COMPARISON OF AVERAGE RATES (IN CENTS PER kWh)
FOR MPSC-REGULATED ELECTRIC UTILITIES IN MICHIGAN
September 1, 2026

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED												
ALPENA POWER		20.51	19.16	18.48	18.40	17.29	17.90	15.93	14.59	12.65	9.17	9.13
CONSUMERS ENERGY		27.30	25.40	24.45	23.04	21.69	23.85	20.66	19.30	13.24	11.69	11.22
DTE ELECTRIC		26.40	24.40	23.40	21.55	20.05	17.93	17.77	18.64	10.97	8.88	8.90
AEP (I&M) COMBINED		19.67	17.86	16.95	14.37	22.94	17.58	15.56	14.35	10.45	8.13	7.91
NORTHERN STATES POWER		19.30	17.20	16.15	15.32	13.64	15.66	14.17	13.28	13.32	13.21	13.21
UPPER PENINSULA POWER		32.34	29.04	27.39	30.69	28.50	21.66	19.72	18.56	14.21	12.12	10.43
UMERC (FORMERLY WEPCO)		21.17	18.98	17.88	19.16	17.36	17.06	17.03	14.51	12.02	11.57	9.77
UMERC (FORMERLY WPSC)		21.26	18.59	17.26	15.85	13.50	13.67	13.57	13.51	11.11	10.88	9.74
AVERAGE INVESTOR OWNED		23.49	21.33	20.24	19.80	19.37	18.16	16.80	15.84	12.25	10.71	10.04

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, 2026

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED												
ALPENA POWER		20.41	19.11	18.46	18.38	17.29	17.90	15.93	14.59	12.65	9.17	9.13
CONSUMERS ENERGY		27.20	25.35	24.42	23.02	21.69	23.85	20.66	19.30	13.24	11.69	11.22
DTE ELECTRIC		26.30	24.35	23.38	21.52	20.05	17.93	17.77	18.64	10.97	8.88	8.90
AEP (I&M) COMBINED		19.57	17.81	16.92	14.34	22.94	17.58	15.56	14.35	10.45	8.13	7.91
NORTHERN STATES POWER		19.20	17.15	16.12	15.29	13.64	15.66	14.17	13.28	13.32	13.21	13.21
UPPER PENINSULA POWER		32.24	28.99	27.36	30.66	28.50	21.66	19.72	18.56	14.21	12.12	10.43
UMERC (FORMERLY WEPCO)		20.71	18.50	17.40	18.72	16.88	16.58	16.54	14.04	11.54	11.09	9.28
UMERC (FORMERLY WPSC)		20.83	18.13	16.79	15.43	13.03	13.19	13.09	13.03	10.63	10.39	9.26
AVERAGE INVESTOR OWNED		23.31	21.17	20.11	19.67	19.25	18.04	16.68	15.72	12.12	10.59	9.92

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, 2026

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	20.41	19.11	18.46	18.38	17.29	17.90	15.93	14.59	12.65	9.17	9.13
CONSUMERS ENERGY	27.20	25.35	24.42	23.02	21.69	23.85	20.66	19.30	13.24	11.69	11.23
DTE ELECTRIC	26.30	24.35	23.38	21.52	20.05	17.93	17.77	18.64	10.97	8.88	8.90
AEP (I&M) COMBINED	19.58	17.82	16.94	14.35	22.95	17.59	15.57	14.36	10.46	8.14	7.92
NORTHERN STATES POWER	19.20	17.15	16.12	15.29	13.64	15.66	14.17	13.28	13.32	13.21	13.21
UPPER PENINSULA POWER	32.24	28.99	27.36	30.66	28.50	21.66	19.72	18.56	14.21	12.12	10.43
UMERC (FORMERLY WEPCO)	20.71	18.50	17.40	18.72	16.88	16.58	16.54	14.04	11.54	11.09	9.28
UMERC (FORMERLY WPSC)	20.83	18.13	16.79	15.43	13.03	13.19	13.09	13.03	10.63	10.39	9.26
AVERAGE INVESTOR OWNED	23.31	21.17	20.11	19.67	19.25	18.05	16.68	15.72	12.13	10.59	9.92

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
June 1, 2026

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED												
ALPENA POWER		20.41	19.11	18.46	18.39	17.30	17.90	15.93	14.59	12.65	9.17	9.13
CONSUMERS ENERGY		27.08	25.23	24.30	22.90	21.57	23.73	20.54	19.18	13.12	11.57	11.11
DTE ELECTRIC		26.30	24.35	23.38	21.52	20.05	17.93	17.77	18.64	10.97	8.88	8.90
AEP (I&M) COMBINED		21.04	19.27	18.39	15.80	24.40	19.04	17.02	15.81	11.91	9.59	9.37
NORTHERN STATES POWER		19.20	17.15	16.12	15.29	13.64	15.66	14.17	13.28	13.32	13.21	13.21
UPPER PENINSULA POWER		32.24	28.99	27.36	30.66	28.50	21.66	19.72	18.56	14.21	12.12	10.43
UMERC (FORMERLY WEPCO)		20.74	18.59	17.52	18.80	17.02	16.73	16.69	14.17	11.69	11.24	9.43
UMERC (FORMERLY WPSC)		20.82	18.21	16.90	15.49	13.16	13.33	13.23	13.17	10.77	10.54	9.40
AVERAGE INVESTOR OWNED		23.48	21.36	20.30	19.86	19.45	18.25	16.88	15.93	12.33	10.79	10.12

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, 2026

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED												
ALPENA POWER		21.03	19.73	19.08	19.01	17.92	18.52	16.55	15.21	13.27	9.79	9.75
CONSUMERS ENERGY		24.20	22.35	21.43	20.18	18.85	20.57	17.98	16.98	12.00	10.48	10.06
DTE ELECTRIC		25.65	23.70	22.72	21.52	20.05	17.93	17.77	18.64	10.97	8.88	8.90
AEP (I&M) COMBINED		21.04	19.27	18.39	15.80	24.40	19.04	17.02	15.81	11.91	9.59	9.37
NORTHERN STATES POWER		19.20	17.15	16.12	15.29	13.64	15.66	14.17	13.28	13.32	13.21	13.21
UPPER PENINSULA POWER		32.24	28.99	27.36	30.66	28.50	21.66	19.72	18.56	14.21	12.12	10.43
UMERC (FORMERLY WEPCO)		21.97	19.76	18.66	19.97	18.13	17.84	17.80	15.29	12.80	12.34	10.54
UMERC (FORMERLY WPSC)		22.09	19.39	18.04	16.69	14.28	14.45	14.35	14.29	11.88	11.65	10.51
AVERAGE INVESTOR OWNED		23.42	21.29	20.22	19.89	19.47	18.21	16.92	16.01	12.54	11.01	10.34

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, 2026

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	21.03	19.73	19.08	19.01	17.92	18.52	16.55	15.21	13.27	9.79	9.75
CONSUMERS ENERGY	22.83	20.98	20.06	19.70	18.36	19.01	16.66	15.79	12.19	10.78	10.08
DTE ELECTRIC	25.65	23.70	22.72	21.52	20.05	17.93	17.77	18.64	10.97	8.88	8.90
AEP (I&M) COMBINED	21.04	19.27	18.39	15.80	24.40	19.04	17.02	15.81	11.91	9.59	9.37
NORTHERN STATES POWER	19.20	17.15	16.12	15.29	13.64	15.66	14.17	13.28	13.32	13.21	13.21
UPPER PENINSULA POWER	31.99	28.74	27.11	30.41	28.25	21.41	19.47	18.31	13.95	11.87	10.18
UMERC (FORMERLY WEPCO)	21.84	19.70	18.62	19.90	18.12	17.83	17.79	15.27	12.79	12.34	10.54
UMERC (FORMERLY WPSC)	21.93	19.31	18.00	16.59	14.26	14.44	14.34	14.28	11.88	11.65	10.51
AVERAGE INVESTOR OWNED	23.19	21.07	20.01	19.78	19.37	17.98	16.72	15.82	12.53	11.01	10.32

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
March 1, 2026

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	21.03	19.73	19.08	19.01	17.92	18.52	16.55	15.21	13.27	9.79	9.75
CONSUMERS ENERGY	23.08	21.23	20.31	19.93	18.59	19.22	16.86	15.99	12.35	10.94	10.22
DTE ELECTRIC	24.79	22.84	21.87	20.69	19.22	17.10	16.94	17.74	10.75	8.83	8.86
AEP (I&M) COMBINED	21.04	19.27	18.39	15.80	24.40	19.04	17.02	15.81	11.91	9.59	9.37
NORTHERN STATES POWER	19.12	17.15	16.12	15.22	13.56	15.59	14.10	13.20	13.26	13.15	13.14
UPPER PENINSULA POWER	31.99	28.74	27.11	30.41	28.25	21.41	19.47	18.31	13.95	11.87	10.18
UMERC (FORMERLY WEPCO)	21.97	19.76	18.66	19.97	18.13	17.84	17.80	15.29	12.80	12.34	10.54
UMERC (FORMERLY WPSC)	22.09	19.39	18.04	16.69	14.28	14.45	14.35	14.29	11.88	11.65	10.51
AVERAGE INVESTOR OWNED	23.14	21.01	19.95	19.71	19.29	17.89	16.64	15.73	12.52	11.02	10.32

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, 2026

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED												
ALPENA POWER		21.03	19.73	19.08	19.01	17.92	18.52	16.55	15.21	13.27	9.79	9.75
CONSUMERS ENERGY		22.97	21.12	20.19	19.77	18.46	19.08	16.72	15.81	12.22	10.80	10.08
DTE ELECTRIC		23.16	21.21	20.24	19.07	17.59	15.47	15.31	16.11	9.12	7.21	7.23
AEP (I&M) COMBINED		20.73	18.96	18.08	16.69	21.71	18.42	16.56	15.44	11.81	9.58	9.37
NORTHERN STATES POWER		19.20	17.15	16.12	15.29	13.64	15.66	14.17	13.28	13.32	13.21	13.21
UPPER PENINSULA POWER		31.99	28.74	27.11	30.41	28.25	21.41	19.47	18.31	13.95	11.87	10.18
UMERC (FORMERLY WEPCO)		21.97	19.76	18.66	19.97	18.13	17.84	17.80	15.29	12.80	12.34	10.54
UMERC (FORMERLY WPSC)		22.09	19.39	18.04	16.69	14.28	14.45	14.35	14.29	11.88	11.65	10.51
AVERAGE INVESTOR OWNED		22.89	20.76	19.69	19.61	18.75	17.61	16.37	15.47	12.30	10.81	10.11

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
January 1, 2026

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	21.03	19.73	19.08	19.01	17.92	18.52	16.55	15.21	13.27	9.79	9.75
CONSUMERS ENERGY	22.86	21.01	20.08	19.61	18.23	18.97	16.64	15.64	12.19	10.79	10.08
DTE ELECTRIC	22.96	21.01	20.04	19.57	18.02	15.57	15.39	16.17	9.01	7.19	7.23
AEP (I&M) COMBINED	20.73	18.96	18.08	16.69	21.71	18.42	16.56	15.44	11.81	9.58	9.37
NORTHERN STATES POWER	19.20	17.15	16.12	15.29	13.64	15.66	14.17	13.28	13.32	13.21	13.21
UPPER PENINSULA POWER	31.99	28.74	27.11	30.41	28.25	21.41	19.47	18.31	13.95	11.87	10.18
UMERC (FORMERLY WEPCO)	21.97	19.76	18.66	19.97	18.13	17.84	17.80	15.29	12.80	12.34	10.54
UMERC (FORMERLY WPSC)	22.09	19.39	18.04	16.69	14.28	14.45	14.35	14.29	11.88	11.65	10.51
AVERAGE INVESTOR OWNED	22.85	20.72	19.65	19.65	18.77	17.60	16.36	15.45	12.28	10.80	10.11

