.70 10.03 8.15 7.70 9.06 15.68 12.87	9.58 9.81 10.69 9.98 7.84 7.22 8.17 13.65 11.74	8.80 8.98 10.37 9.50 7.65 6.75 7.63 12.43 11.05	6.93 7.19 8.09 8.94 5.42 5.01 7.28 9.39 10.25	5.59 7.37 7.68 8.91 5.31 4.75 7.25 9.34 10.25	5.59 7.10 7.43 8.91 5.04 4.56 7.25 9.34 10.25
WISCONSIN ELECTRIC WISCONSIN PUBLIC SERVICE	13.59 12.09	11.67 10.29	10.71 9.39	11.83 11.13	10.63 9.37	10.46 9.08	10.43 9.04	9.17 9.02	7.50 8.20	7.23 7.92	7.04 7.31
COOPERATIVES ALGER DELTA CHERRYLAND CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	18.89 14.61 14.26 15.56 14.43 21.30 15.30 13.91 15.56	16.49 12.21 12.46 13.16 12.03 18.90 12.90 12.51 13.16	15.29 11.01 11.23 11.96 10.83 17.70 11.70 11.81 11.96	15.19 10.82 11.88 12.43 11.02 17.26 11.62 11.95 13.04	15.64 9.62 11.08 10.99 9.90 15.66 10.34 11.23 11.44	15.27 10.73 10.57 11.16 10.21 16.04 11.82 13.10 12.00	14.14 9.47 9.91 10.26 9.21 14.33 10.72 11.86 10.90	13.46 8.72 9.52 9.71 8.61 13.31 10.06 11.12	12.98 7.52 8.13 6.89 9.27 10.66 8.66 9.07 9.10		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	11.58 15.98 13.56	10.55 13.76 11.99	10.12 12.61 11.24	11.53 12.80 12.10	10.61 11.77 11.13	10.51 12.32 11.33	9.83 11.20 10.45	9.21 10.53 9.80	7.66 9.14 8.32	7.42 7.42	7.26 7.26

# COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2007

	th <u>250</u> <u>500</u> <u>1000</u>		<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	1000	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21600000</u>
INVESTOR OWNED											
ALPENA POWER	11.82	10.97	10.55	11.10	10.56	10.23	9.10	8.32	6.18	4.89	4.88
CONSUMERS ENERGY	9.70	9.70	9.70	12.00	11.27	10.99	9.60	8.77	7.03	7.21	6.94
DETROIT EDISON	10.57	10.57	11.26	11.19	10.47	10.34	10.33	10.01	7.73	7.32	7.07
EDISON SAULT ELECTRIC	9.31	8.63	8.29	9.99	9.40	9.29	9.24	8.75	8.19	8.17	8.17
AEP (I&M) ST JOSEPH	7.57	6.46	6.15	9.84	8.04	7.75	7.43	7.24	5.01	4.90	4.63
AEP (I&M) THREE RIVERS	8.26	7.34	6.89	8.39	8.28	7.93	7.45	6.98	5.24	4.98	4.79
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.80	7.45	7.42	7.42
UPPER PENINSULA POWER	16.79	15.19	14.39	16.11	15.15	15.05	13.02	11.80	8.76	8.71	8.70
UPPER PENINSULA POWER IRON RIVER	14.26	12.66	11.86	12.36	11.40	12.24	11.10	10.42	9.62	9.62	9.62
WISCONSIN ELECTRIC	13.62	11.70	10.74	11.86	10.66	10.49	10.46	9.20	7.53	7.26	7.08
WISCONSIN PUBLIC SERVICE	9.54	8.24	7.59	9.11	7.91	7.62	7.59	7.57	6.62	6.36	5.93
COOPERATIVES											
ALGER DELTA	17.75	15.35	14.15	14.05	14.50	14.13	13.00	12.32	11.84		
CHERRYLAND	14.40	12.00	10.80	10.61	9.41	10.52	9.26	8.51	7.31		
CLOVERLAND	12.83	11.03	9.80	10.45	9.65	9.14	8.48	8.09	6.70		
GREAT LAKES	14.96	12.56	11.36	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.77	11.37	10.17	10.37	9.25	9.55	8.55	7.95	8.61		
ONTONAGON	20.93	18.53	17.33	16.89	15.29	15.67	13.96	12.94	10.29		
PRESQUE ISLE	14.50	12.10	10.90	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	13.38	11.98	11.28	11.43	10.71	12.58	11.34	10.60	8.55		
TRI COUNTY	14.73	12.33	11.13	12.21	10.61	11.17	10.07	9.41	8.27		
AVERAGE INVESTOR OWNED	11.08	10.09	9.69	11.06	10.20	10.10	9.42	8.81	7.22	6.99	6.84
AVERAGE COOPERATIVE	15.25	13.03	11.88	12.07	11.04	11.59	10.47	9.80	8.56		
AVERAGE ALL COMPANIES	12.95	11.41	10.67	11.51	10.58	10.77	9.89	9.25	7.82	6.99	6.84

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Corrected CE Residential October 2009

# COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN November 1, 2007

			<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21600000</u>
INVESTOR OWNED											
ALPENA POWER	11.82	10.97	10.55	11.10	10.56	10.23	9.10	8.32	6.18	4.89	4.88
CONSUMERS ENERGY	9.69	9.69	9.69	11.99	11.26	10.98	9.59	8.76	7.02	7.20	6.93
DETROIT EDISON	10.37	10.37	11.06	10.99	10.27	10.14	10.13	9.81	7.53	7.12	6.87
EDISON SAULT ELECTRIC	9.31	8.63	8.29	9.99	9.40	9.29	9.24	8.75	8.19	8.17	8.17
AEP (I&M) ST JOSEPH	7.57	6.46	6.15	9.84	8.04	7.75	7.43	7.24	5.01	4.90	4.63
AEP (I&M) THREE RIVERS	8.26	7.34	6.89	8.39	8.28	7.93	7.45	6.98	5.24	4.98	4.79
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.80	7.45	7.42	7.42
UPPER PENINSULA POWER	16.79	15.19	14.39	16.11	15.15	15.05	13.02	11.80	8.76	8.71	8.70
UPPER PENINSULA POWER IRON RIVER	14.26	12.66	11.86	12.36	11.40	12.24	11.10	10.42	9.62	9.62	9.62
WISCONSIN ELECTRIC	13.62	11.70	10.74	11.86	10.66	10.49	10.46	9.20	7.53	7.26	7.08
WISCONSIN PUBLIC SERVICE	9.46	8.16	7.51	9.03	7.83	7.53	7.50	7.49	6.54	6.28	5.85
COOPERATIVES											
ALGER DELTA	17.75	15.35	14.15	14.05	14.50	14.13	13.00	12.32	11.84		
CHERRYLAND	14.40	12.00	10.80	10.61	9.41	10.52	9.26	8.51	7.31		
CLOVERLAND	12.83	11.03	9.80	10.45	9.65	9.14	8.48	8.09	6.70		
GREAT LAKES	14.96	12.56	11.36	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.77	11.37	10.17	10.37	9.25	9.55	8.55	7.95	8.61		
ONTONAGON	25.27	22.87	21.67	21.23	19.63	20.01	18.30	17.28	14.63		
PRESQUE ISLE	14.50	12.10	10.90	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	13.38	11.98	11.28	11.43	10.71	12.58	11.34	10.60	8.55		
TRI COUNTY	14.73	12.33	11.13	12.21	10.61	11.17	10.07	9.41	8.27		
AVERAGE INVESTOR OWNED	11.05	10.07	9.66	11.03	10.17	10.08	9.40	8.78	7.19	6.96	6.81
AVERAGE COOPERATIVE	15.73	13.51	12.36	12.55	11.52	12.07	10.95	10.28	9.04		
AVERAGE ALL COMPANIES	13.16	11.62	10.88	11.71	10.78	10.98	10.10	9.45	8.02	6.96	6.81

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Corrected CE Residential October 2009

# COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2007

	RES	SIDENTIA	<u>L</u>	SMALL COM	<u>MERCIAL</u>	LARGE	COMMER	CIAL		INDUSTRIAL	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21600000</u>
INVESTOR OWNED											
ALPENA POWER	11.82	10.97	10.55	11.10	10.56	10.23	9.10	8.32	6.18	4.89	4.88
CONSUMERS ENERGY	9.69	9.69	9.69	11.99	11.26	11.07	9.68	8.85	7.11	7.29	7.02
DETROIT EDISON	10.37	10.37	11.06	10.99	10.27	10.14	10.13	9.81	7.53	7.12	6.87
EDISON SAULT ELECTRIC	9.31	8.63	8.29	9.99	9.40	9.29	9.24	8.75	8.19	8.17	8.17
AEP (I&M) ST JOSEPH	7.71	6.60	6.29	9.96	8.20	7.90	7.58	7.39	5.15	5.04	4.78
AEP (I&M) THREE RIVERS	8.40	7.48	7.03	8.51	8.43	8.08	7.61	7.17	5.37	5.12	4.92
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.80	7.45	7.42	7.42
UPPER PENINSULA POWER	16.79	15.19	14.39	16.11	15.15	15.05	13.02	11.80	8.76	8.71	8.70
UPPER PENINSULA POWER IRON RIVER	14.26	12.66	11.86	12.36	11.40	12.24	11.10	10.42	9.62	9.62	9.62
WISCONSIN ELECTRIC	13.73	11.81	10.85	11.97	10.77	10.61	10.58	9.32	7.65	7.38	7.19
WISCONSIN PUBLIC SERVICE	9.46	8.16	7.51	9.03	7.83	7.53	7.50	7.49	6.54	6.28	5.85
COOPERATIVES											
ALGER DELTA	17.75	15.35	14.15	14.05	14.50	14.13	13.00	12.32	11.84		
CHERRYLAND	14.40	12.00	10.80	10.61	9.41	10.52	9.26	8.51	7.31		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.96	12.56	11.36	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.77	11.37	10.17	10.37	9.25	9.55	8.55	7.95	8.61		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.50	12.10	10.90	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	13.38	11.98	11.28	11.43	10.71	12.58	11.34	10.60	8.55		
TRI COUNTY	14.73	12.33	11.13	12.21	10.61	11.17	10.07	9.41	8.27		
AVERAGE INVESTOR OWNED	11.09	10.10	9.70	11.06	10.21	10.12	9.44	8.83	7.23	7.00	6.86
AVERAGE COOPERATIVE	15.00	12.88	11.79	12.05	11.12	11.60	10.57	9.96	8.77		
AVERAGE ALL COMPANIES	12.85	11.35	10.64	11.51	10.62	10.79	9.95	9.34	7.93	7.00	6.86

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Corrected CE Residential October 2009

# COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2007

	RESIDENTIAL           0         250         500         1000		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	28800	<u>36000</u>	432000	<u>4320000</u>	<u>21600000</u>
INVESTOR OWNED											
ALPENA POWER	11.82	10.97	10.55	11.10	10.56	10.23	9.10	8.32	6.18	4.89	4.88
CONSUMERS ENERGY	9.69	9.69	10.50	11.99	11.26	11.07	9.68	8.85	7.11	7.29	7.02
DETROIT EDISON	10.37	10.37	11.06	10.99	10.27	10.14	10.13	9.81	7.53	7.12	6.87
EDISON SAULT ELECTRIC	9.31	8.63	8.29	9.99	9.40	9.29	9.24	8.75	8.19	8.17	8.17
AEP (I&M) ST JOSEPH	7.71	6.60	6.29	9.96	8.20	7.90	7.58	7.39	5.15	5.04	4.78
AEP (I&M) THREE RIVERS	8.40	7.48	7.03	8.51	8.43	8.08	7.61	7.17	5.37	5.12	4.92
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.80	7.45	7.42	7.42
UPPER PENINSULA POWER	16.79	15.19	14.39	16.11	15.15	15.05	13.02	11.80	8.76	8.71	8.70
UPPER PENINSULA POWER IRON RIVER	14.26	12.66	11.86	12.36	11.40	12.24	11.10	10.42	9.62	9.62	9.62
WISCONSIN ELECTRIC	13.62	11.70	10.74	11.86	10.66	10.49	10.46	9.20	7.53	7.26	7.08
WISCONSIN PUBLIC SERVICE	9.46	8.16	7.51	9.03	7.83	7.53	7.50	7.49	6.54	6.28	5.85
COOPERATIVES											
ALGER DELTA	17.75	15.35	14.15	14.05	14.50	14.13	13.00	12.32	11.84		
CHERRYLAND	14.40	12.00	10.80	10.61	9.41	10.52	9.26	8.51	7.31		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.96	12.56	11.36	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.77	11.37	10.17	10.37	9.25	9.55	8.55	7.95	8.61		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.50	12.10	10.90	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	13.00	11.60	10.90	11.04	10.32	12.20	10.96	10.22	8.17		
TRI COUNTY	14.73	12.33	11.13	12.21	10.61	11.17	10.07	9.41	8.27		
AVERAGE INVESTOR OWNED	11.08	10.09	9.76	11.05	10.20	10.11	9.43	8.82	7.22	6.99	6.85
AVERAGE COOPERATIVE	14.95	12.84	11.75	12.01	11.08	11.56	10.53	9.91	8.73		
AVERAGE ALL COMPANIES	12.82	11.33	10.65	11.48	10.60	10.76	9.93	9.31	7.90	6.99	6.85

	h <u>250</u> <u>500</u> <u>1000</u>		<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21600000</u>
INVESTOR OWNED											
ALPENA POWER	11.82	10.97	10.55	11.10	10.56	10.23	9.10	8.32	6.18	4.89	4.88
CONSUMERS ENERGY	9.69	9.69	10.50	11.99	11.26	11.07	9.68	8.85	7.11	7.29	7.02
DETROIT EDISON	10.37	10.37	11.06	10.99	10.27	10.14	10.13	9.81	7.53	7.12	6.87
EDISON SAULT ELECTRIC	9.23	8.55	8.21	9.91	9.32	9.20	9.15	8.67	8.10	8.08	8.08
AEP (I&M) ST JOSEPH	7.71	6.60	6.30	9.97	8.20	7.90	7.59	7.40	5.15	5.04	4.78
AEP (I&M) THREE RIVERS	8.40	7.49	7.03	8.52	8.44	8.08	7.61	7.17	5.37	5.12	4.92
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.80	7.45	7.42	7.42
UPPER PENINSULA POWER	16.79	15.19	14.39	16.11	15.15	15.05	13.02	11.80	8.76	8.71	8.70
UPPER PENINSULA POWER IRON RIVER	14.26	12.66	11.86	12.36	11.40	12.24	11.10	10.42	9.62	9.62	9.62
WISCONSIN ELECTRIC	13.62	11.70	10.74	11.86	10.66	10.49	10.46	9.20	7.53	7.26	7.08
WISCONSIN PUBLIC SERVICE	9.46	8.16	7.51	9.03	7.83	7.53	7.50	7.49	6.54	6.28	5.85
COOPERATIVES											
ALGER DELTA	17.75	15.35	14.15	14.05	14.50	14.13	13.00	12.32	11.84		
CHERRYLAND	14.40	12.00	10.80	10.61	9.41	10.52	9.26	8.51	7.31		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.96	12.56	11.36	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.77	11.37	10.17	10.37	9.25	9.55	8.55	7.95	8.61		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.50	12.10	10.90	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	13.38	11.98	11.28	11.43	10.71	12.58	11.34	10.60	8.55		
TRI COUNTY	14.73	12.33	11.13	12.21	10.61	11.17	10.07	9.41	8.27		
AVERAGE INVESTOR OWNED	11.07	10.08	9.75	11.04	10.20	10.11	9.43	8.81	7.21	6.98	6.84
AVERAGE COOPERATIVE	15.00	12.88	11.79	12.05	11.12	11.60	10.57	9.96	8.77	2.20	3.31
AVERAGE ALL COMPANIES	12.84	11.34	10.67	11.50	10.61	10.78	9.94	9.33	7.92	6.98	6.84

	RESIDENTIAL           1         250         500         1000		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	28800	<u>36000</u>	432000	<u>4320000</u>	<u>21600000</u>
INVESTOR OWNED											
ALPENA POWER	11.82	10.97	10.55	11.10	10.56	10.23	9.10	8.32	6.18	4.89	4.88
CONSUMERS ENERGY	9.69	9.69	10.50	11.99	11.26	11.07	9.68	8.85	7.11	7.29	7.02
DETROIT EDISON	10.37	10.37	11.06	10.68	9.97	9.83	9.82	9.51	7.84	7.42	7.17
EDISON SAULT ELECTRIC	9.23	8.55	8.21	9.91	9.32	9.20	9.15	8.67	8.10	8.08	8.08
AEP (I&M) ST JOSEPH	7.71	6.60	6.30	9.97	8.20	7.90	7.59	7.40	5.15	5.04	4.78
AEP (I&M) THREE RIVERS	8.40	7.49	7.03	8.52	8.44	8.08	7.61	7.17	5.37	5.12	4.92
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.80	7.45	7.42	7.42
UPPER PENINSULA POWER	16.00	14.40	13.60	15.32	14.36	14.25	12.22	11.00	7.97	7.91	7.91
UPPER PENINSULA POWER IRON RIVER	13.38	11.78	10.98	11.49	10.53	11.36	10.23	9.55	8.75	8.75	8.75
WISCONSIN ELECTRIC	13.62	11.70	10.74	11.86	10.66	10.49	10.46	9.20	7.53	7.26	7.08
WISCONSIN PUBLIC SERVICE	9.46	8.16	7.51	9.03	7.83	7.53	7.50	7.49	6.54	6.28	5.85
COOPERATIVES											
ALGER DELTA	17.75	15.35	14.15	14.05	14.50	14.13	13.00	12.32	11.84		
CHERRYLAND	14.40	12.00	10.80	10.61	9.41	10.52	9.26	8.51	7.31		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.96	12.56	11.36	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.77	11.37	10.17	10.01	8.89	9.20	8.20	7.60	8.43		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.50	12.10	10.90	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	13.00	11.60	10.90	9.82	9.16	10.71	9.48	8.73	6.98		
TRI COUNTY	15.13	12.73	11.53	12.23	10.63	11.32	10.23	9.57	8.47		
AVERAGE INVESTOR OWNED	10.92	9.93	9.60	10.87	10.02	9.93	9.25	8.63	7.09	6.86	6.71
AVERAGE COOPERATIVE	15.00	12.89	11.79	11.84	10.92	11.37	10.34	9.73	8.60		
AVERAGE ALL COMPANIES	12.75	11.26	10.59	11.30	10.42	10.58	9.74	9.13	7.77	6.86	6.71