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
December 1, 2025

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED												
ALPENA POWER		20.22	18.92	18.27	18.22	17.28	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY		22.39	20.54	19.61	19.20	17.87	18.52	16.16	15.24	11.68	10.26	9.54
DTE ELECTRIC		22.82	20.87	19.89	19.32	17.79	15.43	15.25	16.03	8.93	7.17	7.21
AEP (I&M) COMBINED		20.99	19.23	18.34	17.17	21.93	18.60	16.73	15.61	12.03	9.75	9.53
NORTHERN STATES POWER		18.09	16.04	15.02	14.50	13.28	15.14	13.74	12.89	12.94	12.87	12.86
UPPER PENINSULA POWER		31.32	28.07	26.44	29.74	27.58	20.74	18.80	17.64	13.29	11.20	9.51
UMERC (FORMERLY WEPCO)		19.74	17.53	16.43	17.81	15.98	15.68	15.64	13.06	10.59	10.14	8.33
UMERC (FORMERLY WPSC)		19.75	17.05	15.70	14.20	11.79	12.19	12.09	12.03	9.67	9.45	8.31
AVERAGE INVESTOR OWNED		21.92	19.78	18.71	18.77	17.94	16.76	15.54	14.63	11.47	10.00	9.31

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, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	20.22	18.92	18.27	18.22	17.28	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY	22.39	20.54	19.61	19.20	17.87	18.52	16.16	15.24	11.68	10.26	9.54
DTE ELECTRIC	22.82	20.87	19.89	19.32	17.79	15.43	15.25	16.03	8.93	7.17	7.21
AEP (I&M) COMBINED	20.99	19.23	18.34	17.17	21.93	18.60	16.73	15.61	12.03	9.75	9.53
NORTHERN STATES POWER	18.09	16.04	15.02	14.50	13.28	15.14	13.74	12.89	12.94	12.87	12.86
UPPER PENINSULA POWER	31.32	28.07	26.44	29.74	27.58	20.74	18.80	17.64	13.29	11.20	9.51
UMERC (FORMERLY WEPCO)	20.43	18.28	17.21	18.56	16.78	16.49	16.45	13.86	11.40	10.95	9.15
UMERC (FORMERLY WPSC)	20.41	17.79	16.48	14.92	12.59	13.00	12.90	12.84	10.49	10.27	9.12
AVERAGE INVESTOR OWNED	22.08	19.97	18.91	18.95	18.14	16.96	15.74	14.83	11.67	10.20	9.51

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
October 1, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	20.22	18.92	18.27	18.22	17.28	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY	22.39	20.54	19.61	19.20	17.87	18.52	16.16	15.24	11.68	10.26	9.54
DTE ELECTRIC	22.82	20.87	19.89	19.32	17.79	15.43	15.25	16.03	8.93	7.17	7.21
AEP (I&M) COMBINED	20.99	19.23	18.34	17.17	21.93	18.60	16.73	15.61	12.03	9.75	9.53
NORTHERN STATES POWER	18.09	16.04	15.02	14.50	13.28	15.14	13.74	12.89	12.94	12.87	12.86
UPPER PENINSULA POWER	31.32	28.07	26.44	29.74	27.58	20.74	18.80	17.64	13.29	11.20	9.51
UMERC (FORMERLY WEPCO)	20.84	18.63	17.53	18.92	17.08	16.78	16.74	14.16	11.70	11.24	9.43
UMERC (FORMERLY WPSC)	20.85	18.15	16.81	15.30	12.90	13.30	13.20	13.14	10.77	10.56	9.41
AVERAGE INVESTOR OWNED	22.19	20.06	18.99	19.05	18.21	17.04	15.81	14.91	11.74	10.27	9.58

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, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	20.22	18.92	18.27	18.22	17.28	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY	24.91	23.06	22.13	21.67	20.34	24.18	20.60	18.94	13.08	11.63	10.87
DTE ELECTRIC	23.57	21.62	20.64	19.32	17.79	15.43	15.25	16.03	8.93	7.17	7.21
AEP (I&M) COMBINED	20.99	19.23	18.34	17.17	21.93	18.60	16.73	15.61	12.03	9.75	9.53
NORTHERN STATES POWER	18.09	16.04	15.02	14.50	13.28	15.14	13.74	12.89	12.94	12.87	12.86
UPPER PENINSULA POWER	31.30	28.05	26.42	29.60	27.55	20.71	18.78	17.63	13.26	11.20	9.51
UMERC (FORMERLY WEPCO)	19.57	17.42	16.35	17.70	15.92	15.63	15.59	12.99	10.54	10.09	8.28
UMERC (FORMERLY WPSC)	19.54	16.93	15.62	14.06	11.73	12.13	12.04	11.98	9.62	9.41	8.26
AVERAGE INVESTOR OWNED	22.27	20.16	19.10	19.03	18.23	17.45	16.07	15.08	11.63	10.16	9.46

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, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	20.07	18.85	18.24	18.19	17.27	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY	24.86	23.09	22.20	21.73	20.43	24.28	20.70	19.04	13.18	11.74	10.98
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	20.84	19.15	18.31	17.13	21.93	18.60	16.73	15.61	12.03	9.75	9.53
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)	18.79	16.83	15.86	17.23	15.50	15.24	15.20	12.62	10.15	9.69	7.88
UMERC (FORMERLY WPSC)	18.77	16.32	15.10	13.63	11.32	11.74	11.64	11.58	9.23	9.01	7.88
AVERAGE INVESTOR OWNED	21.98	19.97	18.96	18.91	18.13	17.37	15.99	15.00	11.54	10.07	9.38

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, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	20.07	18.85	18.24	18.19	17.27	17.80	15.86	14.54	12.61	9.16	9.15
CONSUMERS ENERGY	24.87	23.09	22.20	21.74	20.44	24.28	20.71	19.05	13.19	11.75	10.99
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)	18.79	16.83	15.86	17.23	15.50	15.24	15.20	12.62	10.15	9.69	7.88
UMERC (FORMERLY WPSC)	18.77	16.32	15.10	13.63	11.32	11.74	11.64	11.58	9.23	9.01	7.88
AVERAGE INVESTOR OWNED	21.99	19.97	18.97	18.91	18.14	17.37	15.99	15.00	11.54	10.07	9.38

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
June 1, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	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

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, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	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

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, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	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

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
March 1, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	21.52	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

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
January 1, 2025

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
December 1, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	20.54	18.77	17.88	17.65	16.34	16.49	14.28	13.43	10.64	9.28	8.54
DTE ELECTRIC	21.64	19.76	18.83	18.56	17.06	14.72	14.54	15.30	8.84	7.19	7.18
AEP (I&M) COMBINED	20.14	18.45	17.61	16.01	21.34	18.11	16.25	15.14	11.51	9.35	9.24
NORTHERN STATES POWER	17.48	15.50	14.52	14.40	13.16	13.65	12.37	11.59	13.07	12.99	12.98
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)	15.83	13.87	12.89	14.36	12.64	12.37	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	15.13	13.98	13.21	10.65	9.24	8.61

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, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
October 1, 2024

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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		20.65	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

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, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2024

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
June 1, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
March 1, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
January 1, 2024

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
December 1, 2023

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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		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

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, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
October 1, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	20.33	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

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, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2023

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
June 1, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
March 1, 2023

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
January 1, 2023

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
December 1, 2022

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2022

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
October 1, 2022

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2022

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2022

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2022

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
June 1, 2022

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2022

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2022

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
March 1, 2022

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2022

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
January 1, 2022

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
December 1, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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)		16.80	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

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
October 1, 2021

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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		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

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, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
June 1, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
March 1, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
January 1, 2021

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
December 1, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	6.31
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

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
October 1, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	6.31
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

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, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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		17.30	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

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, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
June 1, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
March 1, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
January 1, 2020

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
December 1, 2019

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2019

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
October 1, 2019

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2019

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2019

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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		17.70	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

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, 2019

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
June 1, 2019

		RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	kW				5	25	100	100	100	1,000	10,000	50,000
	kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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		17.25	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

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, 2019

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	17.35	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

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, 2019

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	17.39	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

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
March 1, 2019

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2019

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
January 1, 2019

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
December 1, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	17.14	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

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
October 1, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
June 1, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.94	14.75	14.16	14.60	13.75	13.79	12.45	11.50	10.10	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

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, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
March 1, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
January 1, 2018

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
December 1, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	17.09	15.50	14.71	15.24	13.60	13.78	12.59	11.87	9.44	8.81	7.84
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	28.00	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)	18.17	16.03	14.97	17.09	14.78	14.40	14.35	12.20	10.55	10.11	7.77
UMERC (FORMERLY WPSC)	15.96	13.56	12.36	14.11	11.85	11.63	11.54	11.48	8.99	8.56	7.97
AVERAGE INVESTOR OWNED	18.69	16.51	15.61	15.16	13.52	13.41	12.53	11.74	9.36	8.68	8.13

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
October 1, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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

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, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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
June 1, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	17.22	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

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, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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

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, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	17.06	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

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
March 1, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	17.83	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

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, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	17.37	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

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
January 1, 2017

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	17.30	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

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
December 1, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.71	15.12	14.33	15.17	13.52	13.73	12.58	11.88	8.72	7.92	6.79
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	27.41	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	17.97	15.84	14.78	16.90	14.58	14.21	14.16	12.01	10.36	9.92	7.57
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
COOPERATIVES											
THUMB	16.48	13.89	12.60	12.36	10.90	13.04	11.59	10.73	8.00		
AVERAGE INVESTOR OWNED	18.26	16.21	15.36	14.88	13.46	12.37	11.73	10.97	9.37	8.69	8.13
AVERAGE COOPERATIVE	16.37	13.97	12.77	14.42	13.08	12.39	11.05	11.26	9.78		
AVERAGE ALL COMPANIES	17.68	15.52	14.56	14.74	13.34	12.37	11.52	11.06	9.49	8.68	8.18

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
October 1, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.89	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
COOPERATIVES											
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

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, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	6.66	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	17.54	16.15	16.20	13.51	12.62	12.00	11.95	10.87	8.09	7.35	7.15
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
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	16.37	13.97	12.77	14.42	13.08	12.39	11.05	11.26	9.78		
AVERAGE ALL COMPANIES	17.51	15.44	14.58	14.95	13.56	13.13	12.10	11.54	9.62	8.91	8.40

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, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.25	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
COOPERATIVES											
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

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
June 1, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.34	14.74	15.55	15.52	13.86	14.36	12.97	12.13	9.29	8.49	7.37
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	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

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, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	14.84	13.18	13.50	12.34	11.64	8.67	7.88	6.75
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	14.72	12.90	11.99	-4.35	12.36	11.69	10.89	10.41	9.07	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	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	18.52	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											
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	18.30	16.37	15.49	13.51	13.98	13.64	12.78	11.89	9.77	9.07	8.51
AVERAGE COOPERATIVE	15.87	13.47	12.27	13.92	12.58	11.92	10.58	9.87	9.32		
AVERAGE ALL COMPANIES	17.55	15.48	14.50	13.64	13.55	13.11	12.10	11.27	9.63	8.94	8.43

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, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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		
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

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
March 1, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.66	15.06	14.26	15.13	13.46	13.78	12.62	11.92	8.95	8.13	7.00
DTE ELECTRIC	16.86	15.42	15.46	12.90	11.99	11.37	11.32	10.21	7.70	6.95	6.76
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	14.86	12.92	11.95	12.34	11.16	12.04	10.88	10.18	9.96	9.88	9.87
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	18.52	16.32	15.22	17.40	15.01	14.62	14.57	12.44	10.77	10.33	7.98
WISCONSIN PUBLIC SERVICE	14.22	11.82	10.62	12.59	10.32	10.07	9.97	9.92	8.54	8.14	7.60
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	18.30	16.36	15.48	13.55	14.00	13.64	12.77	11.88	9.81	9.12	8.56
AVERAGE COOPERATIVE	15.87	13.47	12.27	13.92	12.58	11.92	10.58	9.87	9.32		
AVERAGE ALL COMPANIES	17.55	15.47	14.49	13.66	13.56	13.11	12.09	11.26	9.66	8.98	8.48

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
February 1, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.11	13.92	13.32	13.63	12.78	13.12	11.84	10.95	9.08	7.29	6.69
CONSUMERS ENERGY	17.39	15.79	15.00	15.85	14.19	14.51	13.35	12.65	9.68	8.87	7.73
DTE ELECTRIC	16.88	15.18	15.08	12.53	11.52	10.88	10.83	9.71	7.20	6.45	6.26
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	14.46	12.52	11.54	11.92	10.74	11.64	10.48	10.18	9.65	9.57	9.57
UPPER PENINSULA POWER	26.33	23.93	22.73	20.09	18.46	17.41	15.80	14.83	11.79	11.08	10.26
UPPER PENINSULA POWER IRON RIVER	24.95	22.55	21.35	20.09	18.46	17.41	15.80	14.83	11.79	11.08	10.26
WISCONSIN ELECTRIC	18.06	16.18	15.24	16.89	15.05	14.77	14.72	12.56	10.92	10.50	8.16
WISCONSIN PUBLIC SERVICE	14.22	11.82	10.62	12.59	10.32	10.07	9.97	9.92	8.54	8.14	7.60
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	18.02	16.09	15.21	13.27	13.77	13.50	12.63	11.78	9.74	9.05	8.49
AVERAGE COOPERATIVE	15.87	13.47	12.27	13.92	12.58	11.92	10.58	9.87	9.32		
AVERAGE ALL COMPANIES	17.36	15.29	14.31	13.47	13.40	13.01	12.00	11.19	9.61	8.92	8.42

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
January 1, 2016

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.11	13.92	13.32	13.63	12.78	13.12	11.84	10.95	9.08	7.29	6.69
CONSUMERS ENERGY	17.40	15.80	15.01	15.87	14.21	14.52	13.36	12.66	9.69	8.88	7.74
DTE ELECTRIC	15.95	14.56	14.61	12.06	11.17	11.04	11.00	9.77	7.18	6.43	6.23
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	14.86	12.92	11.95	12.34	11.16	12.04	10.88	10.18	9.96	9.88	9.87
UPPER PENINSULA POWER	26.33	23.93	22.73	20.09	18.46	17.41	15.80	14.83	11.79	11.08	10.26
UPPER PENINSULA POWER IRON RIVER	24.95	22.55	21.35	20.09	18.46	17.41	15.80	14.83	11.79	11.08	10.26
WISCONSIN ELECTRIC	18.32	16.31	15.30	17.04	15.08	14.78	14.73	12.60	10.94	10.50	8.16
WISCONSIN PUBLIC SERVICE	14.22	11.82	10.62	12.59	10.32	10.07	9.97	9.92	8.54	8.14	7.60
COOPERATIVES											
CLOVERLAND	15.26	13.46	12.56	12.74	11.67	12.85	11.58	10.92	9.05		
CLOVERLAND (EDISON SAULT LEGACY)	12.08	10.68	9.98	11.21	10.35	10.19	8.58	8.37	7.60	7.54	7.53
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	17.99	16.08	15.21	13.28	13.78	13.57	12.70	11.80	9.77	9.08	8.52
AVERAGE COOPERATIVE	15.80	13.40	12.20	13.84	12.50	11.84	10.52	9.81	9.26		
AVERAGE ALL COMPANIES	17.32	15.26	14.29	13.45	13.39	13.03	12.03	11.19	9.62	8.93	8.43

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
December 1, 2015

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	14.97	13.77	13.18	13.48	12.62	12.97	11.69	10.80	8.93	7.13	6.54
CONSUMERS ENERGY	16.16	14.56	13.77	14.47	12.80	13.14	12.00	11.31	9.03	7.86	6.97
DTE ELECTRIC	15.93	14.54	14.58	12.23	11.39	10.94	10.90	9.72	7.48	7.02	6.84
AEP (I&M) COMBINED	14.29	12.56	11.69	-4.48	12.05	11.40	10.60	10.12	8.75	8.17	9.62
NORTHERN STATES POWER	15.28	13.34	12.37	12.76	11.58	12.46	11.30	10.60	10.38	10.30	10.29
UPPER PENINSULA POWER	26.26	23.86	22.66	20.07	18.46	17.40	15.79	14.83	11.77	11.01	10.19
UPPER PENINSULA POWER IRON RIVER	24.88	22.48	21.28	20.07	18.46	17.40	15.79	14.83	11.77	11.01	10.19
WISCONSIN ELECTRIC	17.55	15.54	14.53	16.28	14.35	14.05	14.01	11.99	10.27	9.79	7.44
WISCONSIN PUBLIC SERVICE	13.66	11.26	10.06	12.02	9.77	9.49	9.40	9.35	8.00	7.60	7.05
COOPERATIVES											
CLOVERLAND	15.26	13.46	12.56	12.74	11.67	12.85	11.58	10.92	9.05		
CLOVERLAND (EDISON SAULT LEGACY)	12.08	10.68	9.98	11.21	10.35	10.19	8.58	8.37	7.60	7.54	7.53
MIDWEST ENERGY	19.37	15.58	13.68	18.67	16.70	11.49	10.54	9.43	12.59		
THUMB	16.40	13.80	12.50	12.27	10.80	12.94	11.50	10.63	7.91		
AVERAGE INVESTOR OWNED	17.67	15.77	14.90	12.99	13.50	13.25	12.39	11.51	9.60	8.88	8.35
AVERAGE COOPERATIVE	15.78	13.38	12.18	13.72	12.38	11.87	10.55	9.84	9.29		
AVERAGE ALL COMPANIES	17.08	15.03	14.06	13.21	13.15	12.82	11.82	10.99	9.50	8.74	8.27

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, 2015

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	14.97	13.77	13.18	13.48	12.62	12.97	11.69	10.80	8.93	7.13	6.54
CONSUMERS ENERGY	16.37	14.77	13.98	14.68	13.01	13.34	12.20	11.52	9.23	8.07	7.18
DTE ELECTRIC	16.10	14.62	14.63	12.42	11.44	10.95	10.91	9.72	7.48	7.02	6.84
AEP (I&M) COMBINED	14.33	12.60	11.73	-4.33	12.08	11.41	10.60	10.12	8.70	8.16	9.62
NORTHERN STATES POWER	15.28	13.34	12.37	12.76	11.58	12.46	11.30	10.60	10.38	10.30	10.29
UPPER PENINSULA POWER	26.26	23.86	22.66	20.07	18.46	17.40	15.79	14.83	11.77	11.01	10.19
UPPER PENINSULA POWER IRON RIVER	24.88	22.48	21.28	20.07	18.46	17.40	15.79	14.83	11.77	11.01	10.19
WISCONSIN ELECTRIC	17.67	15.72	14.75	16.45	14.59	14.30	14.26	12.22	10.52	10.04	7.69
WISCONSIN PUBLIC SERVICE	13.88	11.48	10.28	12.24	9.99	9.71	9.62	9.57	8.22	7.82	7.28
COOPERATIVES											
CLOVERLAND	15.26	13.46	12.56	12.74	11.67	12.85	11.58	10.92	9.05		
CLOVERLAND (EDISON SAULT LEGACY)	12.08	10.68	9.98	11.21	10.35	10.19	8.58	8.37	7.60	7.54	7.53
MIDWEST ENERGY	19.37	15.58	13.68	18.67	16.70	11.49	10.54	9.43	12.59		
THUMB	16.40	13.80	12.50	12.27	10.80	12.94	11.50	10.63	7.91		
AVERAGE INVESTOR OWNED	17.75	15.85	14.98	13.09	13.58	13.33	12.46	11.58	9.67	8.95	8.42
AVERAGE COOPERATIVE	15.78	13.38	12.18	13.72	12.38	11.87	10.55	9.84	9.29		
AVERAGE ALL COMPANIES	17.14	15.09	14.12	13.29	13.21	12.88	11.88	11.04	9.55	8.81	8.33

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
October 1, 2015

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

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, 2015

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	14.97	13.77	13.18	13.48	12.62	12.97	11.69	10.80	8.93	7.13	6.54
CONSUMERS ENERGY	16.59	15.00	15.60	15.90	14.23	15.49	14.12	13.30	11.52	10.35	9.47
DTE ELECTRIC	16.10	14.62	14.63	12.42	11.44	10.95	10.91	9.72	7.48	7.02	6.84
AEP (I&M) COMBINED	13.00	11.27	10.41	11.12	10.66	10.02	9.33	8.92	7.99	7.64	7.53
NORTHERN STATES POWER	15.28	13.34	12.37	12.76	11.58	12.46	11.30	10.60	10.38	10.30	10.29
UPPER PENINSULA POWER	25.44	23.04	21.84	19.25	17.64	16.58	14.97	14.01	10.95	10.19	9.36
UPPER PENINSULA POWER IRON RIVER	24.06	21.66	20.46	19.25	17.64	16.58	14.97	14.01	10.95	10.19	9.36
WISCONSIN ELECTRIC	17.92	15.98	15.01	16.71	14.85	14.55	14.51	12.48	10.77	10.30	7.95
WISCONSIN PUBLIC SERVICE	14.06	11.66	10.46	12.42	10.17	9.89	9.80	9.75	8.40	8.00	7.45
COOPERATIVES											
CLOVERLAND	15.71	13.91	13.01	13.19	12.12	13.30	12.03	11.37	9.50		
CLOVERLAND (EDISON SAULT LEGACY)	12.53	11.13	10.43	11.66	10.80	10.64	9.03	8.82	8.05	7.99	7.98
MIDWEST ENERGY	19.37	15.58	13.68	18.67	16.70	11.49	10.54	9.43	12.59		
THUMB	16.40	13.80	12.50	12.27	10.80	12.94	11.50	10.63	7.91		
AVERAGE INVESTOR OWNED	17.49	15.59	14.88	14.81	13.42	13.28	12.40	11.51	9.71	9.01	8.31
AVERAGE COOPERATIVE	16.00	13.60	12.40	13.95	12.60	12.09	10.78	10.06	9.51		
AVERAGE ALL COMPANIES	17.03	14.98	14.12	14.55	13.17	12.91	11.90	11.06	9.65	8.91	8.28

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, 2015

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	14.97	13.77	13.18	13.48	12.62	12.97	11.69	10.80	8.93	7.13	6.54
CONSUMERS ENERGY	16.62	15.03	15.63	15.93	14.27	15.52	14.15	13.33	11.55	10.38	9.50
DTE ELECTRIC	17.68	16.20	16.20	13.99	13.02	12.53	12.49	11.30	9.06	8.59	8.42
AEP (I&M) COMBINED	13.00	11.27	10.40	11.12	10.66	10.02	9.33	8.92	7.99	7.64	7.53
NORTHERN STATES POWER	14.76	13.01	12.14	12.64	11.56	12.46	11.30	10.60	10.38	10.30	10.29
UPPER PENINSULA POWER	25.44	23.04	21.84	19.25	17.64	16.58	14.97	14.01	10.95	10.19	9.36
UPPER PENINSULA POWER IRON RIVER	24.06	21.66	20.46	19.25	17.64	16.58	14.97	14.01	10.95	10.19	9.36
WISCONSIN ELECTRIC	17.91	15.90	14.90	16.64	14.72	14.42	14.37	12.36	10.64	10.15	7.80
WISCONSIN PUBLIC SERVICE	14.06	11.66	10.46	12.42	10.17	9.89	9.80	9.75	8.40	8.00	7.45
COOPERATIVES											
CLOVERLAND	15.71	13.91	13.01	13.19	12.12	13.30	12.03	11.37	9.50		
CLOVERLAND (EDISON SAULT LEGACY)	12.53	11.13	10.43	11.66	10.80	10.64	9.03	8.82	8.05	7.99	7.98
MIDWEST ENERGY	19.37	15.58	13.68	18.67	16.70	11.49	10.54	9.43	12.59		
THUMB	16.39	13.80	12.50	12.27	10.80	12.94	11.50	10.63	7.91		
AVERAGE INVESTOR OWNED	17.61	15.73	15.02	14.97	13.59	13.44	12.56	11.67	9.87	9.18	8.47
AVERAGE COOPERATIVE	16.00	13.60	12.40	13.95	12.60	12.09	10.78	10.06	9.51		
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