			<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1000</u>	5 <u>1000</u>	25 <u>5000</u>	100 <u>21600</u>	100 <u>28800</u>	100 <u>36000</u>	1000 <u>432000</u>	10000 <u>4320000</u>	50000 <u>21600000</u>
INVESTOR OWNED											
ALPENA POWER	10.97	10.17	9.77	10.42	9.88	9.67	8.60	7.85	5.89	4.87	4.86
CONSUMERS ENERGY	9.69	9.69	10.50	11.99	11.26	11.07	9.68	8.85	7.11	7.29	7.02
DETROIT EDISON	10.48	10.48	11.17	11.19	10.47	10.34	10.33	10.01	7.73	7.32	7.07
EDISON SAULT ELECTRIC	9.23	8.55	8.21	9.91	9.32	9.20	9.15	8.67	8.10	8.08	8.08
AEP (I&M) ST JOSEPH	7.71	6.60	6.30	9.97	8.20	7.90	7.59	7.40	5.15	5.04	4.78
AEP (I&M) THREE RIVERS	8.40	7.49	7.03	8.52	8.44	8.08	7.61	7.17	5.37	5.12	4.92
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.80	7.45	7.42	7.42
UPPER PENINSULA POWER	16.00	14.40	13.60	15.32	14.36	14.25	12.22	11.00	7.97	7.91	7.91
UPPER PENINSULA POWER IRON RIVER	13.38	11.78	10.98	11.49	10.53	11.36	10.23	9.55	8.75	8.75	8.75
WISCONSIN ELECTRIC	13.62	11.70	10.74	11.86	10.66	10.49	10.46	9.20	7.53	7.26	7.08
WISCONSIN PUBLIC SERVICE	9.46	8.16	7.51	9.03	7.83	7.53	7.50	7.49	6.54	6.28	5.85
COOPERATIVES											
ALGER DELTA	17.75	15.35	14.15	14.05	14.50	14.13	13.00	12.32	11.84		
CHERRYLAND	14.40	12.00	10.80	10.61	9.41	10.52	9.26	8.51	7.31		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.57	12.17	10.97	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.42	11.02	9.82	10.01	8.89	9.20	8.20	7.60	8.43		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.24	11.84	10.64	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	12.38	11.13	10.51	11.02	10.36	11.91	10.67	9.93	8.17		
TRI COUNTY	14.76	12.36	11.16	12.23	10.63	11.32	10.23	9.57	8.47		
AVERAGE INVESTOR OWNED	10.85	9.87	9.54	10.85	10.00	9.92	9.25	8.64	7.05	6.85	6.70
AVERAGE COOPERATIVE	14.78	12.68	11.60	11.97	11.05	11.50	10.48	9.86	8.73		
AVERAGE ALL COMPANIES	12.62	11.14	10.47	11.35	10.47	10.63	9.80	9.19	7.81	6.85	6.70

	RESIDENTIAL  1 250 500 1000		SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW kWh	<u>250</u>	<u>500</u>	<u>1000</u>	5 <u>1000</u>	25 <u>5000</u>	100 <u>21600</u>	100 28800	100 <u>36000</u>	1000 <u>432000</u>	10000 <u>4320000</u>	50000 <u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	10.97	10.17	9.77	10.42	9.88	9.67	8.60	7.85	5.89	4.87	4.86
CONSUMERS ENERGY	10.13	10.13	10.13	12.43	11.70	11.51	10.12	9.29	7.55	7.73	7.46
DETROIT EDISON EDISON SAULT ELECTRIC	10.48 9.23	10.48 8.55	11.17 8.21	11.19 9.91	10.47 9.32	10.34 9.20	10.33 9.15	10.01	7.73 8.10	7.32	7.07
AEP (I&M) ST JOSEPH	9.23 7.71	8.55 6.60	6.30	9.97	9.32 8.20	9.20 7.90	9.15 7.59	8.67 7.40	5.14	8.08 5.03	8.08 4.79
AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS	8.40	6.60 7.49	7.03	9.97 8.52	8.20 8.44	7.90 8.08	7.59 7.61	7.40 7.17	5.14 5.37	5.03 5.11	4.79 4.92
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.17	7.45	7.42	7.42
UPPER PENINSULA POWER	16.00	14.40	13.60	15.32	14.36	14.25	12.22	11.00	7.97	7.91	7.92
UPPER PENINSULA POWER IRON RIVER	13.38	11.78	10.98	11.49	10.53	11.36	10.23	9.55	8.75	8.75	8.75
WISCONSIN ELECTRIC	13.50	11.58	10.62	11.72	10.52	10.35	10.32	8.86	7.47	7.21	7.07
WISCONSIN PUBLIC SERVICE	9.46	8.16	7.51	9.03	7.83	7.53	7.50	7.49	6.54	6.28	5.85
COOPERATIVES											
ALGER DELTA	17.75	15.35	14.15	14.05	14.50	14.13	13.00	12.32	11.84		
CHERRYLAND	14.40	12.00	10.80	10.61	9.41	10.52	9.26	8.51	7.31		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.57	12.17	10.97	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.42	11.02	9.82	10.01	8.89	9.20	8.20	7.60	8.43		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.24	11.84	10.64	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	12.38	11.13	10.51	11.02	10.36	11.91	10.67	9.93	8.17		
TRI COUNTY	14.76	12.36	11.16	12.23	10.63	11.32	10.23	9.57	8.47		
AVERAGE INVESTOR OWNED	10.88	9.90	9.50	10.88	10.03	9.95	9.27	8.64	7.09	6.88	6.74
AVERAGE COOPERATIVE	14.78	12.68	11.60	11.97	11.05	11.50	10.48	9.86	8.73		
AVERAGE ALL COMPANIES	12.63	11.15	10.44	11.37	10.49	10.65	9.81	9.19	7.83	6.88	6.74

	<b>RESIDENTIAL</b> 250 500 1000		SMALL COMMERCIAL		LARGE COMMERCIAL			<u>INDUSTRIAL</u>			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	21500000
INVESTOR OWNED											
ALPENA POWER	10.97	10.17	9.77	10.42	9.88	9.67	8.60	7.85	5.89	4.87	4.86
CONSUMERS ENERGY	10.14	10.14	10.14	12.45	11.72	11.53	10.14	9.30	7.56	7.74	7.47
DETROIT EDISON	10.48	10.48	11.17	11.18	10.46	10.33	10.32	10.01	7.72	7.31	7.06
EDISON SAULT ELECTRIC	8.72	8.04	7.70	9.40	8.81	8.70	8.65	8.16	7.60	7.58	7.58
AEP (I&M) ST JOSEPH	7.73	6.62	6.31	9.99	8.21	7.91	7.59	7.40	5.15	5.04	4.79
AEP (I&M) THREE RIVERS	8.42	7.50	7.05	8.54	8.44	8.09	7.62	7.14	5.37	5.12	4.92
NORTHERN STATES POWER	10.41	9.56	9.13	9.67	9.07	9.24	8.34	7.80	7.45	7.42	7.42
UPPER PENINSULA POWER	16.79	15.19	14.39	16.11	15.15	15.05	13.02	11.80	8.76	8.71	8.71
UPPER PENINSULA POWER IRON RIVER	13.32	11.72	10.92	11.43	10.47	11.30	10.17	9.49	8.69	8.69	8.69
WISCONSIN ELECTRIC	13.50	11.58	10.62	11.72	10.52	10.35	10.32	8.86	7.47	7.21	7.07
WISCONSIN PUBLIC SERVICE	9.86	8.56	7.91	9.42	8.22	7.93	7.90	7.89	6.94	6.68	6.25
COOPERATIVES											
ALGER DELTA	17.92	15.52	14.32	14.22	14.67	14.30	13.17	12.49	12.01		
CHERRYLAND	14.30	11.90	10.70	10.50	9.30	10.41	9.16	8.40	7.21		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.57	12.17	10.97	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.42	11.02	9.82	10.01	8.89	9.20	8.20	7.60	8.43		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.24	11.84	10.64	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	12.38	11.13	10.51	11.02	10.36	11.91	10.67	9.93	8.17		
TRI COUNTY	14.76	12.36	11.16	12.23	10.63	11.32	10.23	9.57	8.47		
AVERAGE INVESTOR OWNED	10.94	9.96	9.56	10.94	10.09	10.01	9.33	8.70	7.14	6.94	6.80
AVERAGE COOPERATIVE	14.78	12.69	11.61	11.98	11.06	11.51	10.48	9.87	8.74		
AVERAGE ALL COMPANIES	12.67	11.19	10.48	11.41	10.52	10.68	9.85	9.22	7.86	6.94	6.80

	RES	<u>SIDENTIA</u>	<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	10.97	10.17	9.77	10.42	9.88	9.67	8.60	7.85	5.89	4.87	4.86
CONSUMERS ENERGY	10.14	10.14	10.14	12.45	11.72	11.53	10.14	9.30	7.56	7.74	7.47
DETROIT EDISON	10.48	10.48	11.17	11.18	10.46	10.33	10.32	10.01	7.72	7.31	7.06
EDISON SAULT ELECTRIC	8.72	8.04	7.70	9.40	8.81	8.70	8.65	8.16	7.60	7.58	7.58
AEP (I&M) ST JOSEPH	7.72	6.61	6.30	9.97	8.22	7.92	7.60	7.41	5.15	5.04	4.79
AEP (I&M) THREE RIVERS	8.41	7.50	7.04	8.52	8.45	8.10	7.63	7.16	5.38	5.12	4.84
NORTHERN STATES POWER	10.63	9.78	9.35	9.89	9.29	9.45	8.56	8.02	7.67	7.64	7.64
UPPER PENINSULA POWER	16.79	15.19	14.39	16.11	15.15	15.05	13.02	11.80	8.76	8.70	8.71
UPPER PENINSULA POWER IRON RIVER	13.32	11.72	10.92	11.43	10.47	11.30	10.17	9.49	8.69	8.69	8.69
WISCONSIN ELECTRIC	13.50	11.58	10.62	11.72	10.52	10.35	10.32	8.86	7.47	7.21	7.07
WISCONSIN PUBLIC SERVICE	10.59	9.29	8.64	10.16	8.96	8.67	8.64	8.62	7.67	7.42	6.98
COOPERATIVES											
ALGER DELTA	17.92	15.52	14.32	14.22	14.67	14.30	13.17	12.49	12.01		
CHERRYLAND	14.30	11.90	10.70	10.50	9.30	10.41	9.16	8.40	7.21		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.57	12.17	10.97	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.42	11.02	9.82	10.01	8.89	9.20	8.20	7.60	8.43		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.24	11.84	10.64	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	12.10	10.85	10.23	10.74	10.08	11.63	10.39	9.65	7.89		
TRI COUNTY	14.76	12.36	11.16	12.23	10.63	11.32	10.23	9.57	8.47		
AVERAGE INVESTOR OWNED	11.02	10.05	9.64	11.02	10.18	10.10	9.42	8.79	7.23	7.03	6.88
AVERAGE COOPERATIVE	14.75	12.66	11.57	11.94	11.02	11.48	10.45	9.84	8.71		
AVERAGE ALL COMPANIES	12.70	11.22	10.51	11.44	10.56	10.72	9.88	9.26	7.90	7.03	6.88

#### COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN February 1, 2007

	RES	SIDENTIA	<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMER	CIAL		INDUSTRIAL	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	11.45	10.15	9.75	10.40	9.86	9.65	8.58	7.84	5.87	4.86	4.85
CONSUMERS ENERGY	10.14	10.14	10.14	12.45	11.72	11.53	10.14	9.30	7.56	7.74	7.47
DETROIT EDISON	10.50	10.50	11.19	11.21	10.49	10.36	10.35	10.03	7.75	7.34	7.09
EDISON SAULT ELECTRIC	8.72	8.04	7.70	9.40	8.81	8.70	8.65	8.16	7.60	7.58	7.58
AEP (I&M) ST JOSEPH	7.72	6.61	6.30	9.97	8.22	7.92	7.60	7.41	5.15	5.04	4.79
AEP (I&M) THREE RIVERS	8.41	7.50	7.04	8.52	8.45	8.10	7.63	7.16	5.38	5.12	4.84
NORTHERN STATES POWER	10.63	9.78	9.35	9.89	9.29	9.45	8.56	8.02	7.67	7.64	7.64
UPPER PENINSULA POWER	17.07	15.47	14.67	16.39	15.43	15.32	13.29	12.07	9.03	8.98	8.98
UPPER PENINSULA POWER IRON RIVER	13.60	12.00	11.20	11.71	10.75	11.58	10.44	9.76	8.96	8.96	8.96
WISCONSIN ELECTRIC	13.50	11.58	10.62	11.72	10.52	10.35	10.32	8.86	7.47	7.21	7.07
WISCONSIN PUBLIC SERVICE	10.59	9.29	8.64	10.16	8.96	8.67	8.64	8.62	7.67	7.42	6.98
COOPERATIVES											
ALGER DELTA	17.92	15.52	14.32	14.22	14.67	14.30	13.17	12.49	12.01		
CHERRYLAND	14.30	11.90	10.70	10.50	9.30	10.41	9.16	8.40	7.21		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.57	12.17	10.97	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.42	11.02	9.82	10.01	8.89	9.20	8.20	7.60	8.43		
ONTONAGON	18.82	17.42	16.72	16.89	16.26	15.93	15.06	14.54	12.39		
PRESQUE ISLE	14.24	11.84	10.64	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	12.10	10.85	10.23	10.74	10.08	11.63	10.39	9.64	7.89		
TRI COUNTY	14.76	12.36	11.16	12.23	10.63	11.32	10.23	9.57	8.47		
AVERAGE INVESTOR OWNED	11.12	10.10	9.69	11.07	10.23	10.15	9.47	8.84	7.28	7.08	6.93
AVERAGE COOPERATIVE	14.75	12.66	11.57	11.94	11.02	11.48	10.45	9.84	8.71		
AVERAGE ALL COMPANIES	12.76	11.25	10.54	11.47	10.59	10.75	9.91	9.29	7.93	7.08	6.93

	RESIDENTIAL		SMALL COMMERCIAL		LARGE COMMERCIAL		<u>INDUSTRIAL</u>				
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	432000	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	11.45	10.15	9.75	10.40	9.86	9.65	8.58	7.84	5.87	4.86	4.85
CONSUMERS ENERGY	10.14	10.14	10.14	12.45	11.72	11.53	10.14	9.30	7.56	7.74	7.47
DETROIT EDISON	10.50	10.50	11.19	11.21	10.49	10.36	10.35	10.03	7.75	7.34	7.09
EDISON SAULT ELECTRIC	8.72	8.04	7.70	9.40	8.81	8.70	8.65	8.16	7.60	7.58	7.58
AEP (I&M) ST JOSEPH	7.72	6.61	6.30	9.97	8.22	7.92	7.60	7.41	5.15	5.04	4.79
AEP (I&M) THREE RIVERS	8.41	7.50	7.04	8.52	8.45	8.10	7.63	7.16	5.38	5.12	4.84
NORTHERN STATES POWER	10.63	9.78	9.35	9.89	9.29	9.45	8.56	8.02	7.67	7.64	7.64
UPPER PENINSULA POWER	16.15	14.55	13.75	15.47	14.51	14.41	12.38	11.16	8.12	8.06	8.07
UPPER PENINSULA POWER IRON RIVER	14.07	12.47	11.67	12.18	11.22	12.05	10.92	10.24	9.43	9.43	9.43
WISCONSIN ELECTRIC	13.50	11.58	10.62	11.72	10.52	10.35	10.32	8.86	7.47	7.21	7.07
WISCONSIN PUBLIC SERVICE	10.59	9.29	8.64	10.16	8.96	8.67	8.64	8.62	7.67	7.42	6.98
COOPERATIVES											
ALGER DELTA	17.92	15.52	14.32	14.22	14.67	14.30	13.17	12.49	12.01		
CHERRYLAND	14.30	11.90	10.70	10.50	9.30	10.41	9.16	8.40	7.21		
CLOVERLAND	12.66	10.86	9.62	10.28	9.48	8.97	8.31	7.91	6.52		
GREAT LAKES	14.57	12.17	10.97	11.82	10.38	10.55	9.65	9.11	6.28		
MIDWEST ENERGY	13.42	11.02	9.82	10.01	8.89	9.20	8.20	7.60	8.43		
ONTONAGON	18.46	17.06	16.36	16.53	15.90	15.57	14.70	14.18	12.03		
PRESQUE ISLE	14.24	11.84	10.64	10.82	9.54	11.01	9.91	9.25	9.19		
THUMB	12.48	11.23	10.61	11.12	10.46	12.01	10.77	10.03	8.27		
TRI COUNTY	14.76	12.36	11.16	12.23	10.63	11.32	10.23	9.57	8.47		
AVERAGE INVESTOR OWNED	11.08	10.06	9.65	11.03	10.19	10.11	9.43	8.80	7.24	7.04	6.89
AVERAGE COOPERATIVE	14.76	12.66	11.58	11.95	11.03	11.48	10.45	9.84	8.71		
AVERAGE ALL COMPANIES	12.73	11.23	10.52	11.44	10.56	10.73	9.89	9.27	7.90	7.04	6.89

#### COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN December 1, 2006

	RESIDENTIAL           250         500         1000		<u>L</u>	SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000	
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21500000</u>	
INVESTOR OWNED												
ALPENA POWER	10.91	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30	
CONSUMERS ENERGY	9.64	9.64	9.64	11.82	11.11	10.92	9.53	8.70	6.96	7.14	6.87	
DETROIT EDISON	10.21	10.21	10.90	10.97	10.25	10.12	10.11	9.78	7.49	7.08	6.83	
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06	
AEP (I&M) ST JOSEPH	7.42	6.31	6.00	9.68	7.92	7.62	7.30	7.12	4.85	4.74	4.49	
AEP (I&M) THREE RIVERS	8.00	7.09	6.63	8.11	8.04	7.69	7.22	6.75	4.97	4.71	4.44	
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30	
UPPER PENINSULA POWER	16.39	14.79	13.99	15.71	14.75	14.65	12.62	11.40	8.36	8.30	8.31	
UPPER PENINSULA POWER IRON RIVER	12.54	10.94	10.14	10.65	9.69	10.52	9.38	8.70	7.90	7.90	7.90	
WISCONSIN ELECTRIC	14.28	12.36	11.40	12.50	11.30	11.14	11.10	9.65	8.25	7.99	7.85	
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91	
COOPERATIVES												
ALGER DELTA	17.12	14.72	13.52	13.42	13.87	13.51	12.37	11.69	11.21			
CHERRYLAND	14.38	11.98	10.78	10.59	9.39	10.50	9.24	8.49	7.29			
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72			
GREAT LAKES	14.39	11.99	10.79	11.64	10.20	10.37	9.47	8.93	6.10			
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18			
ONTONAGON	17.98	16.58	15.88	16.05	15.42	15.09	14.22	13.70	11.55			
PRESQUE ISLE	14.29	11.89	10.69	10.87	9.59	11.06	9.96	9.30	9.24			
THUMB	11.98	10.73	10.10	10.61	9.95	11.50	10.26	9.52	7.76			
TRI COUNTY	14.96	12.56	11.36	12.43	10.83	11.52	10.43	9.77	8.67			
AVERAGE INVESTOR OWNED	10.67	9.65	9.24	10.62	9.77	9.70	9.02	8.39	6.83	6.63	6.48	
AVERAGE COOPERATIVE	14.46	12.36	11.28	11.65	10.73	11.18	10.16	9.54	8.41			
AVERAGE ALL COMPANIES	12.38	10.87	10.16	11.08	10.20	10.36	9.53	8.91	7.54	6.63	6.48	

	RESIDENTIAL 250 500 1000		<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMERC	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1000</u>	5 <u>1000</u>	25 5000	100 <u>21600</u>	100 28800	100 <u>36000</u>	1000 <u>432000</u>	10000 <u>4320000</u>	50000 <u>21500000</u>
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	10.91 9.64 10.21 8.21 7.25 8.44 10.29 15.08 10.96 14.28	9.61 9.64 10.21 7.53 6.14 7.52 9.44 13.48 9.36 12.36	9.21 9.64 10.90 7.19 5.84 7.07 9.01 12.68 8.56 11.40	9.86 11.82 10.97 8.89 9.51 8.55 9.55 14.40 9.07 12.50	9.32 11.11 10.25 8.29 7.75 8.48 8.95 13.44 8.11 11.30	9.11 10.93 10.12 8.18 7.45 8.13 9.11 13.33 8.94 11.14	8.04 9.53 10.11 8.13 7.14 7.66 8.22 11.30 7.81 11.10	7.30 8.70 9.78 7.65 6.95 7.18 7.68 10.08 7.13 9.65	5.33 6.96 7.49 7.08 4.69 5.40 7.33 7.04 6.32 8.25	4.31 7.14 7.08 7.06 4.58 5.15 7.30 6.98 6.32 7.99	4.30 6.87 6.83 7.06 4.49 4.87 7.30 6.99 6.32 7.85
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES ALGER DELTA CHERRYLAND CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	17.12 14.38 11.85 14.39 13.16 17.98 14.29 11.98 14.96	14.72 11.98 10.05 11.99 10.76 16.58 11.89 10.73 12.56	13.52 10.78 8.82 10.79 9.56 15.88 10.69 10.10 11.36	13.42 10.59 9.47 11.64 9.76 16.05 10.87 10.61 12.43	13.87 9.39 8.67 10.20 8.64 15.42 9.59 9.95 10.83	13.51 10.50 8.16 10.37 8.94 15.09 11.06 11.50	12.37 9.24 7.50 9.47 7.94 14.22 9.96 10.26 10.43	11.69 8.49 7.11 8.93 7.35 13.70 9.30 9.52 9.77	11.21 7.29 5.72 6.10 8.18 11.55 9.24 7.76 8.67		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	10.43 14.46 12.24	9.41 12.36 10.74	9.01 11.28 10.03	10.38 11.65 10.95	9.54 10.73 10.07	9.46 11.18 10.23	8.78 10.16 9.40	8.15 9.54 8.77	6.59 8.41 7.41	6.39 6.39	6.25 6.25

	<u>RESIDENTIAL</u> 250 500 1000		<u>L</u>	SMALL COM	MERCIAL	LARGE	COMMERC	CIAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1000</u>	5 <u>1000</u>	25 5000	100 <u>21600</u>	100 28800	100 <u>36000</u>	1000 <u>432000</u>	10000 <u>4320000</u>	50000 21500000
INVESTOR OWNED ALPENA POWER CONSUMERS ENERGY DETROIT EDISON EDISON SAULT ELECTRIC AEP (I&M) ST JOSEPH AEP (I&M) THREE RIVERS NORTHERN STATES POWER UPPER PENINSULA POWER UPPER PENINSULA POWER IRON RIVER WISCONSIN ELECTRIC	10.91 9.64 10.21 8.21 7.25 8.44 10.29 15.08 10.96 14.28	9.61 9.64 10.21 7.53 6.14 7.52 9.44 13.48 9.36 12.36	9.21 9.64 10.90 7.19 5.84 7.07 9.01 12.68 8.56 11.40	9.86 11.82 10.97 8.89 9.51 8.55 9.55 14.40 9.07 12.50	9.32 11.11 10.25 8.29 7.75 8.48 8.95 13.44 8.11 11.30	9.11 10.93 10.12 8.18 7.45 8.13 9.11 13.33 8.94 11.14	8.04 9.53 10.11 8.13 7.14 7.66 8.22 11.30 7.81 11.10	7.30 8.70 9.78 7.65 6.95 7.18 7.68 10.08 7.13 9.65	5.33 6.96 7.49 7.08 4.69 5.40 7.33 7.04 6.32 8.25	4.31 7.14 7.08 7.06 4.58 5.15 7.30 6.98 6.32 7.99	4.30 6.87 6.83 7.06 4.49 4.87 7.30 6.99 6.32 7.85
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES ALGER DELTA CHERRYLAND CLOVERLAND GREAT LAKES MIDWEST ENERGY ONTONAGON PRESQUE ISLE THUMB TRI COUNTY	17.12 14.38 11.85 14.39 13.16 17.98 14.29 11.98 14.96	14.72 11.98 10.05 11.99 10.76 16.58 11.89 10.73 12.56	13.52 10.78 8.82 10.79 9.56 15.88 10.69 10.10 11.36	13.42 10.59 9.47 11.64 9.76 16.05 10.87 10.61 12.43	13.87 9.39 8.67 10.20 8.64 15.42 9.59 9.95 10.83	13.51 10.50 8.16 10.37 8.94 15.09 11.06 11.50	12.37 9.24 7.50 9.47 7.94 14.22 9.96 10.26 10.43	11.69 8.49 7.11 8.93 7.35 13.70 9.30 9.52 9.77	11.21 7.29 5.72 6.10 8.18 11.55 9.24 7.76 8.67		
AVERAGE INVESTOR OWNED AVERAGE COOPERATIVE AVERAGE ALL COMPANIES	10.43 14.46 12.24	9.41 12.36 10.74	9.01 11.28 10.03	10.38 11.65 10.95	9.54 10.73 10.07	9.46 11.18 10.23	8.78 10.16 9.40	8.15 9.54 8.77	6.59 8.41 7.41	6.39 6.39	6.25 6.25

#### COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN October 1, 2006

	RESIDENTIAL		SMALL COM	MERCIAL	IAL LARGE COM		CIAL		INDUSTRIAL		
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	10.91	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	9.64	9.64	10.46	11.82	11.11	10.93	9.53	8.70	6.96	7.14	6.87
DETROIT EDISON	10.21	10.21	10.90	10.97	10.25	10.12	10.11	9.78	7.49	7.08	6.83
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.25	6.14	5.84	9.51	7.75	7.45	7.14	6.95	4.69	4.58	4.49
AEP (I&M) THREE RIVERS	8.44	7.52	7.07	8.55	8.48	8.13	7.66	7.18	5.40	5.15	4.87
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	16.23	14.63	13.83	15.55	14.59	14.49	12.46	11.24	8.20	8.14	8.15
UPPER PENINSULA POWER IRON RIVER	8.66	7.06	6.26	6.77	5.81	6.64	5.51	4.83	4.03	4.03	4.03
WISCONSIN ELECTRIC	12.75	10.83	9.87	10.97	9.77	9.61	9.58	8.12	6.72	6.46	6.32
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES											
ALGER DELTA	17.12	14.72	13.52	13.42	13.87	13.51	12.37	11.69	11.21		
CHERRYLAND	14.38	11.98	10.78	10.59	9.39	10.50	9.24	8.49	7.29		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	15.44	13.04	11.84	12.69	11.25	11.42	10.52	9.97	7.15		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	17.98	16.58	15.88	16.05	15.42	15.09	14.22	13.70	11.55		
PRESQUE ISLE	14.29	11.89	10.69	10.87	9.59	11.06	9.96	9.30	9.24		
THUMB	11.98	10.73	10.10	10.61	9.95	11.50	10.26	9.52	7.76		
TRI COUNTY	14.96	12.56	11.36	12.43	10.83	11.52	10.43	9.77	8.67		
AVERAGE INVESTOR OWNED	10.19	9.17	8.84	10.14	9.29	9.21	8.54	7.91	6.35	6.14	6.01
AVERAGE COOPERATIVE	14.57	12.48	11.39	11.76	10.84	11.30	10.27	9.66	8.53		
AVERAGE ALL COMPANIES	12.16	10.66	9.99	10.87	9.99	10.15	9.32	8.69	7.33	6.14	6.01

#### COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN September 1, 2006

	RESIDENTIAL		SMALL COMMERCIAL					INDUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	10.91	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	9.64	9.64	10.46	11.82	11.11	10.93	9.53	8.70	6.96	7.14	6.87
DETROIT EDISON	10.46	10.46	11.15	11.22	10.50	10.37	10.36	10.04	7.75	7.33	7.08
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.25	6.14	5.84	9.51	7.75	7.45	7.14	6.95	4.69	4.58	4.49
AEP (I&M) THREE RIVERS	8.44	7.52	7.07	8.55	8.48	8.13	7.66	7.18	5.40	5.15	4.87
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	16.39	14.79	13.99	15.71	14.75	14.65	12.62	11.40	8.36	8.30	8.31
UPPER PENINSULA POWER IRON RIVER	12.54	10.94	10.14	10.65	9.69	10.52	9.38	8.70	7.90	7.90	7.90
WISCONSIN ELECTRIC	12.75	10.83	9.87	10.97	9.77	9.61	9.58	8.12	6.72	6.46	6.32
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES											
ALGER DELTA	17.12	14.72	13.52	13.42	13.87	13.51	12.37	11.69	11.21		
CHERRYLAND	14.38	11.98	10.78	10.59	9.39	10.50	9.24	8.49	7.29		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	13.64	11.64	10.64	11.84	10.64	10.55	9.69	9.16	6.31		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	17.98	16.58	15.88	16.05	15.42	15.09	14.22	13.70	11.55		
PRESQUE ISLE	14.29	11.89	10.69	10.87	9.59	11.06	9.96	9.30	9.24		
THUMB	11.98	10.73	10.10	10.61	9.95	11.50	10.26	9.52	7.76		
TRI COUNTY	14.96	12.56	11.36	12.43	10.83	11.52	10.43	9.77	8.37		
AVERAGE INVESTOR OWNED	10.58	9.56	9.23	10.53	9.68	9.60	8.93	8.30	6.74	6.53	6.40
AVERAGE COOPERATIVE	14.37	12.32	11.26	11.67	10.78	11.20	10.18	9.57	8.40		
AVERAGE ALL COMPANIES	12.29	10.80	10.14	11.04	10.17	10.32	9.49	8.87	7.49	6.53	6.40

	RESIDENTIAL		SMALL COMMERCIAL		LARGE	COMMER	CIAL	INDUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	432000	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	10.91	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	9.44	9.43	10.24	11.60	10.89	10.70	9.31	8.47	6.73	6.91	6.64
DETROIT EDISON	10.54	10.53	11.22	11.39	10.67	10.54	10.53	10.18	7.88	7.47	7.21
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.42	6.31	6.00	9.68	7.92	7.62	7.30	7.12	4.85	4.74	4.49
AEP (I&M) THREE RIVERS	8.00	7.09	6.63	8.11	8.04	7.69	7.22	6.75	4.97	4.71	4.44
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	16.39	14.79	13.99	15.71	14.75	14.65	12.62	11.40	8.36	8.30	8.31
UPPER PENINSULA POWER IRON RIVER	12.54	10.94	10.14	10.65	9.69	10.52	9.38	8.70	7.90	7.90	7.90
WISCONSIN ELECTRIC	13.15	11.23	10.27	11.37	10.17	10.01	9.98	8.52	7.12	6.86	6.72
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES											
ALGER DELTA	16.71	14.31	13.11	13.01	13.46	13.10	11.96	11.28	10.80		
CHERRYLAND	14.38	11.98	10.78	10.59	9.39	10.50	9.24	8.49	7.29		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	13.64	11.64	10.64	11.84	10.64	10.55	9.69	9.16	6.31		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	17.48	16.08	15.38	15.55	14.92	14.59	13.72	13.20	11.05		
PRESQUE ISLE	14.29	11.89	10.69	10.87	9.59	11.06	9.96	9.30	9.24		
THUMB	11.98	10.73	10.10	10.61	9.95	11.50	10.26	9.52	7.76		
TRI COUNTY	14.66	12.26	11.06	12.13	10.53	11.22	10.13	9.47	8.37		
AVERAGE INVESTOR OWNED	10.58	9.55	9.22	10.54	9.69	9.61	8.93	8.30	6.74	6.54	6.39
AVERAGE COOPERATIVE	14.24	12.19	11.13	11.54	10.64	11.07	10.05	9.43	8.30		
AVERAGE ALL COMPANIES	12.23	10.74	10.08	10.99	10.12	10.27	9.43	8.81	7.44	6.54	6.39

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMERC	CIAL	1	NDUSTRI/	<u>AL</u>	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	10.91	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	9.44	9.43	10.24	11.60	10.89	10.70	9.31	8.47	6.73	6.91	6.64
DETROIT EDISON	10.54	10.53	11.22	11.39	10.67	10.54	10.53	10.18	7.88	7.47	7.21
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.68	6.57	6.26	9.93	8.18	7.88	7.56	7.37	5.11	5.00	4.49
AEP (I&M) THREE RIVERS	8.12	7.21	6.76	8.24	8.17	7.82	7.34	6.87	5.09	4.84	4.56
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	15.17	13.77	13.07	15.06	14.18	13.50	11.92	10.97	0.00	0.00	0.00
UPPER PENINSULA POWER IRON RIVER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WISCONSIN ELECTRIC	13.15	11.23	10.27	11.37	10.17	10.01	9.98	8.52	7.12	6.86	6.72
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES											
ALGER DELTA	16.71	14.31	13.11	13.01	13.46	13.10	11.96	11.28	10.80		
CHERRYLAND	14.66	12.26	11.06	10.87	9.67	10.78	9.52	8.77	7.57		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	13.64	11.64	10.64	11.84	10.64	10.55	9.69	9.16	6.31		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	17.22	15.82	15.12	15.29	14.66	14.33	13.47	12.94	10.79		
PRESQUE ISLE	14.29	11.89	10.69	10.87	9.59	11.06	9.96	9.30	9.24		
THUMB	11.98	10.73	10.10	10.61	9.95	11.50	10.26	9.52	7.76		
TRI COUNTY	14.66	12.26	11.06	12.13	10.53	11.22	10.13	9.47	8.37		
AVERAGE INVESTOR OWNED	9.37	8.50	8.25	9.54	8.79	8.58	8.05	7.50	5.30	5.10	4.93
AVERAGE COOPERATIVE	14.24	12.19	11.13	11.54	10.64	11.07	10.05	9.43	8.31		
AVERAGE ALL COMPANIES	11.56	10.16	9.55	10.44	9.62	9.70	8.95	8.37	6.65	5.10	4.93