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, 2015

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

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
June 1, 2015

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.06	13.82	13.20	13.73	12.67	12.99	11.70	10.81	8.93	7.13	6.54
CONSUMERS ENERGY	16.16	14.57	15.17	15.88	14.21	15.47	14.10	13.28	11.25	10.08	9.20
DTE ELECTRIC	15.93	14.77	14.85	13.32	12.45	11.98	11.95	11.02	9.12	8.57	8.29
AEP (I&M) COMBINED	13.00	11.27	10.40	11.12	10.66	10.02	9.33	8.92	7.99	7.64	7.53
NORTHERN STATES POWER	14.76	13.01	12.14	12.64	11.56	12.46	11.30	10.60	10.38	10.30	10.29
UPPER PENINSULA POWER	23.63	21.23	20.03	17.47	15.84	14.81	13.19	12.22	9.14	8.39	7.56
UPPER PENINSULA POWER IRON RIVER	22.25	19.85	18.65	17.47	15.84	14.81	13.19	12.22	9.14	8.39	7.56
WISCONSIN ELECTRIC	16.22	14.27	13.30	15.00	13.14	12.85	12.80	10.77	9.06	8.59	6.24
WISCONSIN PUBLIC SERVICE	14.07	11.67	10.47	12.43	10.17	9.89	9.80	9.75	8.40	8.00	7.45
COOPERATIVES											
CLOVERLAND	15.26	13.46	12.56	12.74	11.67	12.85	11.58	10.92	9.05		
CLOVERLAND (EDISON SAULT LEGACY)	12.08	10.68	9.98	11.21	10.35	10.19	8.58	8.37	7.60	7.54	7.53
MIDWEST ENERGY	19.37	15.58	13.68	18.67	16.70	11.49	10.54	9.43	12.59		
THUMB	16.39	13.80	12.50	12.27	10.80	12.94	11.50	10.63	7.91		
AVERAGE INVESTOR OWNED	16.79	14.94	14.25	14.34	12.95	12.81	11.93	11.07	9.27	8.56	7.85
AVERAGE COOPERATIVE	15.77	13.38	12.18	13.72	12.38	11.87	10.55	9.84	9.29		
AVERAGE ALL COMPANIES	16.48	14.46	13.61	14.15	12.77	12.52	11.50	10.69	9.28	8.46	7.82

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, 2015

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.31	14.07	13.45	13.98	12.92	13.24	11.95	11.06	9.18	7.38	6.79
CONSUMERS ENERGY	16.09	14.50	13.70	14.90	13.24	13.57	12.43	11.75	9.17	8.00	7.12
DTE ELECTRIC	15.93	14.77	14.85	13.32	12.45	11.98	11.95	11.02	9.12	8.57	8.29
AEP (I&M) COMBINED	13.08	11.35	10.48	11.19	10.74	10.10	9.41	8.99	8.04	7.70	7.59
NORTHERN STATES POWER	14.76	13.01	12.14	12.64	11.56	12.46	11.30	10.60	10.38	10.30	10.29
UPPER PENINSULA POWER	23.63	21.23	20.03	17.47	15.84	14.81	13.19	12.22	9.14	8.39	7.56
UPPER PENINSULA POWER IRON RIVER	22.25	19.85	18.65	17.47	15.84	14.81	13.19	12.22	9.14	8.39	7.56
WISCONSIN ELECTRIC	18.09	16.08	15.07	16.82	14.89	14.59	14.55	12.53	10.81	10.33	7.98
WISCONSIN PUBLIC SERVICE	14.07	11.67	10.47	12.43	10.17	9.89	9.80	9.75	8.40	8.00	7.45
COOPERATIVES											
CLOVERLAND	15.26	13.46	12.56	12.74	11.67	12.85	11.58	10.92	9.05		
CLOVERLAND (EDISON SAULT LEGACY)	12.08	10.68	9.98	11.21	10.35	10.19	8.58	8.37	7.60	7.54	7.53
MIDWEST ENERGY	19.37	15.58	13.68	18.67	16.70	11.49	10.54	9.43	12.59		
THUMB	16.39	13.80	12.50	12.27	10.80	12.94	11.50	10.63	7.91		
AVERAGE INVESTOR OWNED	17.02	15.17	14.32	14.47	13.07	12.83	11.97	11.13	9.27	8.56	7.85
AVERAGE COOPERATIVE	15.77	13.38	12.18	13.72	12.38	11.87	10.55	9.84	9.29		
AVERAGE ALL COMPANIES	16.64	14.62	13.66	14.24	12.86	12.53	11.54	10.73	9.27	8.46	7.82

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, 2015

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

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
March 1, 2015

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

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, 2015

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.31	14.07	13.45	13.98	12.92	13.24	11.95	11.06	9.18	7.38	6.79
CONSUMERS ENERGY	16.15	14.56	13.76	14.97	13.30	13.63	12.49	11.81	9.24	8.07	7.18
DTE ELECTRIC	15.93	14.77	14.85	13.32	12.45	11.98	11.95	11.02	9.12	8.57	8.29
AEP (I&M) COMBINED	12.99	11.26	10.40	11.30	10.84	10.20	9.51	9.09	8.11	7.72	7.61
NORTHERN STATES POWER	14.16	12.43	11.57	11.75	10.75	11.67	10.54	9.87	9.98	9.90	9.89
UPPER PENINSULA POWER	26.25	23.85	22.65	20.09	18.46	17.43	15.81	14.84	11.77	11.01	10.19
UPPER PENINSULA POWER IRON RIVER	24.87	22.47	21.27	20.09	18.46	17.43	15.81	14.84	11.77	11.01	10.19
WISCONSIN ELECTRIC	18.71	16.39	15.23	17.99	15.13	14.64	14.58	12.50	10.82	10.33	7.98
WISCONSIN PUBLIC SERVICE	12.54	10.74	9.84	11.67	9.65	9.45	9.38	9.33	8.45	8.15	7.58
COOPERATIVES											
CLOVERLAND	15.26	13.46	12.56	12.74	11.67	12.85	11.58	10.92	9.05		
CLOVERLAND (EDISON SAULT LEGACY)	12.08	10.68	9.98	11.21	10.35	10.19	8.58	8.37	7.60	7.54	7.53
MIDWEST ENERGY	19.37	15.58	13.68	18.67	16.70	11.49	10.54	9.43	12.59		
THUMB	16.39	13.80	12.50	12.27	10.80	12.94	11.50	10.63	7.91		
AVERAGE INVESTOR OWNED	17.44	15.62	14.78	15.02	13.55	13.30	12.45	11.60	9.83	9.13	8.41
AVERAGE COOPERATIVE	15.77	13.38	12.18	13.72	12.38	11.87	10.55	9.84	9.29		
AVERAGE ALL COMPANIES	16.92	14.93	13.98	14.62	13.19	12.86	11.86	11.06	9.66	8.97	8.32

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
January 1, 2015

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

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
December 1, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.17	13.93	13.31	13.84	12.79	13.10	11.82	10.93	9.06	7.25	6.66
CONSUMERS ENERGY	16.78	15.19	14.39	15.60	13.93	14.26	13.12	12.44	9.86	8.70	7.81
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	12.58	10.85	9.98	10.89	10.42	9.78	9.09	8.68	7.70	7.30	7.19
NORTHERN STATES POWER	14.51	12.78	11.91	12.09	11.10	12.01	10.89	10.21	10.32	10.24	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	17.63	15.06	13.78	16.79	13.63	13.09	13.03	11.00	9.28	8.76	6.41
WISCONSIN PUBLIC SERVICE	12.23	10.43	9.53	11.36	9.34	9.14	9.07	9.02	8.14	7.84	7.26
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	19.43	15.63	13.74	18.36	16.38	11.74	10.79	10.22	12.85		
THUMB	16.73	14.13	12.83	13.03	11.57	14.14	12.70	11.83	8.80		
AVERAGE INVESTOR OWNED	17.06	15.22	14.37	14.83	13.33	13.02	12.18	11.33	9.45	8.86	8.14
AVERAGE COOPERATIVE	15.90	13.50	12.30	14.01	12.67	12.32	10.95	10.35	9.65		
AVERAGE ALL COMPANIES	16.70	14.69	13.73	14.58	13.13	12.81	11.80	11.03	9.51	8.73	8.09

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, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.17	13.93	13.31	13.84	12.79	13.10	11.82	10.93	9.06	7.25	6.66
CONSUMERS ENERGY	16.84	15.24	14.45	15.64	13.97	14.30	13.16	12.48	9.92	8.75	7.86
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	12.58	10.85	9.98	10.89	10.42	9.78	9.09	8.68	7.70	7.30	7.19
NORTHERN STATES POWER	14.51	12.78	11.91	12.09	11.10	12.01	10.89	10.21	10.32	10.24	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	11.36	9.34	9.14	9.07	9.02	8.14	7.84	7.26
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	19.43	15.63	13.74	18.36	16.38	11.74	10.79	10.22	12.85		
THUMB	16.73	14.13	12.83	13.03	11.57	14.14	12.70	11.83	8.80		
AVERAGE INVESTOR OWNED	17.05	15.21	14.37	14.82	13.33	13.03	12.18	11.33	9.45	8.86	8.15
AVERAGE COOPERATIVE	16.10	13.70	12.51	14.22	12.87	12.52	11.16	10.56	9.86		
AVERAGE ALL COMPANIES	16.76	14.75	13.79	14.63	13.19	12.87	11.87	11.09	9.58	8.78	8.13

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
October 1, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	14.78	13.74	13.21	13.74	12.77	13.09	11.81	10.92	9.06	7.25	6.66
CONSUMERS ENERGY	16.83	15.24	14.44	15.62	13.96	14.29	13.15	12.47	9.91	8.74	7.86
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	12.58	10.85	9.98	10.89	10.42	9.78	9.09	8.68	7.70	7.30	7.19
NORTHERN STATES POWER	14.51	12.78	11.91	12.09	11.10	12.01	10.89	10.21	10.32	10.24	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	17.63	15.06	13.78	16.79	13.63	13.09	13.03	11.00	9.28	8.76	6.41
WISCONSIN PUBLIC SERVICE	12.23	10.43	9.53	11.36	9.34	9.14	9.07	9.02	8.14	7.84	7.26
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	19.43	15.63	13.74	18.36	16.38	11.74	10.79	10.22	12.85		
THUMB	15.75	13.55	12.46	12.62	11.25	13.83	12.38	11.52	8.54		
AVERAGE INVESTOR OWNED	17.03	15.20	14.36	14.82	13.33	13.03	12.18	11.34	9.45	8.86	8.15
AVERAGE COOPERATIVE	15.86	13.56	12.41	14.11	12.80	12.44	11.08	10.48	9.79		
AVERAGE ALL COMPANIES	16.67	14.70	13.76	14.60	13.17	12.85	11.84	11.07	9.56	8.78	8.13

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, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.85	15.25	15.85	16.53	14.87	16.13	14.76	13.93	11.92	10.75	9.87
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	12.63	10.89	10.03	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	24.93	22.53	21.33	19.63	18.00	16.77	15.16	14.19	10.62	10.37	9.55
UPPER PENINSULA POWER IRON RIVER	23.51	21.11	19.91	19.63	18.00	16.77	15.16	14.19	10.62	10.37	9.55
WISCONSIN ELECTRIC	17.63	15.06	13.78	16.79	13.63	13.09	13.03	11.00	9.28	8.76	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	15.54	13.74	12.84	13.40	12.33	13.15	11.88	11.12	9.50		
CLOVERLAND (EDISON SAULT LEGACY)	12.30	10.90	10.20	11.67	10.81	10.64	8.85	8.64	7.87	7.80	7.80
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	17.01	15.19	14.50	14.92	13.41	13.21	12.34	11.48	9.65	9.06	8.34
AVERAGE COOPERATIVE	15.68	13.38	12.23	12.93	11.61	12.33	10.96	10.36	9.67		
AVERAGE ALL COMPANIES	16.60	14.63	13.80	14.31	12.86	12.94	11.91	11.13	9.66	8.93	8.29