	RESIDENTIAL			SMALL COMMERCIAL		LARGE	COMMERC	CIAL	INDUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000	
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	28800	36000	432000	<u>4320000</u>	21500000	
INVESTOR OWNED												
ALPENA POWER	10.41	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30	
CONSUMERS ENERGY	9.50	9.49	10.30	11.67	10.95	10.76	9.37	8.54	6.80	6.97	6.71	
DETROIT EDISON	10.44	10.43	11.12	11.30	10.58	10.44	10.43	10.09	7.78	7.37	7.12	
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06	
AEP (I&M) ST JOSEPH	7.68	6.57	6.26	9.93	8.18	7.88	7.56	7.37	5.11	5.00	4.49	
AEP (I&M) THREE RIVERS	8.12	7.21	6.76	8.24	8.17	7.82	7.34	6.87	5.09	4.84	4.56	
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30	
UPPER PENINSULA POWER	15.17	13.77	13.07	15.06	14.18	13.50	11.92	10.97	8.76	8.76	8.77	
UPPER PENINSULA POWER IRON RIVER	11.40	10.20	9.60	9.80	9.08	9.64	8.69	8.12	7.37	7.37	7.37	
WISCONSIN ELECTRIC	13.15	11.23	10.27	11.37	10.17	10.01	9.98	8.52	7.12	6.86	6.72	
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91	
COOPERATIVES												
ALGER DELTA	16.71	14.31	13.11	13.01	13.46	13.10	11.96	11.28	10.80			
CHERRYLAND	14.66	12.26	11.06	10.87	9.67	10.78	9.52	8.77	7.57			
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72			
GREAT LAKES	13.64	11.64	10.64	11.84	10.64	10.55	9.69	9.16	6.31			
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18			
ONTONAGON	17.22	15.82	15.12	15.29	14.66	14.33	13.47	12.94	10.79			
PRESQUE ISLE	12.75	11.28	10.55	10.93	10.29	7.41	7.41	7.40	9.13			
THUMB	11.98	10.73	10.10	10.61	9.95	11.50	10.26	9.52	7.76			
TRI COUNTY	14.66	12.26	11.06	12.13	10.53	11.22	10.13	9.47	8.37			
AVERAGE INVESTOR OWNED	10.35	9.43	9.12	10.43	9.61	9.46	8.84	8.24	6.76	6.56	6.39	
AVERAGE COOPERATIVE	14.07	12.12	11.11	11.54	10.72	10.67	9.76	9.22	8.29			
AVERAGE ALL COMPANIES	12.03	10.64	10.02	10.93	10.11	10.00	9.26	8.68	7.45	6.56	6.39	

	RESIDENTIAL		SMALL COMI	MERCIAL	LARGE (	COMMERC	CIAL	<u>II</u>	NDUSTRIA	<u>AL</u>	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	10.41	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	9.50	9.49	9.48	11.67	10.95	10.76	9.37	8.54	6.80	6.97	6.71
DETROIT EDISON	9.95	9.94	10.63	10.80	10.08	9.95	9.94	9.59	7.29	6.87	6.62
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.68	6.57	6.26	9.93	8.18	7.88	7.56	7.37	5.11	5.00	4.49
AEP (I&M) THREE RIVERS	8.12	7.21	6.76	8.24	8.17	7.82	7.34	6.87	5.09	4.84	4.56
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	15.17	13.77	13.07	15.06	14.18	13.50	11.92	10.97	8.76	8.76	8.77
UPPER PENINSULA POWER IRON RIVER	11.40	10.20	9.60	9.80	9.08	9.64	8.69	8.12	7.37	7.37	7.37
WISCONSIN ELECTRIC	13.15	11.23	10.27	11.37	10.17	10.01	9.98	8.52	7.12	6.86	6.72
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES											
ALGER DELTA	16.71	14.31	13.11	13.01	13.46	13.10	11.96	11.28	10.80		
CHERRYLAND	14.66	12.26	11.06	10.87	9.67	10.78	9.52	8.77	7.57		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	13.64	11.64	10.64	11.84	10.64	10.55	9.69	9.16	6.31		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	17.22	15.82	15.12	15.29	14.66	14.33	13.47	12.94	10.79		
PRESQUE ISLE	12.75	11.28	10.55	10.93	10.29	7.41	7.41	7.40	9.13		
THUMB	11.98	10.73	10.10	10.61	9.95	11.50	10.26	9.52	7.76		
TRI COUNTY	14.66	12.26	11.06	12.13	10.53	11.22	10.13	9.47	8.37		
AVERAGE INVESTOR OWNED	10.31	9.38	9.00	10.39	9.57	9.41	8.79	8.19	6.72	6.52	6.35
AVERAGE COOPERATIVE	14.07	12.12	11.11	11.54	10.72	10.67	9.76	9.22	8.29		
AVERAGE ALL COMPANIES	12.00	10.62	9.95	10.91	10.09	9.98	9.23	8.66	7.43	6.52	6.35

	RESIDENTIAL		SMALL COMMERCIAL		LARGE (	COMMERC	<u>CIAL</u>	INDUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	21500000
INVESTOR OWNED											
ALPENA POWER	10.41	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	9.50	9.49	9.48	11.67	10.95	10.76	9.37	8.54	6.80	6.97	6.71
DETROIT EDISON	10.45	10.44	11.13	11.30	10.58	10.45	10.44	10.09	7.79	7.37	7.12
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.42	6.31	6.00	9.12	7.92	7.62	7.30	7.12	4.85	4.74	4.49
AEP (I&M) THREE RIVERS	8.00	7.09	6.63	8.11	8.04	7.69	7.22	6.75	4.91	4.71	4.44
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	15.17	13.77	13.07	15.06	14.18	13.50	11.92	10.97	8.76	8.76	8.77
UPPER PENINSULA POWER IRON RIVER	11.40	10.20	9.60	9.80	9.08	9.64	8.69	8.12	7.37	7.37	7.37
WISCONSIN ELECTRIC	13.15	11.23	10.27	11.37	10.17	10.01	9.98	8.52	7.12	6.86	6.72
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
<u>COOPERATIVES</u>											
ALGER DELTA	16.71	14.31	13.11	13.01	13.46	13.10	11.96	11.28	10.80		
CHERRYLAND	14.19	11.79	10.59	10.40	9.20	10.31	9.05	8.30	7.10		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	13.07	11.07	10.07	11.27	10.07	9.98	9.11	8.59	5.74		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	17.22	15.82	15.12	15.29	14.66	14.33	13.47	12.94	10.79		
PRESQUE ISLE	12.35	10.88	10.15	10.52	9.89	7.01	7.00	7.00	8.66		
THUMB	11.98	10.73	10.10	10.61	9.95	11.50	10.26	9.52	7.76		
TRI COUNTY	14.17	11.77	10.57	11.64	10.04	10.73	9.63	8.98	7.88		
AVERAGE INVESTOR OWNED	10.32	9.39	9.01	10.35	9.58	9.42	8.81	8.21	6.72	6.53	6.38
AVERAGE COOPERATIVE	13.86	11.91	10.90	11.33	10.51	10.45	9.55	9.01	8.07		
AVERAGE ALL COMPANIES	11.91	10.52	9.86	10.79	10.00	9.89	9.14	8.57	7.33	6.53	6.38

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE (	COMMERC	CIAL	<u>I</u>	NDUSTRIA	<u>AL</u>	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	432000	<u>4320000</u>	21500000
INVESTOR OWNED											
ALPENA POWER	10.41	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	8.96	8.95	8.95	11.13	10.41	10.22	8.83	8.00	6.26	6.44	6.17
DETROIT EDISON	9.79	9.78	10.46	10.64	9.92	9.78	9.77	9.43	7.12	6.71	6.46
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.42	6.31	6.00	9.12	7.92	7.62	7.30	7.12	4.85	4.74	4.49
AEP (I&M) THREE RIVERS	8.00	7.09	6.63	8.11	8.04	7.69	7.22	6.75	4.91	4.71	4.44
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	15.17	13.77	13.07	15.06	14.18	13.50	11.92	10.97	8.76	8.76	8.77
UPPER PENINSULA POWER IRON RIVER	11.40	10.20	9.60	9.80	9.08	9.64	8.69	8.12	7.37	7.37	7.37
WISCONSIN ELECTRIC	13.15	11.23	10.27	11.37	10.17	10.01	9.98	8.52	7.12	6.86	6.72
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES											
ALGER DELTA	16.71	14.31	13.11	13.01	13.46	13.10	11.96	11.28	10.80		
CHERRYLAND	14.19	11.79	10.59	10.40	9.20	10.31	9.05	8.30	7.10		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	13.07	11.07	10.07	11.27	10.07	9.98	9.11	8.59	5.74		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	17.22	15.82	15.12	15.29	14.66	14.33	13.47	12.94	10.79		
PRESQUE ISLE	12.35	10.88	10.15	10.52	9.89	7.01	7.00	7.00	8.66		
THUMB	11.66	10.41	9.78	10.29	9.63	11.18	9.94	9.20	7.45		
TRI COUNTY	14.17	11.77	10.57	11.64	10.04	10.73	9.63	8.98	7.88		
AVERAGE INVESTOR OWNED	10.21	9.28	8.91	10.24	9.47	9.31	8.70	8.10	6.61	6.42	6.27
AVERAGE COOPERATIVE	13.82	11.87	10.86	11.29	10.47	10.42	9.51	8.97	8.04		
AVERAGE ALL COMPANIES	11.83	10.45	9.79	10.71	9.92	9.81	9.06	8.49	7.25	6.42	6.27

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE (	COMMERC	CIAL	<u>II</u>	NDUSTRI/	<u>AL</u>	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	21500000
INVESTOR OWNED											
ALPENA POWER	10.41	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	8.96	8.95	8.95	11.13	10.41	10.22	8.83	8.00	6.25	6.44	6.17
DETROIT EDISON	9.77	9.76	10.45	10.62	9.90	9.77	9.76	9.41	7.11	6.70	6.44
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.42	6.31	6.00	9.12	7.92	7.62	7.30	7.12	4.85	4.74	4.49
AEP (I&M) THREE RIVERS	8.00	7.09	6.63	8.11	8.04	7.69	7.22	6.75	4.91	4.71	4.44
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	15.17	13.77	13.07	15.06	14.18	13.50	11.92	10.97	8.76	8.76	8.77
UPPER PENINSULA POWER IRON RIVER	11.40	10.20	9.60	9.80	9.08	9.64	8.69	8.12	7.37	7.37	7.37
WISCONSIN ELECTRIC	13.15	11.23	10.27	11.37	10.17	10.01	9.98	8.52	7.12	6.86	6.72
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
<u>COOPERATIVES</u>											
ALGER DELTA	17.34	14.94	13.74	13.64	14.09	13.72	12.59	11.91	11.43		
CHERRYLAND	14.04	11.64	10.44	10.25	9.05	10.16	8.90	8.15	6.95		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	13.07	11.07	10.07	11.27	10.07	9.98	9.11	8.59	5.74		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	16.86	15.46	14.76	14.93	14.30	13.97	13.11	12.58	10.43		
PRESQUE ISLE	12.35	10.88	10.15	10.52	9.89	7.01	7.00	7.00	8.66		
THUMB	12.55	11.30	10.68	11.19	10.53	12.07	10.84	10.09	8.34		
TRI COUNTY	14.17	11.77	10.57	11.64	10.04	10.73	9.63	8.98	7.88		
AVERAGE INVESTOR OWNED	10.21	9.28	8.90	10.24	9.47	9.31	8.69	8.09	6.61	6.42	6.27
AVERAGE COOPERATIVE	13.93	11.98	10.97	11.41	10.58	10.53	9.63	9.08	8.15		
AVERAGE ALL COMPANIES	11.88	10.50	9.84	10.76	9.97	9.86	9.11	8.54	7.30	6.42	6.27

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMERC	CIAL	<u>I</u>	NDUSTRIA	<u>AL</u>	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	21500000
INVESTOR OWNED											
ALPENA POWER	10.41	9.61	9.21	9.86	9.32	9.11	8.04	7.30	5.33	4.31	4.30
CONSUMERS ENERGY	8.96	8.95	8.95	11.13	10.41	10.22	8.83	8.00	6.25	6.44	6.17
DETROIT EDISON	9.77	9.76	10.45	10.62	9.90	9.77	9.76	9.41	7.11	6.70	6.44
EDISON SAULT ELECTRIC	8.21	7.53	7.19	8.89	8.29	8.18	8.13	7.65	7.08	7.06	7.06
AEP (I&M) ST JOSEPH	7.42	6.31	6.00	9.12	7.92	7.62	7.30	7.12	4.85	4.74	4.49
AEP (I&M) THREE RIVERS	8.00	7.09	6.63	8.11	8.04	7.69	7.22	6.75	4.91	4.71	4.44
NORTHERN STATES POWER	10.29	9.44	9.01	9.55	8.95	9.11	8.22	7.68	7.33	7.30	7.30
UPPER PENINSULA POWER	15.17	13.77	13.07	15.06	14.18	13.50	11.92	10.97	8.76	8.76	8.77
UPPER PENINSULA POWER IRON RIVER	11.40	10.20	9.60	9.80	9.08	9.64	8.69	8.12	7.37	7.37	7.37
WISCONSIN ELECTRIC	13.15	11.23	10.27	11.37	10.17	10.01	9.98	8.52	7.12	6.86	6.72
WISCONSIN PUBLIC SERVICE	9.52	8.22	7.57	9.08	7.88	7.59	7.56	7.55	6.60	6.34	5.91
COOPERATIVES											
ALGER DELTA	17.34	14.94	13.74	13.64	14.09	13.72	12.59	11.91	11.43		
CHERRYLAND	14.04	11.64	10.44	10.25	9.05	10.16	8.90	8.15	6.95		
CLOVERLAND	11.85	10.05	8.82	9.47	8.67	8.16	7.50	7.11	5.72		
GREAT LAKES	13.07	11.07	10.07	11.27	10.07	9.98	9.11	8.59	5.74		
MIDWEST ENERGY	13.16	10.76	9.56	9.76	8.64	8.94	7.94	7.35	8.18		
ONTONAGON	16.86	15.46	14.76	14.93	14.30	13.97	13.11	12.58	10.43		
PRESQUE ISLE	12.35	10.88	10.15	10.52	9.89	7.01	7.00	7.00	8.66		
THUMB	12.55	11.30	10.68	11.19	10.53	12.07	10.84	10.09	8.34		
TRI COUNTY	14.17	11.77	10.57	11.64	10.04	10.73	9.63	8.98	7.88		
AVERAGE INVESTOR OWNED	10.21	9.28	8.90	10.24	9.47	9.31	8.69	8.09	6.61	6.42	6.27
AVERAGE COOPERATIVE	13.93	11.98	10.97	11.41	10.58	10.53	9.63	9.08	8.15		
AVERAGE ALL COMPANIES	11.88	10.50	9.84	10.76	9.97	9.86	9.11	8.54	7.30	6.42	6.27

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE	COMMERC	CIAL	<u>!</u>	<u>NDUSTRI</u>	<u>AL</u>	
ĸW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	4320000	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	9.79	8.99	8.59	9.24	8.70	8.49	7.42	6.68	5.17	3.70	3.69
CONSUMERS ENERGY	7.94	7.94	10.68	10.28	9.71	9.65	8.19	7.32	5.39	5.37	5.38
DETROIT EDISON	8.94	8.94	9.63	11.25	10.54	10.40	10.39	10.00	7.05	6.64	6.40
EDISON SAULT ELECTRIC	7.15	6.47	6.13	7.83	7.24	7.13	7.07	6.59	6.03	6.01	6.01
INDIANA MICHIGAN POWER ST JOSEPH	7.22	6.11	5.80	8.92	7.71	7.41	7.09	6.90	4.54	4.28	4.30
INDIANA MICHIGAN POWER THREE RIVERS	7.85	6.94	6.48	7.97	7.89	7.53	7.06	6.62	4.56	4.29	4.29
NORTHERN STATES POWER	8.56	7.71	7.28	7.82	7.22	7.38	6.49	5.95	5.60	5.57	5.58
UPPER PENINSULA POWER	14.10	12.70	12.00	13.99	13.11	12.43	10.85	9.91	7.69	7.69	7.70
UPPER PENINSULA POWER IRON RIVER	10.65	9.45	8.85	9.06	8.34	8.89	7.94	7.37	6.62	6.62	6.62
WISCONSIN ELECTRIC	12.79	10.87	9.91	11.01	9.81	9.65	9.62	8.16	6.76	6.50	6.37
WISCONSIN PUBLIC SERVICE	8.94	7.64	6.99	8.50	7.30	7.01	6.98	6.97	6.02	5.76	5.34
COOPERATIVES											
ALGER DELTA	13.62	11.62	10.62	10.74	11.14	10.80	9.76	9.14	8.69		
CHERRYLAND	12.09	10.09	9.09	9.08	7.78	8.71	7.59	6.91	7.31		
CLOVERLAND	11.13	9.33	8.10	8.75	7.95	7.44	6.78	6.38	5.00		
GREAT LAKES	12.43	10.43	9.43	10.63	9.43	9.34	8.47	7.95	5.10		
MIDWEST ENERGY	12.37	9.97	8.77	9.10	8.14	8.51	7.49	6.89	5.84		
ONTONAGON	13.76	12.36	11.66	11.82	11.20	10.87	10.00	9.48	7.33		
PRESQUE ISLE	11.10	9.63	8.89	9.27	8.64	8.56	8.36	7.83	7.40		
THUMB	11.08	9.93	9.36	9.87	9.25	10.81	9.57	8.83	7.36		
TRI COUNTY	13.35	10.95	9.75	10.82	9.22	9.91	8.82	8.16	7.06		
AVERAGE INVESTOR OWNED	9.45	8.52	8.40	9.62	8.87	8.73	8.10	7.50	5.95	5.68	5.61
AVERAGE COOPERATIVE	12.32	10.48	9.52	10.01	9.19	9.44	8.54	7.95	6.79		
AVERAGE ALL COMPANIES	10.74	9.40	8.90	9.80	9.02	9.05	8.30	7.70	6.33	5.68	5.61