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, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.92	15.32	15.92	16.62	14.95	16.20	14.83	14.00	11.87	10.68	9.78
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	12.63	10.89	10.03	11.01	10.45	9.79	9.10	8.68	7.72	7.31	7.19
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	25.04	22.64	21.44	19.71	18.12	16.88	15.27	14.30	10.75	10.50	9.68
UPPER PENINSULA POWER IRON RIVER	23.62	21.22	20.02	19.71	18.12	16.88	15.27	14.30	10.75	10.50	9.68
WISCONSIN ELECTRIC	17.63	15.06	13.78	16.79	13.63	13.09	13.03	11.00	9.28	8.76	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	15.54	13.74	12.84	13.40	12.33	13.15	11.88	11.12	9.50		
CLOVERLAND (EDISON SAULT LEGACY)	12.30	10.90	10.20	11.67	10.81	10.64	8.85	8.64	7.87	7.80	7.80
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	17.03	15.21	14.53	14.95	13.45	13.25	12.38	11.52	9.66	9.06	8.34
AVERAGE COOPERATIVE	15.68	13.38	12.23	12.93	11.61	12.33	10.96	10.36	9.67		
AVERAGE ALL COMPANIES	16.61	14.65	13.82	14.33	12.88	12.97	11.94	11.16	9.66	8.93	8.29

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
June 1, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.63	14.93	15.48	16.21	14.53	15.73	14.35	13.54	11.52	10.31	9.41
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	12.63	10.89	10.03	11.01	10.45	9.79	9.10	8.68	7.72	7.31	7.19
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	25.15	22.75	21.55	19.82	18.23	16.99	15.38	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	15.38	14.41	10.85	10.61	9.79
WISCONSIN ELECTRIC	18.82	16.25	14.97	17.99	14.82	14.28	14.22	12.19	10.47	9.95	7.60
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	19.12	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	17.15	15.32	14.64	15.06	13.56	13.36	12.48	11.62	9.78	9.18	8.46
AVERAGE COOPERATIVE	15.78	13.48	12.33	13.03	11.71	12.43	11.06	10.46	9.77		
AVERAGE ALL COMPANIES	16.73	14.76	13.93	14.44	12.99	13.07	12.04	11.26	9.77	9.06	8.41

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, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.63	14.93	14.08	15.32	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	12.70	10.96	10.10	11.08	10.52	9.86	9.17	8.75	7.79	7.38	7.26
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	25.15	22.75	21.55	19.82	18.23	16.99	15.38	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	15.38	14.41	10.85	10.61	9.79
WISCONSIN ELECTRIC	18.82	16.25	14.97	17.99	14.82	14.28	14.22	12.19	10.47	9.95	7.60
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	19.12	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	17.16	15.33	14.49	14.97	13.46	13.16	12.31	11.47	9.56	8.96	8.24
AVERAGE COOPERATIVE	15.78	13.48	12.33	13.03	11.71	12.43	11.06	10.46	9.77		
AVERAGE ALL COMPANIES	16.74	14.76	13.83	14.37	12.92	12.94	11.93	11.16	9.63	8.87	8.22

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, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	16.63	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	12.70	10.96	10.10	11.08	10.52	9.86	9.17	8.75	7.79	7.38	7.26
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	25.15	22.75	21.55	19.82	18.23	16.99	15.38	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	15.38	14.41	10.85	10.61	9.79
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	12.23	10.43	9.53	11.39	9.35	9.19	9.11	9.05	8.17	7.84	7.24
COOPERATIVES											
CLOVERLAND	15.54	13.74	12.84	13.40	12.33	13.15	11.88	11.12	9.50		
CLOVERLAND (EDISON SAULT LEGACY)	12.30	10.90	10.20	11.67	10.81	10.64	8.85	8.64	7.87	7.80	7.80
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	17.29	15.46	14.61	15.09	13.59	13.29	12.44	11.59	9.69	9.09	8.36
AVERAGE COOPERATIVE	15.68	13.38	12.23	12.93	11.61	12.33	10.96	10.36	9.67		
AVERAGE ALL COMPANIES	16.79	14.82	13.88	14.43	12.98	12.99	11.98	11.21	9.68	8.96	8.31

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
March 1, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	16.63	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

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, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	13.98	15.21	13.53	13.81	12.66	11.98	9.42	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	10.95	10.28	10.15	10.07	10.06
UPPER PENINSULA POWER	25.15	22.75	21.55	19.82	18.23	16.99	15.38	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	15.38	14.41	10.85	10.61	9.79
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	12.23	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	8.65	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	17.26	15.43	14.59	15.10	13.59	13.29	12.43	11.59	9.68	9.08	8.36
AVERAGE COOPERATIVE	15.58	13.28	12.13	12.83	11.51	12.23	10.86	10.26	9.57		
AVERAGE ALL COMPANIES	16.75	14.77	13.84	14.40	12.95	12.96	11.95	11.18	9.65	8.93	8.28

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
January 1, 2014

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	10.95	10.28	10.15	10.07	10.06
UPPER PENINSULA POWER	25.15	22.75	21.55	19.82	18.23	16.99	15.38	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	15.38	14.41	10.85	10.61	9.79
WISCONSIN ELECTRIC	19.77	17.20	15.92	18.94	15.77	15.23	15.17	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	8.65	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	17.27	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	10.86	10.26	9.57		
AVERAGE ALL COMPANIES	16.75	14.78	13.84	14.40	12.95	12.96	11.96	11.19	9.65	8.94	8.29

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
December 1, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.47	14.77	13.92	15.16	13.48	13.75	12.61	11.93	9.40	8.17	7.28
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	11.00	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	10.45	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	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	16.77	14.94	14.10	14.82	13.32	13.06	12.21	11.36	9.36	8.78	8.05
AVERAGE COOPERATIVE	14.20	12.13	11.09	11.98	10.69	11.31	10.61	9.95	9.06		
AVERAGE ALL COMPANIES	15.98	14.08	13.18	13.94	12.51	12.52	11.72	10.93	9.27	8.65	8.00

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
October 1, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.52	14.82	13.97	15.46	13.77	14.02	12.88	12.20	9.64	8.41	7.51
DTE ELECTRIC	17.64	15.84	15.60	14.92	13.15	12.45	12.40	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	22.87	20.67	19.57	18.61	17.05	15.98	14.39	13.43	9.74	9.62	8.77
UPPER PENINSULA POWER IRON RIVER	21.40	19.20	18.10	18.54	16.99	16.43	14.84	13.88	9.74	9.62	8.77
WISCONSIN ELECTRIC	19.48	16.91	15.63	18.49	15.47	14.96	14.90	12.84	11.01	10.52	8.17
WISCONSIN PUBLIC SERVICE	11.72	9.92	9.02	10.87	8.85	8.67	8.59	8.55	7.68	7.35	6.75
COOPERATIVES											
CLOVERLAND	13.29	11.49	10.59	11.41	10.34	10.45	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	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	16.80	14.95	14.10	14.87	13.34	13.07	12.22	11.38	9.36	8.78	8.06
AVERAGE COOPERATIVE	14.20	12.13	11.09	11.98	10.69	11.31	10.61	9.95	9.06		
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

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, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.47	14.77	15.32	16.06	14.38	15.58	14.20	13.39	11.40	10.18	9.28
DTE ELECTRIC	17.24	15.56	15.38	14.91	13.30	12.64	12.59	11.70	9.64	9.05	8.77
AEP (I&M) COMBINED	12.75	11.08	10.25	11.36	11.31	10.36	9.64	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	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	14.46	13.50	9.36	8.80	7.95
WISCONSIN ELECTRIC	19.32	16.83	15.59	18.37	15.44	14.95	14.89	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

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, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.07	14.57	15.22	15.96	14.36	15.57	14.20	13.39	11.40	10.18	9.28
DTE ELECTRIC	16.76	15.32	15.26	14.80	13.28	12.64	12.59	11.70	9.64	9.05	8.77
AEP (I&M) COMBINED	12.35	10.89	10.15	11.26	11.29	10.35	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	22.33	20.13	19.03	18.58	17.02	15.96	14.36	13.40	9.71	9.06	8.21
UPPER PENINSULA POWER IRON RIVER	20.64	18.44	17.34	18.17	16.61	16.06	14.46	13.50	9.36	8.80	7.95
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	12.15	10.35	9.45	11.29	9.28	9.07	9.00	8.96	8.15	7.78	7.17
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	16.51	14.75	14.09	14.90	13.42	13.27	12.39	11.53	9.60	8.90	8.18
AVERAGE COOPERATIVE	15.00	13.03	12.04	12.93	11.68	12.31	11.61	10.95	10.06		
AVERAGE ALL COMPANIES	16.04	14.22	13.46	14.29	12.89	12.97	12.15	11.35	9.74	8.97	8.31

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, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	16.07	14.57	15.22	15.96	14.36	15.57	14.20	13.39	11.40	10.18	9.28
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	12.35	10.89	10.15	11.26	11.29	10.35	9.64	9.21	8.17	7.71	7.59
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	22.27	20.07	18.97	18.52	17.01	15.92	14.33	13.38	9.73	9.06	8.21
UPPER PENINSULA POWER IRON RIVER	20.58	18.38	17.28	18.11	16.60	16.02	14.44	13.48	9.38	8.80	7.95
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)	10.87	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	16.49	14.73	14.08	14.89	13.43	13.26	12.39	11.54	9.59	8.89	8.16
AVERAGE COOPERATIVE	15.00	13.03	12.04	12.93	11.68	12.31	11.61	10.95	10.06		
AVERAGE ALL COMPANIES	16.03	14.20	13.45	14.28	12.89	12.97	12.15	11.36	9.73	8.96	8.30

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
June 1, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	15.57	14.06	13.31	14.48	12.76	12.77	11.75	11.15	9.89	9.05	8.21
DTE ELECTRIC	16.73	15.48	15.51	14.65	13.22	12.59	12.54	11.65	9.67	9.09	8.81
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	23.05	20.85	19.75	19.30	17.79	16.70	15.11	14.16	10.51	9.84	8.98
UPPER PENINSULA POWER IRON RIVER	21.36	19.16	18.06	18.89	17.38	16.80	15.21	14.26	10.16	9.58	8.72
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	12.68	10.88	9.98	11.83	9.81	9.61	9.54	9.49	8.68	8.32	7.70
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	16.64	14.91	14.12	14.93	13.48	13.18	12.35	11.52	9.66	9.01	8.29
AVERAGE COOPERATIVE	14.87	12.90	11.92	12.80	11.55	12.18	11.48	10.83	9.93		
AVERAGE ALL COMPANIES	16.09	14.29	13.45	14.27	12.88	12.87	12.08	11.30	9.74	9.01	8.36

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
March 1, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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
COOPERATIVES											
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

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, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
January 1, 2013

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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
December 1, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	15.07	13.57	12.82	14.36	12.35	12.29	11.27	10.67	9.48	8.64	7.79
DETROIT EDISON	16.82	15.33	15.25	14.64	13.14	12.58	12.54	11.65	9.56	8.98	8.70
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	12.37	10.91	10.18	10.83	11.04	10.14	9.43	9.00	7.94	7.42	7.31
NORTHERN STATES POWER	12.83	11.28	10.51	10.78	9.79	10.75	9.63	8.95	8.65	8.57	8.57
UPPER PENINSULA POWER	22.26	20.06	18.96	19.68	18.17	16.87	15.28	14.33	10.35	9.68	8.83
UPPER PENINSULA POWER IRON RIVER	21.02	18.82	17.72	18.15	16.64	16.52	14.94	13.98	10.01	9.43	8.57
WISCONSIN ELECTRIC	19.20	16.63	15.35	18.21	15.19	14.68	14.62	12.55	10.84	10.35	8.00
WISCONSIN PUBLIC SERVICE	12.28	10.48	9.58	11.43	9.41	9.21	9.14	9.09	8.28	7.92	7.30
COOPERATIVES											
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		
AVERAGE ALL COMPANIES	15.54	13.72	12.86	13.72	12.33	12.42	11.63	10.84	9.17	8.65	8.00