	RESIDENTIAL		SMALL COM	MERCIAL	LARGE (	COMMERC	CIAL	INDUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	21500000
INVESTOR OWNED											
ALPENA POWER	9.79	8.99	8.59	9.24	8.70	8.49	7.42	6.68	5.17	3.70	3.69
CONSUMERS ENERGY	7.08	7.08	7.08	11.00	10.13	10.07	8.61	7.74	5.84	5.82	5.83
DETROIT EDISON	8.69	8.69	9.38	10.98	10.27	10.13	10.12	9.72	6.78	6.37	6.13
EDISON SAULT ELECTRIC	7.15	6.47	6.13	7.83	7.24	7.13	7.07	6.59	6.03	6.01	6.01
AEP (I&M) ST JOSEPH	7.22	6.11	5.80	8.92	7.71	7.41	7.09	6.90	4.54	4.28	4.30
AEP (I&M) THREE RIVERS	7.85	6.94	6.48	7.97	7.89	7.53	7.06	6.62	4.56	4.29	4.29
NORTHERN STATES POWER	8.56	7.71	7.28	7.82	7.22	7.38	6.49	5.95	5.60	5.57	5.58
UPPER PENINSULA POWER	14.10	12.70	12.00	13.99	13.11	12.43	10.85	9.91	7.69	7.69	7.70
UPPER PENINSULA POWER IRON RIVER	10.65	9.45	8.85	9.06	8.34	8.89	7.94	7.37	6.62	6.62	6.62
WISCONSIN ELECTRIC	12.80	10.88	9.92	11.02	9.82	9.65	9.62	8.16	6.77	6.51	6.38
WISCONSIN PUBLIC SERVICE	8.17	6.87	6.22	8.50	7.30	7.01	6.98	6.97	6.02	5.76	5.34
<u>COOPERATIVES</u>											
ALGER DELTA	13.15	11.15	10.15	10.27	10.67	10.33	9.29	8.67	8.22		
CHERRYLAND	11.87	9.87	8.87	8.86	7.56	8.49	7.37	6.69	7.09		
CLOVERLAND	11.41	9.61	8.37	9.03	8.23	7.72	7.06	6.66	5.28		
GREAT LAKES	12.43	10.43	9.43	10.63	9.43	9.34	8.47	7.95	5.10		
MIDWEST ENERGY	12.37	9.97	8.77	9.10	8.14	8.51	7.49	6.89	5.84		
ONTONAGON	13.76	12.36	11.66	11.82	11.20	10.87	10.00	9.48	7.33		
PRESQUE ISLE	11.10	9.63	8.89	9.27	8.64	8.56	8.36	7.83	7.40		
THUMB	11.08	9.93	9.36	9.87	9.25	10.81	9.57	8.83	7.36		
TRI COUNTY	13.35	10.95	9.75	10.82	9.22	9.91	8.82	8.16	7.06		
AVERAGE INVESTOR OWNED	9.28	8.35	7.98	9.67	8.88	8.74	8.12	7.51	5.97	5.69	5.62
AVERAGE COOPERATIVE	12.28	10.43	9.47	9.96	9.15	9.39	8.49	7.91	6.74		
AVERAGE ALL COMPANIES	10.63	9.29	8.65	9.80	9.00	9.03	8.29	7.69	6.32	5.69	5.62

	RES	SIDENTIAL	=	SMALL COM	MERCIAL	LARGE C	OMMERC	IAL		INDUSTRIAL	
kW kWh	<u>250</u>	<u>500</u>	<u>1000</u>	5 <u>1000</u>	25 5000	100 <u>21600</u>	100 <u>28800</u>	100 <u>36000</u>	1000 <u>432000</u>	10000 <u>4320000</u>	50000 <u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	9.51	8.71	8.31	8.96	8.42	8.21	7.14	6.40	4.89	3.41	3.41
CONSUMERS ENERGY	8.07	8.07	8.07	10.65	9.83	9.77	8.31	7.44	5.52	5.49	5.50
DETROIT EDISON	8.71	8.70	9.38	10.30	10.38	9.17	9.17	6.80	5.44	5.03	4.79
EDISON SAULT ELECTRIC	7.27	6.59	6.25	7.95	7.36	7.25	7.19	6.71	6.15	6.13	6.13
AEP (I&M) ST JOSEPH	7.14	6.03	5.72	8.84	7.63	7.33	7.02	6.83	4.47	4.21	4.22
AEP (I&M) THREE RIVERS	7.80	6.89	6.43	7.92	7.84	7.49	7.01	6.57	4.51	4.25	4.25
NORTHERN STATES POWER	8.80	7.95	7.53	8.06	7.46	7.63	6.73	6.19	5.85	5.82	5.83
UPPER PENINSULA POWER	14.36	12.96	12.26	14.25	13.37	12.69	11.11	10.16	7.95	7.95	7.96
UPPER PENINSULA POWER IRON RIVER	10.59	9.39	8.79	9.00	8.28	8.83	7.88	7.31	6.56	6.56	6.56
WISCONSIN ELECTRIC	12.64	10.72	7.85	10.86	9.66	9.50	9.46	8.00	6.61	6.35	6.22
WISCONSIN PUBLIC SERVICE	8.87	7.57	6.92	8.44	7.24	6.95	6.92	6.90	5.95	5.70	5.27
COOPERATIVES											
ALGER DELTA	13.78	11.78	10.78	10.90	11.30	10.97	9.92	9.30	8.86		
CHERRYLAND	12.09	10.09	9.09	9.08	7.79	8.71	7.59	6.92	7.31		
CLOVERLAND	11.62	9.82	8.59	9.24	8.44	7.93	7.27	6.87	5.49		
GREAT LAKES	12.42	10.42	9.42	10.62	9.42	9.34	8.47	7.95	5.10		
MIDWEST ENERGY	11.95	9.55	8.35	8.68	7.72	8.09	7.08	6.47	5.43		
ONTONAGON	13.81	12.41	11.71	11.87	11.24	10.92	10.05	9.53	7.38		
PRESQUE ISLE	11.27	9.80	9.07	9.44	8.81	8.73	8.54	8.01	7.40		
THUMB	10.91	9.76	9.19	9.70	9.08	10.64	9.40	8.65	7.19		
TRI COUNTY	13.38	10.98	9.78	10.85	9.25	9.95	8.85	8.19	7.09		
AVERAGE INVESTOR OWNED	9.43	8.51	7.96	9.57	8.86	8.62	8.00	7.21	5.81	5.53	5.47
AVERAGE COOPERATIVE	12.36	10.51	9.55	10.04	9.23	9.47	8.57	7.99	6.80		
AVERAGE ALL COMPANIES	10.75	9.41	8.68	9.78	9.03	9.00	8.26	7.56	6.26	5.53	5.47

	RESIDENTIAL			SMALL CO	LARGE	COMME	RCIAL	<u>I</u>	NDUSTRIA	<u>AL</u>	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	1000	5000	21600	28800	36000	432000		21500000
INVESTOR OWNED											
ALPENA POWER	9.51	8.71	8.31	8.96	8.42	8.21	7.14	6.40	4.89	3.41	3.41
CONSUMERS ENERGY	8.07	8.07	8.07	10.65	9.97	9.77	8.31	7.44	5.52	5.49	5.50
DETROIT EDISON	8.69	8.69	9.38	10.31	10.02	9.88	9.87	9.58	6.65	6.24	6.01
EDISON SAULT ELECTRIC	7.27	6.59	6.25	7.95	7.36	7.25	7.19	6.71	6.15	6.13	6.13
AEP (I&M) ST JOSEPH	7.14	6.03	5.72	8.84	7.63	7.33	7.02	6.83	4.47	4.21	4.22
AEP (I&M) THREE RIVERS	7.80	6.89	6.43	7.92	7.84	7.49	7.01	6.57	4.51	4.25	4.25
NORTHERN STATES POWER	8.80	7.95	7.53	8.06	7.46	7.63	6.73	6.19	5.85	5.82	5.83
UPPER PENINSULA POWER	13.79	12.39	11.69	13.68	12.80	12.12	10.54	9.59	7.38	7.38	7.39
UPPER PENINSULA POWER IRON RIVER	10.59	9.39	8.79	9.00	8.28	8.83	7.88	7.31	6.56	6.56	6.56
WISCONSIN ELECTRIC	12.64	10.72	7.85	10.86	9.66	9.50	9.46	8.00	6.61	6.35	6.22
WISCONSIN PUBLIC SERVICE	8.69	7.39	6.74	8.26	7.06	6.77	6.74	6.72	5.77	5.51	5.09
COOPERATIVES											
ALGER DELTA	13.78	11.78	10.78	10.90	11.30	10.97	9.92	9.30	8.86		
CHERRYLAND	12.09	10.09	9.09	9.08	7.79	8.71	7.59	6.92	7.31		
CLOVERLAND	11.62	9.82	8.59	9.24	8.44	7.93	7.27	6.87	5.49		
GREAT LAKES	12.42	10.42	9.42	10.62	9.42	9.34	8.47	7.95	5.10		
MIDWEST ENERGY	11.95	9.55	8.35	8.68	7.72	8.09	7.08	6.47	5.43		
ONTONAGON	13.81	12.41	11.71	11.87	11.24	10.92	10.05	9.53	7.38		
PRESQUE ISLE	11.27	9.80	9.07	9.44	8.81	8.73	8.54	8.01	7.40		
THUMB	10.91	9.76	9.19	9.70	9.08	10.64	9.40	8.65	7.19		
TRI COUNTY	13.38	10.98	9.78	10.85	9.25	9.95	8.85	8.19	7.09		
AVERAGE INVESTOR OWNED	9.36	8.44	7.89	9.50	8.77	8.61	7.99	7.39	5.85	5.58	5.51
AVERAGE COOPERATIVE	12.36	10.51	9.55	10.04	9.23	9.47	8.57	7.99	6.80		
AVERAGE ALL COMPANIES	10.71	9.37	8.64	9.74	8.98	9.00	8.25	7.66	6.28	5.58	5.51

	RESIDENTIAL			SMALL COI	MERCIAL	LARGE	COMME	RCIAL	<u> 1</u>	NDUSTRI	<u>AL</u>
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	<u>432000</u>	<u>4320000</u>	<u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	9.66	8.86	8.46	9.11	8.57	8.36	7.29	6.55	5.04	3.56	3.56
CONSUMERS ENERGY	8.05	8.05	8.85	10.66	9.84	9.78	8.32	7.45	5.53	5.51	5.51
DETROIT EDISON	8.69	8.69	9.38	10.31	10.02	9.88	9.87	9.58	6.65	6.24	6.01
EDISON SAULT ELECTRIC	7.27	6.59	6.25	7.95	7.36	7.25	7.19	6.71	6.15	6.13	6.13
AEP (I&M) ST JOSEPH	7.15	6.04	5.73	8.85	7.64	7.34	7.02	6.83	4.47	4.21	4.22
AEP (I&M) THREE RIVERS	7.81	6.90	6.44	7.93	7.85	7.49	7.02	6.58	4.52	4.25	4.25
NORTHERN STATES POWER	8.80	7.95	7.53	8.06	7.46	7.63	6.73	6.19	5.85	5.82	5.83
UPPER PENINSULA POWER	14.34	12.94	12.24	14.23	13.35	12.67	11.09	10.14	7.93	7.93	7.94
UPPER PENINSULA POWER IRON RIVER	10.59	9.39	8.79	9.00	8.28	8.83	7.88	7.31	6.56	6.56	6.56
WISCONSIN ELECTRIC	12.31	10.39	9.43	10.53	9.33	9.16	9.13	7.67	6.28	6.02	5.88
WISCONSIN PUBLIC SERVICE	8.69	7.39	6.74	8.26	7.06	6.77	6.74	6.72	5.77	5.51	5.09
COOPERATIVES											
ALGER DELTA	13.78	11.78	10.78	10.90	11.30	10.97	9.92	9.30	8.86		
CHERRYLAND	12.09	10.09	9.09	9.08	7.79	8.71	7.59	6.92	7.31		
CLOVERLAND	11.62	9.82	8.59	9.24	8.44	7.93	7.27	6.87	5.49		
GREAT LAKES	12.42	10.42	9.42	10.62	9.42	9.34	8.47	7.95	5.10		
MIDWEST ENERGY	11.68	9.28	8.08	8.41	7.45	7.82	6.80	6.20	5.16		
ONTONAGON	13.31	11.91	11.21	11.37	10.74	10.42	9.55	9.03	6.88		
PRESQUE ISLE	11.27	9.80	9.07	9.44	8.81	8.73	8.54	8.01	7.40		
THUMB	10.91	9.76	9.19	9.70	9.08	10.64	9.40	8.65	7.19		
TRI COUNTY	13.38	10.98	9.78	10.85	9.25	9.95	8.85	8.19	7.09		
AVERAGE INVESTOR OWNED	9.40	8.47	8.17	9.53	8.80	8.65	8.03	7.43	5.89	5.61	5.54
AVERAGE COOPERATIVE	12.27	10.43	9.47	9.96	9.14	9.39	8.49	7.90	6.72		
AVERAGE ALL COMPANIES	10.69	9.35	8.75	9.72	8.95	8.98	8.23	7.64	6.26	5.61	5.54

	RESIDENTIAL			SMALL CO	LARGE	COMME	RCIAL	<u>!</u>	NDUSTRI	<u>AL</u>	
kW	0.50	=00	4000	5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	432000	4320000	21500000
INVESTOR OWNED											
ALPENA POWER	10.06	9.26	8.86	9.52	8.98	8.76	7.69	6.95	5.43	3.97	3.96
CONSUMERS ENERGY	7.95	7.95	7.95	10.65	9.77	4.32	4.21	4.14	5.43	5.41	5.42
DETROIT EDISON	8.69	8.69	9.38	10.29	9.59	9.46	9.45	9.18	6.07	5.69	5.47
EDISON SAULT ELECTRIC	6.93	6.25	5.91	7.61	7.02	3.15	3.14	3.14	5.81	5.78	5.79
AEP (I&M) ST JOSEPH	7.52	6.41	6.11	9.29	8.05	7.75	7.43	7.24	4.82	4.56	4.57
AEP (I&M) THREE RIVERS	8.00	7.08	6.63	8.17	8.07	7.71	7.24	6.76	4.68	4.41	4.41
NORTHERN STATES POWER	8.33	7.48	7.06	7.59	6.99	7.16	6.26	5.72	5.38	5.35	5.36
UPPER PENINSULA POWER	9.46	8.06	7.36	7.32	6.44	6.93	5.84	5.18	3.28	3.28	3.29
UPPER PENINSULA POWER IRON RIVER	7.01	5.81	5.21	4.63	3.91	4.14	3.27	2.75	2.01	2.01	2.02
WISCONSIN ELECTRIC	12.02	10.10	10.92	6.74	5.54	5.38	5.34	6.49	1.70	0.94	0.83
WISCONSIN PUBLIC SERVICE	8.34	7.04	6.39	7.91	6.71	6.42	6.39	6.37	5.42	5.17	4.74
COOPERATIVES											
ALGER DELTA	12.41	10.41	9.41	9.53	9.93	9.60	8.56	7.93	7.49		
CHERRYLAND	12.26	10.26	9.26	9.25	7.96	8.88	7.76	7.09	7.40		
CLOVERLAND	10.73	8.93	7.69	8.35	7.55	7.04	6.38	5.98	4.60		
GREAT LAKES	12.67	10.67	9.67	10.87	9.67	9.59	8.72	8.20	5.35		
MIDWEST ENERGY	11.45	9.05	7.85	8.19	7.23	7.59	6.58	5.97	4.93		
ONTONAGON	13.29	11.89	11.19	11.35	10.72	10.40	9.53	9.01	6.86		
PRESQUE ISLE	11.59	10.12	9.38	9.76	9.13	9.05	8.85	8.32	7.77		
THUMB	10.76	9.61	9.04	9.55	8.93	10.49	9.25	8.51	7.04		
TRI COUNTY	13.46	11.06	9.86	10.93	9.33	10.03	8.93	8.27	7.17		
AVERAGE INVESTOR OWNED	8.57	7.65	7.43	8.16	7.37	6.47	6.02	5.81	4.55	4.23	4.17
AVERAGE COOPERATIVE	12.07	10.22	9.26	9.75	8.94	9.18	8.28	7.70	6.51		
AVERAGE ALL COMPANIES	10.15	8.81	8.26	8.87	8.07	7.69	7.04	6.66	5.43	4.23	4.17

Source: Michigan Public Service Commission Utility Rate Books Compiled by the Energy Operations Division