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, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	15.08	13.57	12.82	14.37	12.36	12.30	11.28	10.68	9.49	8.65	7.80
DETROIT EDISON	16.82	15.33	15.25	14.64	13.14	12.58	12.54	11.65	9.56	8.98	8.70
EDISON SAULT ELECTRIC	10.37	9.69	9.35	11.19	10.33	10.16	10.73	10.12	9.09	9.03	9.02
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	12.83	11.28	10.51	10.78	9.79	10.75	9.63	8.95	8.65	8.57	8.57
UPPER PENINSULA POWER	22.26	20.06	18.96	19.68	18.17	16.87	15.28	14.33	10.35	9.68	8.83
UPPER PENINSULA POWER IRON RIVER	21.02	18.82	17.72	18.15	16.64	16.52	14.94	13.98	10.01	9.43	8.57
WISCONSIN ELECTRIC	19.04	16.55	15.31	18.09	15.16	14.67	14.61	12.53	10.83	10.35	8.00
WISCONSIN PUBLIC SERVICE	11.95	10.15	9.25	11.09	9.08	8.87	8.80	8.76	7.95	7.58	6.97
COOPERATIVES											
CLOVERLAND	14.79	12.99	12.09	12.91	11.84	11.95	11.06	10.54	8.56		
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		
THUMB	14.30	12.50	11.60	11.88	10.72	13.62	12.10	11.18	8.02		
AVERAGE INVESTOR OWNED	15.62	13.98	13.23	14.23	12.82	12.57	11.88	11.06	9.26	8.67	8.02
AVERAGE COOPERATIVE	17.93	15.38	14.11	14.08	12.61	13.67	12.37	11.60	9.90		
AVERAGE ALL COMPANIES	16.28	14.38	13.48	14.19	12.76	12.88	12.02	11.22	9.45	8.67	8.02

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
October 1, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	15.08	13.57	12.82	14.37	12.36	12.30	11.28	10.68	9.49	8.65	7.80
DETROIT EDISON	16.82	15.33	15.25	14.64	13.14	12.58	12.54	11.65	9.56	8.98	8.70
EDISON SAULT ELECTRIC	10.37	9.69	9.35	11.19	10.33	10.16	10.73	10.12	9.09	9.03	9.02
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	12.83	11.28	10.51	10.78	9.79	10.75	9.63	8.95	8.65	8.57	8.57
UPPER PENINSULA POWER	22.16	19.96	18.86	19.58	18.07	16.78	15.19	14.23	10.26	9.59	8.73
UPPER PENINSULA POWER IRON RIVER	20.93	18.73	17.63	18.06	16.55	16.43	14.84	13.89	9.91	9.33	8.48
WISCONSIN ELECTRIC	19.20	16.63	15.35	18.21	15.19	14.68	14.62	12.55	10.84	10.35	8.00
WISCONSIN PUBLIC SERVICE	12.15	10.35	9.45	11.30	9.28	9.08	9.01	8.96	8.15	7.79	7.17
COOPERATIVES											
CLOVERLAND	14.79	12.99	12.09	12.91	11.84	11.95	11.06	10.54	8.56		
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		
THUMB	14.30	12.50	11.60	11.88	10.72	13.62	12.10	11.18	8.02		
AVERAGE INVESTOR OWNED	15.64	13.99	13.23	14.24	12.82	12.57	11.88	11.07	9.27	8.67	8.02
AVERAGE COOPERATIVE	17.93	15.38	14.11	14.08	12.61	13.67	12.37	11.60	9.90		
AVERAGE ALL COMPANIES	16.30	14.39	13.48	14.20	12.76	12.88	12.02	11.22	9.45	8.67	8.02

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, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	15.08	13.57	14.82	15.86	13.85	14.72	13.47	12.73	11.49	10.65	9.80
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	10.87	10.19	9.85	11.69	10.83	10.66	11.23	10.62	9.59	9.53	9.52
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	9.40	7.85	7.07	7.17	6.17	7.35	6.23	5.56	6.00	5.92	5.91
UPPER PENINSULA POWER	21.69	19.49	18.39	19.10	17.59	16.30	14.71	13.75	9.78	9.11	8.26
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	19.40	16.91	15.67	18.44	15.51	15.02	14.96	12.76	11.06	10.58	8.23
WISCONSIN PUBLIC SERVICE	12.05	10.25	9.35	11.20	9.18	8.98	8.90	8.86	8.05	7.69	7.07
COOPERATIVES											
CLOVERLAND	15.29	13.49	12.59	13.41	12.34	12.45	11.56	11.04	9.06		
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	15.25	13.60	13.05	14.02	12.61	12.47	11.76	10.92	9.18	8.58	7.93
AVERAGE COOPERATIVE	17.98	15.30	13.96	13.80	12.31	13.52	12.24	11.48	9.82		
AVERAGE ALL COMPANIES	16.16	14.17	13.35	13.94	12.51	12.82	11.92	11.11	9.40	8.58	7.93

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, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	12.32	11.55	9.90		
AVERAGE ALL COMPANIES	16.38	14.39	13.57	14.17	12.73	13.02	12.12	11.31	9.55	8.79	8.14

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, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	14.72	13.19	14.42	15.46	13.45	14.32	13.06	12.32	11.08	10.24	9.39
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	11.15	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	12.50	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	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	15.58	13.90	13.33	14.32	12.89	12.72	12.01	11.18	9.35	8.76	8.11
AVERAGE COOPERATIVE	18.06	15.38	14.04	13.88	12.39	13.59	12.32	11.55	9.90		
AVERAGE ALL COMPANIES	16.40	14.39	13.57	14.17	12.72	13.01	12.11	11.30	9.54	8.76	8.11

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
June 1, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	13.61	12.28	14.55	14.84	13.23	14.01	12.39	11.42	10.04	9.18	8.58
DETROIT EDISON	12.01	12.85	13.93	13.85	13.14	12.73	12.70	11.87	9.71	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	10.17	10.83	11.03	10.13	9.42	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	18.76	16.27	15.03	17.67	14.74	14.25	14.19	12.13	10.41	9.97	7.06
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	14.95	13.15	12.25	12.53	11.37	14.27	12.75	11.83	8.67		
AVERAGE INVESTOR OWNED	14.90	13.52	13.19	14.10	12.81	12.65	11.90	11.06	9.23	8.64	7.96
AVERAGE COOPERATIVE	18.25	15.57	14.23	14.07	12.58	13.78	12.51	11.74	10.09		
AVERAGE ALL COMPANIES	16.02	14.20	13.53	14.09	12.73	13.03	12.11	11.29	9.52	8.64	7.96

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, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	14.42	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	12.64	13.84	12.57	11.80	10.15		
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

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, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	14.45	13.12	12.46	13.76	12.44	12.70	11.37	10.58	9.12	8.29	7.78
DETROIT EDISON	17.19	15.39	15.15	14.87	13.26	12.69	12.64	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	11.82	10.37	9.65	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	22.06	19.86	18.76	19.34	17.83	16.54	14.95	13.99	10.03	9.44	8.58
UPPER PENINSULA POWER IRON RIVER	21.04	18.84	17.74	18.17	16.66	16.54	14.95	13.99	10.03	9.44	8.58
WISCONSIN ELECTRIC	19.16	16.68	15.43	18.07	15.15	14.65	14.59	12.54	10.81	10.37	7.47
WISCONSIN PUBLIC SERVICE	12.45	10.65	9.75	11.60	9.58	9.36	9.29	9.25	8.46	8.09	7.46
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	15.75	13.95	13.05	13.33	12.17	15.07	13.55	12.63	9.47		
AVERAGE INVESTOR OWNED	15.64	13.99	13.24	14.23	12.84	12.65	11.91	11.09	9.27	8.68	8.01
AVERAGE COOPERATIVE	18.41	15.73	14.39	14.23	12.74	13.94	12.67	11.90	10.25		
AVERAGE ALL COMPANIES	16.56	14.57	13.62	14.23	12.81	13.08	12.16	11.36	9.60	8.68	8.01

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
March 1, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	14.47	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

Compiled by the Regulated Energy Division

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

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	14.64	13.31	12.64	13.91	12.62	12.85	11.52	10.73	9.26	8.47	7.92
DETROIT EDISON	17.44	15.64	15.40	14.92	13.31	12.72	12.68	11.84	9.66	9.07	8.79
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	11.71	10.16	9.39	11.52	10.78	10.24	9.60	9.22	7.93	7.23	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	22.26	20.06	18.96	72.60	71.09	16.74	15.15	14.19	10.23	9.64	8.78
UPPER PENINSULA POWER IRON RIVER	21.24	19.04	17.94	18.37	16.86	16.74	15.15	14.19	10.23	9.64	8.78
WISCONSIN ELECTRIC	19.00	16.59	15.39	17.95	15.12	14.65	14.59	12.51	10.80	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	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	15.75	14.10	13.34	19.76	18.33	12.84	12.10	11.28	9.43	8.83	8.15
AVERAGE COOPERATIVE	18.51	15.66	14.24	14.14	12.60	13.62	12.40	11.67	9.86		
AVERAGE ALL COMPANIES	16.78	14.69	13.68	17.65	16.18	13.13	12.21	11.43	9.59	8.83	8.15

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
January 1, 2012

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	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	14.70	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

Compiled by the Regulated Energy Division

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				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	13.89	12.56	11.90	13.92	12.20	12.25	10.91	10.13	9.05	8.29	7.71
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	18.96	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

Compiled by the Regulated Energy Division

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				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	13.82	12.49	11.83	13.41	12.09	12.14	10.81	10.03	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

Compiled by the Regulated Energy Division

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

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	13.87	12.54	11.87	13.46	12.14	12.19	10.86	10.07	9.09	8.33	7.75
DETROIT EDISON	15.74	13.94	13.74	13.59	12.06	11.57	11.53	10.77	8.63	8.11	7.85
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	10.81	9.36	8.64	10.65	10.06	9.58	8.98	8.62	7.36	6.70	6.53
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	19.45	17.45	16.45	18.06	16.74	15.35	13.78	12.84	9.53	8.91	8.06
UPPER PENINSULA POWER IRON RIVER	17.57	15.57	14.57	15.79	14.47	14.51	13.29	12.56	9.45	8.91	8.06
WISCONSIN ELECTRIC	18.60	16.03	14.74	17.41	14.57	14.09	14.03	11.98	10.52	10.13	7.23
WISCONSIN PUBLIC SERVICE	11.87	10.07	9.17	10.98	9.04	8.80	8.74	8.70	7.90	7.56	6.94
COOPERATIVES											
CLOVERLAND	15.28	13.48	12.58	13.27	12.35	11.89	11.16	10.72	9.08		
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	16.47	13.47	11.97	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	14.71	13.04	12.28	13.67	12.26	12.06	11.37	10.59	8.97	8.39	7.71
AVERAGE COOPERATIVE	17.31	14.81	13.56	13.61	12.19	12.93	11.77	11.08	9.37		
AVERAGE ALL COMPANIES	15.68	13.70	12.76	13.65	12.23	12.38	11.52	10.77	9.12	8.39	7.71

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, 2011

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	13.95	12.62	14.89	15.09	13.78	14.34	12.72	11.76	10.72	9.88	9.28
DETROIT EDISON	15.50	13.70	13.49	13.48	11.89	11.38	11.34	10.58	8.51	7.99	7.72
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	10.81	9.36	8.64	10.65	10.06	9.58	8.98	8.62	7.36	6.70	6.53
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	19.70	17.70	16.70	18.32	17.00	15.61	14.04	13.10	9.79	9.17	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	18.37	15.88	14.64	17.23	14.48	14.02	13.96	11.90	10.45	10.06	7.17
WISCONSIN PUBLIC SERVICE	12.01	10.21	9.31	11.13	9.19	8.95	8.89	8.85	8.05	7.71	7.09
COOPERATIVES											
CLOVERLAND	15.28	13.48	12.58	13.27	12.35	11.89	11.16	10.72	9.08		
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	16.47	13.47	11.97	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	14.74	13.08	12.61	13.87	12.46	12.31	11.59	10.80	9.18	8.59	7.91
AVERAGE COOPERATIVE	17.31	14.81	13.56	13.61	12.19	12.93	11.77	11.08	9.37		
AVERAGE ALL COMPANIES	15.70	13.73	12.97	13.77	12.36	12.54	11.66	10.90	9.25	8.59	7.91

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, 2011

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	14.66	12.96	15.04	15.32	13.94	14.34	12.72	11.74	10.70	9.84	9.24
DETROIT EDISON	15.74	13.94	13.74	13.67	12.07	11.57	11.53	10.77	8.63	8.11	7.85
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	10.81	9.36	8.64	10.65	10.06	9.58	8.98	8.62	7.36	6.70	6.53
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	20.70	18.70	17.70	18.80	17.48	16.04	14.47	13.53	10.11	9.57	8.72
UPPER PENINSULA POWER IRON RIVER	19.15	17.15	16.15	16.57	15.25	15.09	13.87	13.14	10.11	9.57	8.72
WISCONSIN ELECTRIC	18.53	15.96	14.68	17.34	14.50	14.03	13.97	11.92	10.45	10.06	7.17
WISCONSIN PUBLIC SERVICE	12.01	10.21	9.31	11.13	9.19	8.95	8.89	8.85	8.05	7.71	7.09
COOPERATIVES											
CLOVERLAND	15.28	13.48	12.58	13.27	12.35	11.89	11.16	10.72	9.08		
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	16.47	13.47	11.97	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	15.08	13.37	12.88	14.03	12.60	12.41	11.69	10.89	9.26	8.68	8.00
AVERAGE COOPERATIVE	17.31	14.81	13.56	13.61	12.19	12.93	11.77	11.08	9.37		
AVERAGE ALL COMPANIES	15.92	13.91	13.14	13.87	12.45	12.60	11.72	10.96	9.30	8.68	8.00

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, 2011

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	14.70	13.00	15.08	15.37	13.98	14.39	12.76	11.78	10.74	9.89	9.28
DETROIT EDISON	15.73	13.93	13.72	13.34	11.74	11.24	11.20	10.44	8.30	7.78	7.51
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	9.71	8.26	7.53	9.50	8.80	8.32	7.72	7.36	6.22	6.70	5.61
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	20.82	18.82	17.82	18.92	17.60	16.16	14.59	13.65	10.23	9.69	8.84
UPPER PENINSULA POWER IRON RIVER	19.27	17.27	16.27	16.69	15.37	15.21	13.99	13.26	10.23	9.69	8.84
WISCONSIN ELECTRIC	18.53	15.96	14.68	17.34	14.50	14.03	13.97	11.92	10.45	10.06	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	15.28	13.48	12.58	13.27	12.35	11.89	11.16	10.72	9.08		
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	15.49	13.69	12.79	13.01	11.96	14.30	12.93	12.10	9.27		
AVERAGE INVESTOR OWNED	14.86	13.21	12.75	13.88	12.47	12.20	11.50	10.72	9.10	8.64	7.86
AVERAGE COOPERATIVE	17.29	14.79	13.54	13.59	12.17	12.91	11.76	11.06	9.35		
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

Compiled by the Regulated Energy Division

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				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	14.70	13.00	15.08	15.37	13.98	14.39	12.76	11.78	10.74	9.89	9.28
DETROIT EDISON	15.74	13.94	13.74	13.67	12.07	11.57	11.53	10.77	8.63	8.11	7.85
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	10.81	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	20.88	18.88	17.88	18.98	17.66	16.22	14.65	13.71	10.29	9.75	8.90
UPPER PENINSULA POWER IRON RIVER	19.33	17.33	16.33	16.75	15.43	15.27	14.05	13.32	10.29	9.75	8.90
WISCONSIN ELECTRIC	18.37	15.88	14.64	17.23	14.48	14.02	13.96	11.90	10.45	10.06	7.17
WISCONSIN PUBLIC SERVICE	12.10	10.30	9.40	11.22	9.29	9.08	9.02	8.98	8.14	7.81	7.19
COOPERATIVES											
CLOVERLAND	15.28	13.48	12.58	13.27	12.35	11.89	11.16	10.72	9.08		
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	15.49	13.69	12.79	13.01	11.96	14.30	12.93	12.10	9.27		
AVERAGE INVESTOR OWNED	14.97	13.33	12.87	14.03	12.64	12.38	11.68	10.89	9.26	8.69	8.00
AVERAGE COOPERATIVE	17.29	14.79	13.54	13.59	12.17	12.91	11.76	11.06	9.35		
AVERAGE ALL COMPANIES	15.84	13.88	13.12	13.87	12.46	12.58	11.71	10.95	9.30	8.69	8.00

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, 2011

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	14.69	12.99	12.14	13.81	12.42	12.31	10.97	10.17	9.19	8.43	7.84
DETROIT EDISON	15.74	13.94	13.74	13.67	12.07	11.57	11.53	10.77	8.63	8.11	7.85
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	10.81	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	20.88	18.88	17.88	18.98	17.66	16.22	14.65	13.71	10.29	9.75	8.90
UPPER PENINSULA POWER IRON RIVER	19.33	17.33	16.33	16.75	15.43	15.27	14.05	13.32	10.29	9.75	8.90
WISCONSIN ELECTRIC	18.53	15.96	14.68	17.34	14.50	14.03	13.97	11.92	10.45	10.06	7.17
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	15.28	13.48	12.58	13.27	12.35	11.89	11.16	10.72	9.08		
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	15.49	13.69	12.79	13.01	11.96	14.30	12.93	12.10	9.27		
AVERAGE INVESTOR OWNED	15.00	13.35	12.60	13.90	12.50	12.18	11.51	10.74	9.05	8.50	7.87
AVERAGE COOPERATIVE	17.29	14.79	13.54	13.59	12.17	12.91	11.76	11.06	9.35		
AVERAGE ALL COMPANIES	15.86	13.89	12.95	13.78	12.38	12.46	11.60	10.86	9.16	8.50	7.87

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, 2011

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

Compiled by the Regulated Energy Division

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				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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

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, 2011

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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	14.61	12.91	12.06	13.73	12.34	12.23	10.89	10.08	9.11	8.34	7.76
DETROIT EDISON	13.47	11.67	11.46	13.41	12.04	11.54	11.50	10.72	8.65	8.14	7.87
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	21.14	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	18.11	15.79	14.63	17.08	14.51	14.08	14.03	11.95	10.51	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	16.47	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	14.75	13.13	12.38	13.87	12.52	12.21	11.53	10.76	9.07	8.53	7.90
AVERAGE COOPERATIVE	17.30	14.80	13.55	13.60	12.18	12.92	11.76	11.07	9.36		
AVERAGE ALL COMPANIES	15.70	13.75	12.82	13.77	12.39	12.47	11.62	10.88	9.18	8.53	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			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
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				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.17	13.57	12.77	13.69	12.29	12.48	11.20	10.32	7.73	6.10	6.07
CONSUMERS ENERGY	14.40	12.70	11.85	13.30	11.80	11.68	10.35	9.55	8.57	7.82	7.24
DETROIT EDISON	15.20	13.40	13.19	13.27	11.67	11.18	11.14	10.36	8.29	7.78	7.51
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) COMBINED	10.72	9.27	8.55	10.56	9.97	9.49	8.89	8.53	7.26	6.61	6.43
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	18.71	16.71	15.71	17.26	15.95	14.44	13.11	12.31	9.18	8.72	8.06
UPPER PENINSULA POWER IRON RIVER	16.39	14.39	13.39	14.10	12.78	12.92	11.93	11.34	9.18	8.72	8.06
WISCONSIN ELECTRIC	18.06	15.49	14.21	16.87	14.03	13.55	13.50	11.45	9.98	9.59	6.70
WISCONSIN PUBLIC SERVICE	11.13	9.33	8.43	10.25	8.32	8.12	8.05	8.01	7.17	6.84	6.22
COOPERATIVES											
CLOVERLAND	15.12	13.32	12.42	13.11	12.19	11.74	11.01	10.57	8.92		
GREAT LAKES	15.92	13.52	12.32	12.67	11.00	11.12	10.22	9.67	6.97		
MIDWEST ENERGY	16.64	13.64	12.14	12.23	10.85	11.23	10.19	9.57	10.59		
ONTONAGON	22.24	19.84	18.64	17.79	15.77	16.18	14.47	13.43	10.76		
PRESQUE ISLE	16.15	13.15	11.65	11.35	9.85	11.48	10.33	9.64	8.23		
THUMB	15.61	13.81	12.91	13.12	12.08	14.42	13.04	12.21	9.38		
AVERAGE INVESTOR OWNED	14.08	12.43	11.68	13.05	11.64	11.35	10.73	9.98	8.41	7.88	7.29
AVERAGE COOPERATIVE	16.94	14.54	13.34	13.38	11.96	12.70	11.54	10.85	9.14		
AVERAGE ALL COMPANIES	15.21	13.26	12.32	13.17	11.74	11.86	11.02	10.30	8.71	7.88	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			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.17	13.57	12.77	13.48	12.29	12.48	11.20	10.32	7.73	6.10	6.07
CONSUMERS ENERGY	14.30	12.60	11.75	13.20	11.56	11.94	10.45	9.56	8.96	8.24	7.66
DETROIT EDISON	15.20	13.40	13.19	13.27	11.67	11.18	11.14	10.36	8.29	7.78	7.51
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	10.61	9.24	8.87	12.41	10.47	10.07	9.71	9.48	7.40	7.04	6.88
AEP (I&M) THREE RIVERS	10.75	9.63	9.07	10.15	10.08	9.62	9.08	9.55	6.98	5.38	6.38
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	18.71	16.71	15.71	17.26	15.95	14.44	13.11	12.31	9.18	8.72	8.06
UPPER PENINSULA POWER IRON RIVER	16.39	14.39	13.39	14.10	12.78	12.92	11.93	11.34	9.18	8.72	8.06
WISCONSIN ELECTRIC	17.89	15.41	14.16	16.76	14.01	13.55	13.49	11.43	9.98	9.59	6.70
WISCONSIN PUBLIC SERVICE	11.13	9.33	8.43	10.25	8.32	8.12	8.05	8.01	7.17	6.84	6.22
COOPERATIVES											
CLOVERLAND	15.12	13.32	12.42	13.11	12.19	11.74	11.01	10.57	8.92		
GREAT LAKES	15.92	13.52	12.32	12.67	11.00	11.12	10.22	9.67	6.97		
MIDWEST ENERGY	16.64	13.64	12.14	12.23	10.85	11.23	10.19	9.57	10.59		
ONTONAGON	22.24	19.84	18.64	17.79	15.77	16.18	14.47	13.43	10.76		
PRESQUE ISLE	16.15	13.15	11.65	11.35	9.85	11.48	10.33	9.64	8.23		
THUMB	15.61	13.81	12.91	13.12	12.08	14.42	13.04	12.21	9.38		
AVERAGE INVESTOR OWNED	13.74	12.16	11.46	12.92	11.52	11.27	10.66	10.03	8.33	7.73	7.29
AVERAGE COOPERATIVE	16.94	14.54	13.34	13.38	11.96	12.70	11.54	10.85	9.14		
AVERAGE ALL COMPANIES	14.94	13.04	12.15	13.08	11.66	11.79	10.96	10.31	8.65	7.73	7.29