			Small Commercial		Large	Comm	<u>ercial</u>		INDUSTRI	<u>AL</u>	
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21500000
INVESTOR OWNED											
ALPENA POWER	\$0.096	\$0.088	\$0.084	\$0.090	\$0.085	\$0.083	\$0.072	\$0.064	\$0.057	\$0.049	\$0.049
CONSUMERS ENERGY	\$0.080	\$0.080	\$0.089	\$0.103	\$0.098	\$0.097	\$0.082	\$0.074	\$0.057	\$0.055	\$0.054
DETROIT EDISON	\$0.087	\$0.087	\$0.094	\$0.103	\$0.096	\$0.095	\$0.094	\$0.092	\$0.067	\$0.063	\$0.061
EDISON SAULT ELECTRIC	\$0.070	\$0.063	\$0.060	\$0.077	\$0.071	\$0.069	\$0.069	\$0.064	\$0.058	\$0.058	\$0.058
AEP (I&M) ST JOSEPH	\$0.076	\$0.064	\$0.061	\$0.098	\$0.080	\$0.077	\$0.074	\$0.072	\$0.049	\$0.041	\$0.040
AEP (I&M) THREE RIVERS	\$0.081	\$0.071	\$0.066	\$0.082	\$0.080	\$0.077	\$0.072	\$0.067	\$0.058	\$0.047	\$0.045
NORTHERN STATES POWER	\$0.094	\$0.085	\$0.081	\$0.086	\$0.080	\$0.082	\$0.073	\$0.067	\$0.059	\$0.056	\$0.054
UPPER PENINSULA POWER	\$0.112	\$0.101	\$0.095	\$0.112	\$0.105	\$0.094	\$0.082	\$0.075	\$0.059	\$0.059	\$0.058
UPPER PENINSULA POWER IRON RIVER	\$0.089	\$0.080	\$0.075	\$0.075	\$0.069	\$0.073	\$0.065	\$0.060	\$0.054	\$0.054	\$0.054
WISCONSIN ELECTRIC	\$0.105	\$0.092	\$0.085	\$0.092	\$0.083	\$0.082	\$0.077	\$0.068	\$0.055	\$0.052	\$0.051
WISCONSIN PUBLIC SERVICE	\$0.070	\$0.063	\$0.059	\$0.069	\$0.062	\$0.060	\$0.060	\$0.060	\$0.045	\$0.044	\$0.044
COOPERATIVES											
ALGER DELTA	\$0.117	\$0.097	\$0.087	\$0.089	\$0.093	\$0.089	\$0.079	\$0.073	\$0.068		
CHERRYLAND	-	\$0.007		•	\$0.080	\$0.000	\$0.079	\$0.073	\$0.061		
CLOVERLAND	-	\$0.087	-	•	\$0.086	\$0.080	\$0.073	\$0.069	\$0.049		
GREAT LAKES - BOYNE CITY		\$0.103	•	•	\$0.098	\$0.097	\$0.089	\$0.084	\$0.060		
GREAT LAKES - NEWAYGO		\$0.101	•	•	\$0.088	\$0.095	\$0.086	\$0.081	\$0.058		
GREAT LAKES - SCOTTVILLE	-	\$0.107		•	\$0.105	\$0.112	\$0.106	\$0.103	\$0.062		
MIDWEST ENERGY		\$0.090		•	\$0.071	\$0.075	\$0.065	\$0.059	\$0.049		
ONTONAGON		\$0.108			\$0.097	\$0.094	\$0.085	\$0.080	\$0.058		
PRESQUE ISLE	-	\$0.101		•	\$0.092	\$0.090	\$0.089	\$0.084	\$0.062		
THUMB	-	\$0.095	-	•	\$0.088	\$0.104	\$0.092	\$0.084	\$0.068		
TRI COUNTY	-	\$0.110	-	•	\$0.093	\$0.100	\$0.089	\$0.082	\$0.071		
	<b>^</b>		<b></b>				<b>.</b>	<b>.</b>	<b>A.</b>	<b>A.</b> a	<b>^ ^ ^ ^ - - -</b>
AVERAGE INVESTOR OWNED	-	\$0.079	-	•	\$0.083	\$0.081	\$0.075	\$0.069	\$0.056	\$0.053	\$0.052
AVERAGE COOPERATIVE	-	\$0.100	-	•	\$0.090	\$0.093	\$0.085	\$0.079	\$0.061	<b>A</b> 2 2 - 2	<b>#0.0</b>
AVERAGE ALL COMPANIES	\$0.102	\$0.090	\$0.084	\$0.093	\$0.086	\$0.087	\$0.080	\$0.074	\$0.058	\$0.053	\$0.052

	RESIDENTIAL			SMALL COI	LARGE	СОММЕ	RCIAL	1	NDUSTRIA	<u>\L</u>	
kW kWh	<u>250</u>	<u>500</u>	<u>1000</u>	5 <u>1000</u>	25 5000	100 <u>21600</u>	100 28800	100 <u>36000</u>	1000 <u>432000</u>	10000 <u>4320000</u>	50000 <u>21500000</u>
INVESTOR OWNED											
ALPENA POWER	9.3	8.5	8.1	8.9	8.3	8.0	7.0	6.4	5.7	4.9	4.9
CONSUMERS ENERGY	8.0	8.0	8.0	10.3	9.8	9.7	8.2	7.4	5.7	5.5	5.4
DETROIT EDISON	8.7	8.7	9.4	10.8	10.1	10.0	9.9	9.7	7.0	6.6	6.4
EDISON SAULT ELECTRIC	7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (I&M) ST JOSEPH	7.5	6.4	6.0	9.8	8.0	7.7	7.4	7.2	4.9	4.1	4.0
AEP (I&M) THREE RIVERS	7.9	7.0	6.6	8.1	8.0	7.6	7.2	6.6	5.7	4.6	4.4
NORTHERN STATES POWER	8.6	7.8	7.3	7.9	7.3	7.4	6.5	6.0	5.2	5.2	5.2
UPPER PENINSULA POWER	11.7	10.6	10.0	11.7	11.0	9.9	8.7	8.0	6.4	6.4	6.3
UPPER PENINSULA POWER IRON RIVER	8.8	8.0	7.5	7.5	6.9	7.3	6.5	6.0	5.4	5.4	5.4
WISCONSIN ELECTRIC	10.2	8.9	8.3	9.0	8.1	8.0	8.0	6.6	5.3	5.0	4.9
WISCONSIN PUBLIC SERVICE	7.2	6.4	6.1	7.1	6.4	6.2	6.2	6.2	4.7	4.6	4.6
COOPERATIVES											
ALGER DELTA	11.6	9.6	8.6	8.7	9.1	8.8	7.8	7.1	6.7		
CHERRYLAND	11.5	10.1	9.1	9.8	9.1	9.4	8.4	7.8	7.4		
CLOVERLAND	9.2	8.1	7.3	8.6	8.0	7.4	6.7	6.3	4.3		
GREAT LAKES - BOYNE CITY	11.1	9.9	9.1	10.1	9.5	9.4	8.6	8.1	6.8		
GREAT LAKES - NEWAYGO	10.8	9.7	9.1	8.9	8.4	9.1	8.3	7.7	6.7		
GREAT LAKES - SCOTTVILLE	11.7	10.4	9.8	10.9	10.2	11.0	10.4	10.1	7.1		
MIDWEST ENERGY	11.2	8.8	7.6	7.9	6.9	7.3	6.3	5.7	4.6		
ONTONAGON	12.1	10.7	10.0	10.2	9.5	9.2	8.4	7.8	5.7		
PRESQUE ISLE	11.4	9.9	9.1	9.5	8.9	8.8	8.6	8.1	7.1		
THUMB	10.2	9.1	8.5	9.1	8.4	10.0	8.8	8.0	6.6		
TRI COUNTY	13.2	10.8	9.6	10.7	9.1	9.8	8.7	8.0	6.9		
AVERAGE INVESTOR OWNED	8.6	7.9	7.6	9.0	8.3	8.1	7.5	6.9	5.6	5.3	5.2
AVERAGE COOPERATIVE	11.3	9.7	8.9	9.5	8.8	9.1	8.2	7.7	6.4		
AVERAGE ALL COMPANIES	9.9	8.8	8.2	9.2	8.6	8.6	7.9	7.3	6.0	5.3	5.2

	RESIDENTIAL			SMALL COMME	RCIAL	LARGE	COMMERCIAL		<u>//\</u>	IDUSTRIAL	
i	kW			5	25	100	100	100	1000	10000	50000
k)	Wh <u>250</u>	<u>500</u>	1000	1000	5000	<u>21600</u>	<u>28800</u>	<u>36000</u>	432000	4320000	21500000
INVESTOR OWNED											
ALPENA POWER	0.1	0.2	7.0	0.0	0.4	7.0	7.1	6.4	5.0	5.2	5.0
CONSUMERS ENERGY	9.1 8.0	8.3 8.0	7.9 8.9	8.9 10.3	8.4 9.8	7.9 9.7	8.2	6.4 7.4	5.8 5.7	5.2 5.5	5.2 5.4
									7.0		
DETROIT EDISON	8.7	8.7	9.4	10.8	10.1	10.0	9.9	9.7		6.6	6.4
EDISON SAULT ELECTRIC	7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (ST JOSEPH)	7.5	6.4	6.0	9.8	8.0	7.7	7.4	7.2	4.9	4.1	4.0
AEP (THREE RIVERS)	7.9	7.0	6.6	8.1	8.0	7.6	7.2	6.6	5.7	4.6	4.4
NORTHERN STATES POWER	8.4	7.5	7.1	7.6	7.0	7.2	6.3	5.8	5.0	4.9	4.9
UPPER PENINSULA POWER	11.2	10.1	9.5	11.2	10.5	9.5	8.3	7.5	5.9	5.9	5.8
UPPER PENINSULA IRON RIVER	8.7	7.8	7.3	7.4	6.8	7.1	6.3	5.8	5.2	5.2	5.2
WISCONSIN ELECTRIC	10.0	8.8	8.1	8.9	8.0	7.8	7.8	6.5	5.2	4.9	4.7
WISCONSIN PUBLIC SERVICE	7.0	6.3	5.9	7.0	6.2	6.1	6.0	6.0	4.6	4.5	4.4
COOPERATIVES											
ALGER DELTA	10.8	9.1	8.2	8.4	8.7	8.4	7.3	6.7	6.3		
CHERRYLAND	11.5	10.0	9.3	9.8	9.1	9.3	8.4	7.8	7.4		
CLOVERLAND	9.5	8.4	7.5	8.8	8.3	7.6	7.0	6.6	4.6		
GREAT LAKES - BOYNE CITY	11.1	9.9	9.1	10.1	9.5	9.4	8.6	8.1	6.8		
GREAT LAKES - NEWAYGO	10.8	9.7	9.1	8.9	8.4	9.4	8.3	7.7	6.7		
GREAT LAKES - SCOTTVILLE	11.7	10.4	9.1	10.9	10.2	11.0	10.4	10.1	7.1		
MIDWEST ENERGY											
	11.4	9.0	7.8	8.1	7.1	7.5	6.5	5.9	4.8		
ONTONAGON	11.5	10.1	9.4	9.6	9.0	8.7	7.8	7.3	5.1		
PRESQUE ISLE	11.3	9.8	9.1	9.5	8.8	8.7	8.6	8.0	7.1		
THUMB	9.9	8.8	8.3	8.8	8.2	9.7	8.5	7.7	6.3		
TRI COUNTY	13.1	10.7	9.5	10.6	9.0	9.7	8.6	7.9	6.8		
AVERAGE INVESTOR OWNED	8.5	7.7	7.5	8.9	8.2	8.0	7.4	6.9	5.5	5.2	5.1
AVERAGE COOPERATIVE	11.1	9.6	8.8	9.4	8.8	9.0	8.2	7.6	6.3		
AVERAGE ALL COMPANIES	9.8	8.7	8.2	9.1	8.5	8.5	7.8	7.2	5.9	5.2	5.1

		57.11.07.11.1.1, <u>2</u> 000										
		<u>RESIDENTIAL</u>			SMALL COMMER	RCIAL	<u>LARGE</u>	COMMERCIAL		<u>IN</u>	<u>DUSTRIAL</u>	
	kW				5	25	100	100	100	1000	10000	50000
	kWh	<u>250</u>	<u>500</u>	1000	1000	5000	21600	28800	<u>36000</u>	432000	4320000	21500000
INVESTOR OWNED												
ALPENA POWER		9.1	8.3	7.9	8.9	8.4	7.9	7.1	6.4	5.8	5.2	5.2
CONSUMERS ENERGY		8.5	8.5	8.5	10.3	9.8	9.7	8.2	7.4	5.7	5.5	5.4
DETROIT EDISON		9.1	9.1	9.9	10.8	10.1	10.0	9.9	9.7	7.0	6.6	6.4
EDISON SAULT ELECTRIC		7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (ST JOSEPH)		7.5	6.4	6.0	9.8	8.0	7.7	7.4	7.2	4.9	4.1	4.0
AEP (THREE RIVERS)		7.9	7.0	6.6	8.1	8.0	7.6	7.2	6.6	5.7	4.6	4.4
NORTHERN STATES POWER		8.4	7.5	7.1	7.6	7.0	7.2	6.3	5.8	5.0	4.9	4.9
UPPER PENINSULA POWER		11.2	10.1	9.5	11.2	10.5	9.5	8.3	7.5	5.9	5.9	5.8
UPPER PENINSULA IRON RIVER		8.7	7.8	7.3	7.4	6.8	7.1	6.3	5.8	5.2	5.2	5.2
WISCONSIN ELECTRIC		10.0	8.8	8.1	8.9	8.0	7.8	7.8	6.5	5.2	4.9	4.7
WISCONSIN PUBLIC SERVICE		7.0	6.3	5.9	7.0	6.2	6.1	6.0	6.0	4.6	4.5	4.4
<u>COOPERATIVES</u>												
ALGER DELTA		10.8	9.1	8.2	8.4	8.7	8.4	7.3	6.7	6.3		
CHERRYLAND		11.5	10.0	9.1	9.8	9.1	9.3	8.4	7.8	7.1		
CLOVERLAND		9.6	8.5	7.7	9.0	8.5	7.8	7.1	6.7	4.8		
GREAT LAKES - BOYNE CITY		11.1	9.9	9.1	10.1	9.5	9.4	8.6	8.1	6.8		
GREAT LAKES - NEWAYGO		10.8	9.7	9.1	8.9	8.4	9.1	8.3	7.7	6.7		
GREAT LAKES - SCOTTVILLE		11.7	10.4	9.8	10.9	10.2	11.0	10.4	10.1	7.1		
MIDWEST ENERGY - FRUITBELT		9.2	7.7	7.0	7.2	6.6	7.0	6.5	6.1	5.1		
MIDWEST ENERGY - SOUTHEASTERN		9.9	8.7	8.0	8.5	7.5	8.5	7.5	6.9	5.5		
ONTONAGON		11.5	10.1	9.4	9.6	9.0	8.7	7.8	7.3	5.1		
PRESQUE ISLE		11.3	9.8	9.1	9.5	8.8	8.7	8.6	8.0	7.1		
THUMB		10.3	9.2	8.6	9.1	8.5	10.1	8.8	8.1	6.6		
TRI COUNTY		13.1	10.7	9.5	10.6	9.0	9.7	8.6	7.9	6.8		
AVERAGE INVESTOR OWNED		8.6	7.8	7.5	8.9	8.2	8.0	7.4	6.9	5.5	5.2	5.1
AVERAGE COOPERATIVE		10.9	9.5	8.7	9.3	8.7	9.0	8.2	7.6	6.2		
AVERAGE ALL COMPANIES		9.8	8.7	8.1	9.1	8.4	8.5	7.8	7.3	5.9	5.2	5.1

		<u>RESIDENTIAL</u>			SMALL COMMERCIAL LARG			OMMERCIAL	<u>'</u>	<u>IN</u>	DUSTRIAL	
	kW				5	25	100	100	100	1000	10000	50000
	kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	28800	<u>36000</u>	<u>432000</u>	4320000	21500000
<u>INVESTOR OWNED</u>												
ALPENA POWER		9.0	8.0	7.5	8.9	8.3	7.9	7.0	6.5	6.1	5.3	5.3
CONSUMERS ENERGY		8.5	8.5	9.4	10.4	9.8	9.7	8.3	7.4	5.8	5.5	5.4
DETROIT EDISON		9.1	9.1	9.8	10.8	10.1	9.9	9.9	9.6	7.0	6.6	6.3
EDISON SAULT ELECTRIC		7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (ST JOSEPH)		7.5	6.4	6.1	9.8	8.0	7.7	7.4	7.2	4.9	4.2	4.0
AEP (THREE RIVERS)		8.6	7.6	7.2	8.1	8.0	7.7	7.2	6.7	5.8	4.9	4.7
NORTHERN STATES POWER		8.1	7.3	7.0	7.6	7.0	7.5	6.6	6.1	5.2	5.2	5.2
UPPER PENINSULA POWER		10.9	9.7	9.2	10.9	10.2	9.1	7.9	7.2	5.6	5.6	5.5
UPPER PENINSULA IRON RIVER		8.6	7.7	7.3	7.3	6.7	7.1	6.2	5.8	5.1	5.1	5.1
WISCONSIN ELECTRIC		10.0	8.8	8.1	8.9	8.0	7.8	7.8	6.5	5.2	4.9	4.7
WISCONSIN PUBLIC SERVICE		6.9	6.1	5.8	6.8	6.0	5.9	5.9	5.9	4.4	4.3	4.3
<u>COOPERATIVES</u>												
ALGER DELTA		10.7	9.0	8.2	8.4	8.7	8.3	7.3	6.7	6.2		
CHERRYLAND		11.5	10.0	9.3	9.8	9.1	9.3	8.4	7.8	7.1		
CLOVERLAND		9.2	8.1	7.3	8.6	8.0	7.4	6.7	6.3	4.3		
GREAT LAKES - BOYNE CITY		11.2	10.0	9.2	10.2	9.6	9.5	8.7	8.2	6.8		
GREAT LAKES - NEWAYGO		10.9	9.8	9.2	9.1	8.6	9.2	8.4	7.9	6.7		
GREAT LAKES - SCOTTVILLE		11.6	10.3	9.7	10.8	10.1	10.8	10.3	9.9	7.1		
MIDWEST ENERGY - FRUITBELT		8.7	7.2	6.4	6.4	5.8	6.2	5.6	5.3	5.1		
MIDWEST ENERGY - SOUTHEASTERN		9.8	8.6	7.9	8.4	7.4	8.4	7.5	6.9	5.4		
ONTONAGON		11.5	10.1	9.4	9.5	8.9	8.6	7.7	7.2	5.0		
PRESQUE ISLE		11.4	9.9	9.2	9.5	8.9	8.8	8.6	8.1	7.1		
THUMB		9.7	8.6	8.1	8.6	8.0	9.5	8.3	7.5	6.1		
TRI COUNTY		11.4	10.2	9.6	10.6	9.8	10.2	9.4	8.9	7.1		
AVERAGE INVESTOR OWNED		8.6	7.8	7.6	8.8	8.1	7.9	7.4	6.8	5.5	5.2	5.1
AVERAGE COOPERATIVE		10.6	9.3	8.6	9.2	8.6	8.9	8.1	7.5	6.2		
AVERAGE ALL COMPANIES		9.6	8.6	8.1	9.0	8.3	8.4	7.7	7.2	5.9	5.2	5.1

	RESIDENTIAL			SMALL COMM	<u>IERCIAL</u>	LARGE C	OMMERCIA	<u>L</u>	<u>IN</u>	DUSTRIAL	
	kW			5	25	100	100	100	1000	10000	50000
k	Wh <u>250</u>	<u>500</u>	1000	<u>1000</u>	<u>5000</u>	<u>21600</u>	28800	36000	432000	4320000	21500000
<u>INVESTOR OWNED</u>											
ALPENA POWER	9.0		7.5	8.9	8.3	7.9	7.0	6.5	6.1	5.3	5.3
CONSUMERS ENERGY	8.5		8.5	10.4	9.8	9.7	8.3	7.4	5.8	5.6	5.5
DETROIT EDISON	9.0	9.0	9.7	10.7	9.9	9.8	9.8	9.5	6.9	6.5	6.2
EDISON SAULT ELECTRIC	7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (ST JOSEPH)	7.5	6.4	6.1	9.8	8.0	7.7	7.4	7.2	4.9	4.2	4.0
AEP (THREE RIVERS)	8.6	7.6	7.2	8.1	8.0	7.7	7.2	6.7	5.8	4.9	4.7
NORTHERN STATES POWER	8.1	7.3	7.0	7.6	7.0	7.5	6.6	6.1	5.2	5.2	5.2
UPPER PENINSULA POWER	10.9	9.7	9.2	10.9	10.2	9.1	7.9	7.2	5.6	5.6	5.5
UPPER PENINSULA IRON RIVER	8.6	7.7	7.3	7.3	6.7	7.1	6.2	5.8	5.1	5.1	5.1
WISCONSIN ELECTRIC	9.4	8.2	7.6	8.5	7.6	7.5	7.5	6.2	4.9	4.6	4.5
WISCONSIN PUBLIC SERVICE	6.9	6.1	5.8	6.8	6.0	5.9	5.9	5.9	4.4	4.3	4.3
<u>COOPERATIVES</u>											
ALGER DELTA	10.7	9.0	8.2	8.4	8.7	8.3	7.3	6.7	6.2		
CHERRYLAND	11.5	10.0	9.1	9.8	9.1	9.3	8.4	7.8	7.1		
CLOVERLAND	9.2	8.1	7.3	8.6	8.0	7.4	6.7	6.3	4.3		
GREAT LAKES - BOYNE CITY	11.2	10.0	9.2	10.2	9.6	9.5	8.7	8.2	6.8		
GREAT LAKES - NEWAYGO	10.9	9.8	9.2	9.1	8.6	9.2	8.4	7.9	6.7		
GREAT LAKES - SCOTTVILLE	11.6	10.3	9.7	10.8	10.1	10.8	10.3	9.9	7.1		
MIDWEST ENERGY - FRUITBELT	8.9	7.4	6.7	6.9	6.3	6.8	6.2	5.8	5.1		
MIDWEST ENERGY - SOUTHEASTERN	9.8	8.6	7.9	8.4	7.4	8.4	7.5	6.9	5.4		
ONTONAGON	11.5	10.1	9.4	9.5	8.9	8.6	7.7	7.2	5.0		
PRESQUE ISLE	11.4	9.9	9.2	9.5	8.9	8.8	8.6	8.1	7.1		
THUMB	9.7	8.6	8.1	8.6	8.0	9.5	8.3	7.5	6.1		
TRI COUNTY	11.4	10.2	9.6	10.6	9.8	10.2	9.4	8.9	7.1		
AVERAGE INVESTOR OWNED	8.5	7.7	7.4	8.8	8.1	7.9	7.3	6.8	5.5	5.2	5.1
AVERAGE COOPERATIVE	10.7		8.6	9.2	8.6	8.9	8.1	7.6	6.2		
AVERAGE ALL COMPANIES	9.6		8.0	9.0	8.4	8.4	7.7	7.2	5.8	5.2	5.1

		RESIDENTIAL	SMALL COMME	LARGE C	<u>OMMERCIA</u>	<u>4<i>L</i></u>	<u>IN</u>	DUSTRIAL			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	21600	28800	<u>36000</u>	<u>432000</u>	4320000	21500000
INVESTOR OWNED											
ALPENA POWER	9.0	7.9	7.4	8.9	8.2	7.8	6.9	6.4	6.0	5.3	5.2
CONSUMERS ENERGY	8.5	8.5	9.4	10.4	9.8	9.7	8.3	7.4	5.8	5.6	5.5
DETROIT EDISON	8.9	8.9	9.7	10.6	9.9	9.8	9.8	9.4	6.7	6.3	6.1
EDISON SAULT ELECTRIC	7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (I&M ST JOSEPH)	7.4	6.3	6.0	9.7	7.9	7.6	7.3	7.1	4.8	4.0	3.9
AEP (I&M THREE RIVERS)	8.4	7.5	7.0	8.0	7.9	7.5	7.0	6.5	5.6	4.7	4.5
NORTHERN STATES POWER	7.7	7.0	6.6	7.5	6.8	7.4	6.7	6.3	5.4	5.4	5.4
UPPER PENINSULA POWER	10.4	9.3	8.8	10.5	9.7	8.7	7.5	6.8	5.2	5.1	5.1
UPPER PENIN IRON RIVER	8.5	7.6	7.2	7.2	6.6	7.0	6.2	5.7	5.1	5.1	5.1
WISCONSIN ELECTRIC	9.4	8.2	7.6	8.5	7.6	7.5	7.5	6.2	4.9	4.6	4.5
WISCONSIN PUBLIC SERVICE	6.9	6.1	5.8	6.8	6.0	5.9	5.9	5.9	4.4	4.3	4.3
<u>COOPERATIVES</u>											
ALGER DELTA	10.5	8.9	8.1	8.6	9.0	8.8	8.0	7.5	7.1		
CHERRYLAND	11.5	10.0	9.3	9.7	9.1	9.3	8.4	7.8	6.7		
CLOVERLAND	9.5	8.4	7.5	8.8	8.3	7.6	7.0	6.6	4.6		
GREAT LAKES NEWAYGO (O&A	10.7	9.7	9.2	8.9	8.2	9.0	8.1	7.6	6.7		
GREAT LAKES HART (OCEANA)	10.9	9.7	9.0	10.1	9.2	10.0	9.2	8.8	7.0		
MIDWEST ENERGY - FRUITBELT	9.1	7.6	6.9	6.8	6.2	6.7	6.1	5.7	5.1		
MIDWEST ENERGY - S'EASTERN	9.5	8.2	7.5	8.1	7.0	8.1	7.1	6.5	5.0		
ONTONAGON	11.5	10.1	9.4	9.6	8.9	8.6	7.8	7.2	5.1		
PRESQUE ISLE	11.3	9.8	9.1	9.5	8.8	8.7	8.6	8.0	7.1		
THUMB	9.3	8.2	7.6	8.1	7.5	9.1	7.8	7.1	5.1		
TOP O'MICHIGAN	11.2	10.0	9.1	10.1	9.5	9.4	8.6	8.1	6.8		
TRI COUNTY	11.2	10.0	9.4	10.5	9.7	10.1	9.3	8.8	7.1		
WESTERN MICH	11.6	10.3	9.7	10.8	10.1	10.8	10.3	9.9	7.1		
AVERAGE INVESTOR OWNED	8.4	7.6	7.4	8.7	8.0	7.8	7.3	6.7	5.4	5.1	5.0
AVERAGE COOPERATIVE	10.6	9.3	8.6	9.2	8.6	8.9	8.2	7.7	6.2		
AVERAGE ALL COMPANIES	9.6	8.5	8.1	9.0	8.3	8.4	7.8	7.2	5.8	5.1	5.0

	<u> </u>	<u>RESIDENTIAL</u>			SMALL COMMERCIAL			<u>4<i>L</i></u>	<u>IN</u>	DUSTRIAL	
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	432000	<u>4320000</u>	21500000
<u>INVESTOR OWNED</u>											
ALPENA POWER	9.0	7.9	7.4	8.9	8.2	7.8	6.9	6.4	6.0	5.3	5.2
CONSUMERS POWER	8.5	8.5	8.5	10.4	9.9	9.8	8.3	7.5	5.8	5.6	5.5
DETROIT EDISON	8.9	8.9	9.7	10.6	9.9	9.8	9.8	9.4	6.7	6.3	6.1
EDISON SAULT ELECTRIC	7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (ST JOSEPH)	7.4	6.3	6.0	9.7	7.9	7.6	7.3	7.1	4.8	4.0	3.9
AEP (THREE RIVERS)	8.4	7.5	7.0	8.0	7.9	7.5	7.0	6.5	5.6	4.7	4.5
NORTHERN STATES POWER	7.7	7.0	6.6	7.5	6.8	6.7	6.7	6.3	5.4	5.4	5.4
UPPER PENINSULA POWER	10.4	9.3	8.8	10.5	9.7	8.7	7.5	6.8	5.2	5.1	5.1
UPPER PENIN IRON RIVER	8.5	7.6	7.2	7.2	6.6	7.0	6.2	5.7	5.1	5.1	5.1
WISCONSIN ELECTRIC	9.4	8.2	7.6	8.5	7.6	7.5	7.5	6.2	4.9	4.6	4.5
WISCONSIN PUBLIC SERVICE	6.9	6.1	5.8	6.8	6.0	5.9	5.9	5.9	4.4	4.3	4.3
<u>COOPERATIVES</u>											
ALGER DELTA	10.5	8.9	8.1	8.6	9.0	8.8	8.0	7.5	7.1		
CHERRYLAND	11.5	10.0	9.1	9.7	9.1	9.3	8.4	7.8	6.7		
CLOVERLAND	9.5	8.4	7.5	8.8	8.3	7.6	7.0	6.6	4.6		
FRUITBELT	9.0	7.5	6.7	7.0	6.4	6.8	6.2	5.9	5.1		
GREAT LAKES (O&A)	10.7	9.7	9.2	8.9	8.2	9.0	8.1	7.6	6.7		
GREAT LAKES (OCEANA)	10.9	9.7	9.0	10.1	9.2	10.0	9.2	8.8	7.0		
ONTONAGON	11.5	10.1	9.4	9.6	8.9	8.6	7.8	7.2	5.1		
PRESQUE ISLE	11.3	9.8	9.1	9.5	8.8	8.7	8.6	8.0	7.1		
SOUTHEASTERN MICHIGAN	9.5	8.2	7.5	8.1	7.0	8.1	7.1	6.5	5.0		
THUMB	10.4	9.3	8.8	9.3	8.7	10.2	9.0	8.2	6.3		
TOP O'MICHIGAN	11.2	10.0	9.1	10.1	9.5	9.4	8.6	8.1	6.8		
TRI COUNTY	11.2	10.0	9.4	10.5	9.7	10.1	9.3	8.8	7.1		
WESTERN MICH	11.6	10.3	9.7	10.8	10.1	10.8	10.3	9.9	7.1		
AVERAGE INVESTOR OWNED	8.4	7.6	7.3	8.7	8.0	7.7	7.3	6.7	5.4	5.1	5.0
AVERAGE COOPERATIVE	10.7	9.4	8.7	9.3	8.7	9.0	8.3	7.8	6.3		
AVERAGE ALL COMPANIES	9.6	8.6	8.1	9.0	8.4	8.4	7.8	7.3	5.9	5.1	5.0

	<u>RESIDENTIAL</u>		SMALL COMMERCIAL		LARGE C	OMMERC	<u>IAL</u>	<u>IN</u>	<u>DUSTRIAL</u>		
kW	7			5	25	100	100	100	1000	10000	50000
kWh	250	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	28800	<u>36000</u>	<u>432000</u>	4320000	21500000
<u>INVESTOR OWNED</u>											
ALPENA POWER	8.9	7.9	7.4	8.8	8.2	7.7	6.9	6.3	6.0	5.2	5.1
CONSUMERS POWER	8.5	8.5	9.3	10.4	9.8	9.7	8.3	7.4	5.7	5.5	5.4
DETROIT EDISON	9.0	9.0	9.7	10.7	10.0	9.8	9.8	9.5	6.8	6.4	6.2
EDISON SAULT ELECTRIC	7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (ST JOSEPH)	7.5	6.4	6.1	9.8	8.0	7.7	7.4	7.2	4.9	4.1	4.0
AEP (THREE RIVERS)	8.4	7.5	7.0	8.0	7.9	7.5	7.0	6.5	5.6	4.7	4.5
NORTHERN STATES POWER	7.5	6.8	6.5	7.3	6.6	6.5	6.5	6.1	5.2	5.2	5.2
UPPER PENINSULA POWER	10.6	9.5	8.9	10.6	9.9	8.9	7.7	6.9	5.4	5.3	5.2
UPPER PENIN IRON RIVER	8.8	7.9	7.5	7.5	6.9	7.3	6.5	6.0	5.4	5.4	5.4
WISCONSIN ELECTRIC	9.4	8.2	7.6	8.5	7.6	7.5	7.5	6.2	4.9	4.6	4.5
WISCONSIN PUBLIC SERVICE	6.8	6.1	5.7	6.8	6.0	5.9	5.9	5.8	4.4	4.3	4.2
<u>COOPERATIVES</u>											
ALGER DELTA	10.5	8.9	8.1	8.6	9.0	8.8	8.0	7.5	7.2		
CHERRYLAND	11.1	9.7	9.0	9.4	8.8	9.0	8.0	7.5	6.4		
CLOVERLAND	9.7	8.6	7.8	9.1	8.6	7.9	7.2	6.8	4.9		
FRUITBELT	9.3	7.8	7.1	7.0	6.4	6.9	6.3	5.9	5.1		
GREAT LAKES (O&A)	10.4	9.4	8.9	8.6	7.9	8.7	7.8	7.3	6.4		
GREAT LAKES (OCEANA)	10.6	9.4	8.7	9.8	8.9	9.7	8.9	8.5	6.8		
ONTONAGON	11.4	10.0	9.3	9.5	8.9	8.5	7.7	7.2	5.0		
PRESQUE ISLE	11.0	9.6	8.8	9.2	8.6	8.5	8.3	7.8	6.8		
SOUTHEASTERN MICHIGAN	10.1	8.8	8.2	8.7	7.6	8.7	7.7	7.1	5.7		
THUMB	10.2	9.1	8.5	9.1	8.4	10.0	8.9	8.2	6.3		
TOP O'MICHIGAN	10.8	9.6	8.7	9.7	9.1	9.0	8.2	7.7	6.8		
TRI COUNTY	10.8	9.6	9.0	10.0	9.2	9.6	8.8	8.3	6.8		
WESTERN MICH	11.6	10.3	9.5	10.5	9.8	10.5	10.0	9.6	6.8		
AVERAGE INVESTOR OWNED	8.4	7.6	7.4	8.7	8.0	7.8	7.3	6.8	5.5	5.1	5.0
AVERAGE COOPERATIVE	10.6	9.3	8.6	9.2	8.6	8.9	8.1	7.6	6.2	5.1	5.0
AVERAGE ALL COMPANIES	9.6	8.5	8.1	9.0	8.3	8.4	7.7	7.2	5.9	5.1	5.0

	<u>RESIDENTIAL</u>			SMALL COMME	LARGE C	OMMERCI.	<u>4L</u>	<u>INDUSTRIAL</u>			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	<u>1000</u>	<u>1000</u>	<u>5000</u>	<u>21600</u>	28800	<u>36000</u>	432000	4320000	21500000
INVESTOR OWNED											
ALPENA POWER	8.9	7.9	7.4	8.8	8.2	7.8	6.9	6.4	6.0	5.3	5.2
CONSUMERS POWER	8.5	8.5	8.5	10.4	9.8	9.7	8.3	7.4	5.7	5.5	5.4
DETROIT EDISON	9.0	9.0	9.7	10.7	10.0	9.8	9.8	9.5	6.8	6.4	6.2
EDISON SAULT ELECTRIC	7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (ST JOSEPH)	7.5	6.4	6.1	9.8	8.0	7.7	7.4	7.2	4.9	4.1	4.0
AEP (THREE RIVERS)	8.4	7.5	7.0	8.0	7.9	7.5	7.0	6.5	5.6	4.7	4.5
NORTHERN STATES POWER	7.5	6.8	6.5	7.3	6.6	6.5	6.5	6.1	5.2	5.2	5.2
UPPER PENINSULA POWER	10.6	9.5	8.9	10.6	9.9	8.9	7.7	6.9	5.4	5.3	5.2
UPPER PENIN IRON RIVER	8.8	7.9	7.5	7.5	6.9	7.3	6.5	6.0	5.4	5.4	5.4
WISCONSIN ELECTRIC	9.4	8.2	7.6	8.5	7.6	7.5	7.5	6.2	4.9	4.6	4.5
WISCONSIN PUBLIC SERVICE	6.8	6.1	5.7	6.8	6.0	5.9	5.9	5.8	4.4	4.3	4.2
<u>COOPERATIVES</u>											
ALGER DELTA	10.7	9.1	8.3	8.8	9.2	8.9	8.1	7.6	7.3		
CHERRYLAND	11.2	9.7	8.8	9.4	8.8	9.0	8.1	7.5	6.5		
CLOVERLAND	9.3	8.2	7.4	8.7	8.1	7.5	6.8	6.4	4.4		
FRUITBELT	8.9	7.4	6.6	6.9	6.3	6.7	6.1	5.8	5.1		
GREAT LAKES (O&A)	10.8	9.8	9.2	8.9	8.3	9.0	8.2	7.7	6.5		
GREAT LAKES (OCEANA)	10.9	9.8	9.1	10.2	9.2	10.0	9.3	8.8	6.8		
ONTONAGON	11.4	10.0	9.3	9.5	8.9	8.5	7.7	7.2	5.0		
PRESQUE ISLE	11.1	9.6	8.9	9.8	9.2	9.0	8.7	8.1	6.9		
SOUTHEASTERN MICHIGAN	10.1	8.8	8.2	8.7	7.6	8.7	7.7	7.1	5.7		
THUMB	10.2	9.1	8.5	9.1	8.4	10.0	8.9	8.2	6.3		
TOP O'MICHIGAN	10.8	9.6	8.8	9.7	9.2	9.1	8.2	7.7	6.9		
TRI COUNTY	10.9	9.7	9.1	10.1	9.3	9.7	8.9	8.4	6.9		
WESTERN MICH	11.6	10.3	9.5	10.5	9.8	10.6	10.0	9.7	6.9		
AVERAGE INVESTOR OWNED	8.4	7.6	7.3	8.7	8.0	7.8	7.3	6.8	5.5	5.1	5.1
AVERAGE COOPERATIVE	10.6	9.3	8.6	9.2	8.6	9.0	8.2	7.7	6.2		
AVERAGE ALL COMPANIES	9.6	8.5	8.0	9.0	8.3	8.4	7.8	7.3	5.9	5.1	5.1

		RESIDENTIAL	SMALL COMMERCIAL		LARGE C	OMMERCI	<u> 4L</u>	<u>INDUSTRIAL</u>			
kW				5	25	100	100	100	1000	10000	50000
kWh	<u>250</u>	<u>500</u>	1000	1000	<u>5000</u>	<u>21600</u>	<u>28800</u>	<u>36000</u>	432000	<u>4320000</u>	21500000
ALPENA POWER	8.7	7.7	7.2	8.6	8.0	7.6	6.7	6.2	5.8	5.1	5.0
CONSUMERS POWER	7.9	7.9	7.9	10.1	9.5	9.4	8.1	7.2	6.0	5.8	5.7
DETROIT EDISON	9.2	9.2	9.9	10.9	10.2	10.0	10.0	9.7	7.0	6.6	6.4
EDISON SAULT ELECTRIC	7.0	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
AEP (ST JOSEPH)	7.5	6.4	6.1	9.7	8.0	7.7	7.3	7.1	4.9	4.1	3.9
AEP (THREE RIVERS)	8.4	7.5	7.1	8.0	7.9	7.5	7.1	6.5	5.6	4.7	4.5
NORTHERN STATES POWER	7.6	6.9	6.6	7.4	6.7	6.6	6.6	6.2	5.3	5.3	5.3
UPPER PENINSULA POWER	10.7	9.6	9.0	10.7	10.0	8.9	7.7	7.0	5.4	5.4	5.3
UPPER PENIN IRON RIVER	10.1	9.2	8.8	8.8	8.2	8.6	7.8	7.3	6.7	6.7	6.7
WISCONSIN ELECTRIC	9.5	8.3	7.7	8.6	7.7	7.6	7.6	6.2	4.9	4.6	4.5
WISCONSIN PUBLIC SERVICE	6.9	6.2	5.8	6.8	6.1	5.9	5.9	5.9	4.5	4.4	4.3
ALGER DELTA	12.1	10.8	10.1	10.9	11.2	10.9	10.2	9.8	9.5		
CHERRYLAND	11.7	10.3	9.3	10.0	9.3	9.5	8.6	8.0	6.8		
CLOVERLAND	9.2	8.1	7.2	8.5	8.0	7.3	6.7	6.3	4.3		
FRUITBELT	9.4	8.0	7.4	8.4	7.8	7.9	7.3	6.9	5.2		
O&A	10.7	9.6	9.0	9.8	9.2	9.8	8.9	8.4	6.8		
OCEANA	11.3	10.2	9.5	10.6	9.6	10.4	9.7	9.2	7.2		
ONTONAGON	12.8	11.4	10.7	10.8	10.2	10.9	10.0	9.5	6.4		
PRESQUE ISLE	11.8	10.4	9.6	10.5	9.9	9.8	9.4	8.9	7.3		
SOUTHEASTERN MICHIGAN	10.4	9.2	8.5	9.0	7.9	9.0	8.0	7.4	6.0		
THUMB	10.3	9.2	8.7	9.2	8.6	10.1	9.0	8.2	6.4		
TOP O'MICHIGAN	11.3	10.1	9.3	10.2	9.6	9.5	8.7	8.2	7.3		
TRI COUNTY	11.2	10.0	9.4	10.5	9.6	10.0	9.2	8.7	7.3		
WESTERN MICH	12.1	10.8	10.0	11.1	10.4	11.1	10.5	10.2	7.3		

	RESIDENTIAL			SMALL COM	LAR	GE COM	//ERCIAL	INDUSTRIAL			
				5	25	100	100	100	1000	10000	50000
	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21500000
ALPENA POWER	8.8	7.8	7.2	8.7	8.1	7.6	6.7	6.2	5.9	5.1	5.0
CONSUMERS POWER	7.6	7.6	7.6	9.9	9.3	9.2	7.8	7.0	5.7	5.5	5.4
DETROIT EDISON	9.3	9.3	10.0	11.0	10.2	10.1	10.1	9.8	7.1	6.6	6.4
EDISON SAULT ELECTRIC	7.1	6.5	6.1	7.8	7.2	7.1	7.1	6.6	6.0	6.0	6.0
IND MICH (ST JOSEPH)	7.4	6.3	6.0	9.7	7.9	7.6	7.3	7.1	4.8	4.0	3.9
IND MICH (THREE RIVERS)	8.5	7.5	7.1	8.0	7.9	7.6	7.1	6.6	5.7	4.7	4.5
NORTHERN STATES POWER	7.6	6.9	6.6	7.4	6.8	6.6	6.6	6.2	5.3	5.3	5.3
UPPER PENINSULA POWER	11.0	9.9	9.3	11.3	10.5	9.6	8.3	7.5	5.8	5.7	5.6
UPPER PENIN IRON RIVER	10.6	9.7	9.3	9.4	8.8	9.4	8.5	7.9	7.3	7.3	7.3
WISCONSIN ELECTRIC	9.8	8.5	7.9	8.8	7.9	7.8	7.8	6.4	5.1	4.8	4.6
WISCONSIN PUBLIC SERVICE	6.9	6.2	5.8	6.8	6.1	5.9	5.9	5.9	4.4	4.3	4.3
ALGER DELTA	11.5	10.2	9.5	10.3	10.6	10.4	9.7	9.2	8.9		
CHERRYLAND	11.7	10.2	9.3	9.9	9.3	9.5	8.6	8.0	7.3		
CLOVERLAND	9.1	8.0	7.2	8.5	8.0	7.3	6.6	6.2	4.3		
FRUITBELT	9.1	7.8	7.1	8.2	7.6	7.6	7.0	6.7	5.3		
O&A	10.7	9.6	9.0	9.8	9.2	9.8	8.9	8.4	6.8		
OCEANA	11.5	10.4	9.7	10.8	10.1	10.7	9.9	9.5	7.3		
ONTONAGON	12.8	11.4	10.7	10.8	10.2	10.9	10.0	9.5	6.5		
PRESQUE ISLE	12.0	10.5	9.8	10.6	10.0	9.9	9.5	9.0	7.3		
SOUTHEASTERN MICHIGAN	10.1	8.9	8.2	8.7	7.7	8.7	7.7	7.1	5.7		
THUMB	10.5	9.4	8.9	9.4	8.8	10.3	9.3	8.7	6.6		
TOP O'MICHIGAN	11.2	10.0	9.2	10.1	9.5	9.4	8.6	8.1	7.3		
TRI COUNTY	11.3	10.1	9.5	10.5	9.7	10.0	9.2	8.8	7.3		
WESTERN MICH	12.1	10.8	10.0	11.0	10.3	11.1	10.5	10.2	7.3		

	RESIDENTIAL			SMALL COMM	LAR	GE COM	MERCIAL	INDUSTRIAL			
			5	25	100	100	100	1000	10000	50000	
	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21500000
ALPENA POWER	9.3	8.2	7.7	9.2	8.5	8.1	7.2	6.7	6.4	5.6	5.5
CONSUMERS POWER	7.2	7.2	7.2	9.7	9.2	9.1	7.7	6.9	5.9	5.6	5.5
DETROIT EDISON	9.3	9.3	10.0	11.0	10.2	10.1	10.1	9.8	7.1	6.6	6.4
EDISON SAULT ELECTRIC	7.0	6.3	6.0	7.7	7.1	6.9	6.9	6.4	5.8	5.8	5.8
IND MICH (ST JOSEPH)	7.1	6.0	5.7	9.4	7.6	7.3	7.0	6.8	4.5	3.7	3.6
IND MICH (THREE RIVERS)	8.4	7.4	7.0	7.9	7.8	7.4	7.0	6.4	5.6	4.6	4.4
NORTHERN STATES POWER	7.6	6.9	6.6	7.4	6.8	6.6	6.6	6.2	5.4	5.3	5.3
UPPER PENINSULA POWER	11.3	10.2	9.6	11.5	10.8	9.9	8.6	7.8	6.0	6.0	5.9
UPPER PENIN IRON RIVER	10.5	9.6	9.1	9.3	8.7	9.2	8.4	7.8	7.1	7.1	7.2
WISCONSIN ELECTRIC	9.9	8.6	7.9	8.9	8.0	7.8	7.8	6.4	5.1	4.8	4.7
WISCONSIN PUBLIC SERVICE	7.1	6.3	6.0	7.0	6.3	6.1	6.1	6.1	4.6	4.5	4.5
ALGER DELTA	12.0	10.6	10.0	10.7	11.0	10.8	10.1	9.7	9.4		
CHERRYLAND	11.8	10.3	9.4	10.0	9.4	9.6	8.7	8.1	7.0		
CLOVERLAND	9.6	8.5	7.6	8.9	8.4	7.7	7.0	6.6	4.7		
FRUITBELT	9.1	7.7	7.1	8.1	7.5	7.5	7.0	6.6	5.5		
O&A	10.4	9.4	8.8	9.6	9.0	9.5	8.7	8.2	7.0		
OCEANA	11.4	10.3	9.6	10.7	10.0	10.6	9.8	9.4	7.0		
ONTONAGON	12.3	10.9	10.2	10.4	10.7	10.5	9.6	9.1	8.7		
ONT EWEN & TROUT CREEK	12.6	11.2	10.5								
PRESQUE ISLE	11.7	10.2	9.5	10.4	9.7	9.6	9.2	8.7	7.0		
SOUTHEASTERN MICHIGAN	10.2	9.0	8.3	8.8	7.8	8.8	7.8	7.3	5.8		
THUMB	10.6	9.5	9.0	9.5	8.9	10.5	9.4	8.7	6.7		
TOP O'MICHIGAN	11.0	9.8	9.0	10.0	9.4	9.3	8.4	7.9	7.0		
TRI COUNTY	11.2	10.0	9.4	10.4	9.5	9.9	9.1	8.6	7.0		
WESTERN MICH	11.8	10.5	9.7	10.7	10.0	10.7	10.2	9.8	7.0		

	RESIDENTIAL			SMALL COM	LAR	GE COM	MERCIAL	INDUSTRIAL			
				5	25	100	100	100	1000	10000	50000
	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21500000
ALPENA POWER	9.3	8.3	7.7	9.2	8.6	8.1	7.3	6.7	6.4	5.6	5.6
CONSUMERS POWER	7.3	7.3	7.3	9.8	9.3	9.2	7.8	7.0	6.0	5.7	5.6
DETROIT EDISON	9.3	9.3	10.1	11.2	10.5	10.3	10.3	10.0	7.5	7.1	6.8
EDISON SAULT ELECTRIC	6.7	6.0	5.7	7.4	6.8	6.7	6.6	6.1	5.6	5.5	5.5
IND MICH (ST JOSEPH)	7.1	6.0	5.6	9.3	7.6	7.3	6.9	6.8	4.5	3.7	3.6
IND MICH (THREE RIVERS)	8.2	7.3	6.8	7.8	7.7	7.3	6.9	6.3	5.4	4.5	4.3
NORTHERN STATES POWER	7.6	6.9	6.6	7.4	6.8	6.6	6.6	6.2	5.4	5.3	5.3
UPPER PENINSULA POWER	10.3	9.2	8.7	10.8	10.1	9.3	8.0	7.2	5.7	5.7	5.6
UPPER PENIN IRON RIVER	9.9	9.1	8.7	9.1	8.5	9.1	8.2	7.8	7.1	7.1	7.2
WISCONSIN ELECTRIC	9.3	8.1	7.5	8.6	7.7	7.6	7.6	6.3	5.0	4.7	4.6
WISCONSIN PUBLIC SERVICE	7.1	6.4	6.0	7.1	6.3	6.2	6.2	6.1	4.7	4.6	4.5
ALGER DELTA	12.5	11.2	10.5	11.3	11.6	11.4	10.7	10.2	9.9		
CHERRYLAND	11.6	10.2	9.2	9.9	9.3	9.5	8.5	8.0	6.9		
CLOVERLAND	9.2	8.1	7.2	8.5	8.0	7.3	6.7	6.3	4.3		
FRUITBELT	9.2	7.9	7.2	8.2	7.7	7.7	7.1	6.7	5.4		
O&A	10.3	9.2	8.7	9.5	8.8	9.4	8.5	8.0	6.9		
OCEANA	11.1	9.9	9.2	10.3	9.6	10.2	9.4	9.0	6.9		
ONTONAGON	13.3	11.9	11.2	11.4	11.7	11.4	10.5	10.0	9.7		
ONT EWEN & TROUT CREEK	13.1	11.7	11.0								
PRESQUE ISLE	11.7	10.2	9.5	10.4	9.7	9.6	9.2	8.7	6.9		
SOUTHEASTERN MICHIGAN	10.1	8.9	8.2	8.7	7.7	8.7	7.7	7.1	5.7		
THUMB	10.7	9.6	9.1	9.6	9.0	10.6	9.5	8.8	6.8		
TOP O'MICHIGAN	10.9	9.7	8.8	9.8	9.2	9.1	8.3	7.8	6.9		
TRI COUNTY	11.1	9.9	9.3	10.2	9.4	9.8	9.0	8.5	6.9		
WESTERN MICH	11.6	10.3	9.5	10.5	9.8	10.5	10.0	9.6	6.9		

	RESIDENTIAL			SMALL COM	MERCIAL	LARGE COMMERCIAL			INDUSTR		
				5	25	100	100	100	1000	10000	50000
	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21500000
ALPENA POWER	8.5	7.5	7.1	8.7	8.1	7.8	6.9	6.5	6.1	6.1	6.1
CONSUMERS POWER	6.8	6.8	6.8	9.3	8.8	8.7	7.3	6.5	5.5	5.2	5.1
DETROIT EDISON	9.7	9.7	10.5	11.6	10.9	10.8	10.8	10.4	7.9	7.5	7.3
EDISON SAULT ELECTRIC	6.9	6.3	5.9	7.6	7.0	6.9	6.9	6.4	5.8	5.8	5.8
INDIANA MICH	6.8	5.7	5.5	9.2	7.3	7.0	6.7	6.5	4.3	3.6	3.5
MICHIGAN POWER	8.2	7.3	6.8	7.8	7.7	7.3	6.9	6.3	5.4	4.5	4.3
NORTHERN STATES POWER	7.5	6.8	6.5	7.3	6.6	6.5	6.5	6.1	5.2	5.2	5.2
UPPER PENINSULA POWER	10.6	9.6	9.1	11.1	10.4	9.6	8.3	7.6	6.1	6.1	6.0
UPPER PENIN IRON RIVER	9.8	9.0	8.6	8.9	8.4	8.9	8.1	7.6	7.0	7.0	7.0
WISCONSIN ELECTRIC	9.4	8.3	7.7	8.8	7.9	7.8	7.8	6.5	5.2	4.9	4.7
WISCONSIN PUBLIC SERVICE	7.2	6.5	6.1	7.2	6.4	6.3	6.2	6.2	4.8	4.7	4.6
ALGER DELTA	12.2	10.9	10.3	11.0	11.3	11.1	10.4	10.0	9.7		
CHERRYLAND	11.6	10.3	9.3	9.9	9.3	9.6	8.7	8.1	7.0		
CLOVERLAND	9.1	8.0	7.2	8.5	8.0	7.3	6.6	6.2	4.3		
FRUITBELT	9.4	8.0	7.4	8.4	7.8	7.8	7.3	6.9	5.7		
O&A	10.3	9.4	8.8	9.8	9.2	9.5	8.7	8.3	7.8		
OCEANA	11.1	10.1	9.4	10.7	9.8	10.3	9.6	9.2	7.0		
ONTONAGON	12.6	11.4	10.7	10.9	11.2	11.0	10.3	9.9	9.6		
ONT EWEN & TROUT CREEK	11.9	10.6	10.0								
PRESQUE ISLE	10.9	9.5	8.8	10.1	9.5	9.4	8.9	8.4	7.0		
SOUTHEASTERN MICHIGAN	10.0	8.8	8.1	8.6	7.6	8.6	7.6	7.0	5.6		
THUMB	11.1	10.0	9.5	10.1	9.5	11.0	9.9	9.2	7.1		
TOP O'MICHIGAN	11.0	9.9	9.0	9.4	8.9	8.8	8.7	8.2	7.0		
TRI COUNTY	10.8	9.7	9.2	10.2	9.4	10.1	9.3	8.9	7.0		
WESTERN MICH	11.9	10.6	9.8	10.9	10.2	10.9	10.3	10.0	7.0		