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

updated 12/9/2010 to fix Cloverland Residential

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
October 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.17	13.57	12.77	13.48	12.28	12.48	11.20	10.32	7.73	6.10	6.07
CONSUMERS ENERGY	12.92	11.22	10.37	12.69	11.66	12.05	10.56	9.66	8.90	8.19	7.60
DETROIT EDISON	14.68	12.88	12.67	12.91	11.31	10.82	10.78	10.00	7.93	7.42	7.15
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	10.61	9.24	8.87	12.41	10.47	10.07	9.71	9.48	7.40	7.04	6.88
AEP (I&M) THREE RIVERS	10.75	9.63	9.07	10.15	10.08	9.62	9.08	7.80	6.98	5.38	6.38
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	18.71	16.71	15.71	17.26	15.95	14.44	13.11	12.31	9.18	8.72	8.06
UPPER PENINSULA POWER IRON RIVER	16.39	14.39	13.39	14.10	12.78	12.92	11.93	11.34	9.18	8.72	8.06
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	11.13	9.33	8.43	10.25	8.32	8.12	8.05	8.01	7.17	6.84	6.22
COOPERATIVES											
CLOVERLAND	14.52	12.72	11.71	12.39	11.47	11.18	10.46	10.02	8.50		
GREAT LAKES	15.92	13.52	12.32	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	15.61	13.81	12.91	13.13	12.08	14.42	13.05	12.22	9.39		
AVERAGE INVESTOR OWNED	13.59	12.00	11.29	12.85	11.50	11.25	10.64	9.85	8.29	7.70	7.25
AVERAGE COOPERATIVE	16.46	14.26	13.14	13.22	11.82	12.59	11.44	10.75	9.06		
AVERAGE ALL COMPANIES	14.69	12.85	11.98	12.98	11.60	11.74	10.92	10.17	8.60	7.70	7.25

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
September 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.17	13.57	12.77	13.48	12.28	12.48	11.20	10.32	7.73	6.10	6.07
CONSUMERS ENERGY	12.92	11.22	12.78	13.79	12.77	13.74	11.96	10.89	10.06	9.38	8.85
DETROIT EDISON	14.51	12.71	12.50	12.94	11.34	10.85	10.81	10.07	8.09	7.58	7.31
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	10.61	9.24	8.87	12.41	10.47	10.07	9.71	9.48	7.40	7.04	6.88
AEP (I&M) THREE RIVERS	10.75	9.63	9.07	10.15	10.08	9.62	9.08	7.80	6.98	5.38	6.38
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	19.51	17.51	16.51	18.07	16.75	15.24	13.91	13.11	9.98	9.53	8.86
UPPER PENINSULA POWER IRON RIVER	17.19	15.19	14.19	14.90	13.58	13.72	12.74	12.15	9.98	9.53	8.86
WISCONSIN ELECTRIC	17.90	15.42	14.17	16.76	14.02	13.56	13.50	11.44	9.98	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
COOPERATIVES											
CLOVERLAND	14.52	12.72	11.71	12.39	11.47	11.18	10.46	10.02	8.50		
GREAT LAKES	15.92	13.52	12.32	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	13.77	12.19	11.71	13.16	11.82	11.62	10.99	10.19	8.63	8.04	7.60
AVERAGE COOPERATIVE	16.39	14.22	13.12	13.20	11.81	12.59	11.44	10.75	9.09		
AVERAGE ALL COMPANIES	14.78	12.96	12.23	13.17	11.79	11.97	11.13	10.37	8.82	8.04	7.60

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
August 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
ALPENA POWER	15.17	13.57	12.77	13.48	12.28	12.48	11.20	10.32	7.73	6.10	6.07
CONSUMERS ENERGY	14.30	12.60	14.15	14.42	12.77	13.74	11.96	10.89	10.06	9.38	8.85
DETROIT EDISON	14.51	12.71	12.50	12.94	11.34	10.85	10.81	10.07	8.09	7.58	7.31
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	10.60	9.24	8.86	12.42	10.47	10.07	9.71	9.48	7.40	7.04	6.88
AEP (I&M) THREE RIVERS	10.75	9.63	9.07	10.16	10.08	9.63	9.08	7.81	6.98	5.38	6.38
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
COOPERATIVES											
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	13.96	12.37	11.89	13.28	11.87	11.67	11.03	10.24	8.68	8.09	7.65
AVERAGE COOPERATIVE	16.35	14.18	13.08	13.20	11.81	12.59	11.44	10.75	9.09		
AVERAGE ALL COMPANIES	14.88	13.05	12.32	13.24	11.82	12.00	11.16	10.40	8.85	8.09	7.65

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
July 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.61	14.58	13.08	13.82	12.04	10.97	10.08	9.39	8.87
DETROIT EDISON	15.08	13.28	13.07	13.35	11.75	11.26	11.22	10.48	8.50	7.99	7.72
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	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
COOPERATIVES											
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

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
June 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.51	11.81	13.37	14.23	12.73	13.48	11.69	10.63	9.73	9.05	8.52
DETROIT EDISON	14.91	13.11	12.90	13.29	11.70	11.22	11.18	10.44	8.48	7.95	7.68
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	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	16.67	14.19	12.94	15.53	12.79	12.33	12.28	10.66	8.85	8.45	7.24
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
COOPERATIVES											
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	13.44	11.90	11.43	12.95	11.54	11.33	10.70	10.06	8.34	7.87	7.48
AVERAGE COOPERATIVE	16.35	14.18	13.08	13.20	11.81	12.59	11.44	10.75	9.09		
AVERAGE ALL COMPANIES	14.56	12.76	12.04	13.03	11.62	11.79	10.96	10.29	8.64	7.87	7.48

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
May 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.51	11.81	10.96	13.13	11.63	11.78	10.29	9.40	8.57	7.86	7.27
DETROIT EDISON	14.91	13.11	12.90	13.29	11.70	11.22	11.18	10.44	8.48	7.95	7.68
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	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	16.84	14.27	12.98	15.64	12.82	12.34	12.28	10.68	8.86	8.45	7.24
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
COOPERATIVES											
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	13.45	11.90	11.22	12.86	11.44	11.18	10.58	9.95	8.23	7.76	7.36
AVERAGE COOPERATIVE	16.35	14.18	13.08	13.20	11.81	12.59	11.44	10.75	9.09		
AVERAGE ALL COMPANIES	14.57	12.77	11.91	12.98	11.56	11.69	10.88	10.23	8.57	7.76	7.36

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
April 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	14.38	12.68	11.83	14.17	12.24	12.39	10.90	10.01	9.19	8.47	7.89
DETROIT EDISON	14.91	13.11	12.90	13.29	11.70	11.22	11.18	10.44	8.48	7.95	7.68
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	8.64	7.53	7.22	11.09	9.09	8.75	8.43	8.24	6.04	5.75	5.62
AEP (I&M) THREE RIVERS	8.77	7.86	7.40	9.09	8.77	8.38	7.90	7.85	5.71	5.42	5.22
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	19.88	17.88	16.88	18.43	17.11	15.61	14.27	13.47	10.34	9.89	9.23
UPPER PENINSULA POWER IRON RIVER	17.55	15.55	14.55	15.26	13.95	14.09	13.10	12.51	10.34	9.89	9.23
WISCONSIN ELECTRIC	16.67	14.19	12.94	15.53	12.79	12.33	12.28	10.66	8.85	8.45	7.24
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
COOPERATIVES											
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	13.01	12.04	14.40	13.02	12.20	9.59		
TRI COUNTY	16.16	13.76	12.56	13.04	11.34	11.99	10.86	10.18	9.18		
AVERAGE INVESTOR OWNED	13.54	12.00	11.31	12.96	11.52	11.26	10.66	10.03	8.31	7.84	7.44
AVERAGE COOPERATIVE	16.32	14.12	13.01	13.17	11.75	12.51	11.36	10.67	9.11		
AVERAGE ALL COMPANIES	14.62	12.82	11.97	13.05	11.61	11.74	10.93	10.28	8.62	7.84	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

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
March 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.52	11.82	10.97	13.02	11.63	11.80	10.30	9.40	8.61	7.90	7.30
DETROIT EDISON	14.73	12.93	12.72	13.11	11.52	11.04	11.00	10.26	8.30	7.77	7.50
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	8.64	7.53	7.22	11.09	9.09	8.75	8.43	8.24	6.04	5.75	5.62
AEP (I&M) THREE RIVERS	8.77	7.86	7.40	9.09	8.77	8.38	7.90	7.85	5.71	5.42	5.22
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	19.88	17.88	16.88	18.43	17.11	15.61	14.27	13.47	10.34	9.89	9.23
UPPER PENINSULA POWER IRON RIVER	17.55	15.55	14.55	15.26	13.95	14.09	13.10	12.51	10.34	9.89	9.23
WISCONSIN ELECTRIC	15.75	13.18	11.89	14.55	11.73	11.25	11.19	9.59	8.86	8.45	7.24
WISCONSIN PUBLIC SERVICE	12.12	10.32	9.42	11.24	9.31	9.11	9.04	9.00	8.17	7.83	7.21
COOPERATIVES											
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	13.01	12.04	14.40	13.02	12.20	9.59		
TRI COUNTY	16.16	13.76	12.56	13.04	11.34	11.99	10.86	10.18	9.18		
AVERAGE INVESTOR OWNED	13.38	11.83	11.14	12.77	11.36	11.10	10.50	9.87	8.26	7.79	7.39
AVERAGE COOPERATIVE	16.32	14.12	13.01	13.17	11.75	12.51	11.36	10.67	9.11		
AVERAGE ALL COMPANIES	14.52	12.72	11.87	12.93	11.51	11.65	10.83	10.18	8.59	7.79	7.39

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
February 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.52	11.82	10.97	13.02	11.63	11.80	10.30	9.40	8.61	7.90	7.30
DETROIT EDISON	14.70	12.90	12.69	13.08	11.49	11.00	10.97	10.23	8.26	7.74	7.47
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	8.64	7.53	7.22	11.09	9.09	8.75	8.43	8.24	6.04	5.75	5.62
AEP (I&M) THREE RIVERS	8.77	7.86	7.40	9.09	8.77	8.38	7.90	7.85	5.71	5.42	5.22
NORTHERN STATES POWER	11.04	10.19	9.76	10.31	9.59	9.80	8.89	8.34	7.97	7.92	7.92
UPPER PENINSULA POWER	19.88	17.88	16.88	18.43	17.11	15.61	14.27	13.47	10.34	9.89	9.23
UPPER PENINSULA POWER IRON RIVER	17.55	15.55	14.55	15.26	13.95	14.09	13.10	12.51	10.34	9.89	9.23
WISCONSIN ELECTRIC	15.25	12.93	11.77	14.21	11.66	11.23	11.18	9.54	8.83	8.45	7.24
WISCONSIN PUBLIC SERVICE	12.12	10.32	9.42	11.24	9.31	9.11	9.04	9.00	8.17	7.83	7.21
COOPERATIVES											
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	13.01	12.04	14.40	13.02	12.20	9.59		
TRI COUNTY	16.16	13.76	12.56	13.04	11.34	11.99	10.86	10.18	9.18		
AVERAGE INVESTOR OWNED	13.37	11.84	11.16	12.77	11.39	11.14	10.54	9.90	8.29	7.82	7.42
AVERAGE COOPERATIVE	16.32	14.12	13.01	13.17	11.75	12.51	11.36	10.67	9.11		
AVERAGE ALL COMPANIES	14.52	12.73	11.88	12.93	11.53	11.67	10.86	10.20	8.61	7.82	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

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
January 1, 2010

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.43	11.73	10.88	12.93	11.54	11.71	10.21	9.31	8.52	7.80	7.21
DETROIT EDISON	14.84	13.04	12.83	13.25	11.66	11.17	11.14	10.34	8.41	7.89	7.63
EDISON SAULT ELECTRIC	10.41	9.73	9.39	11.31	10.45	10.28	10.63	10.06	9.20	9.15	9.14
AEP (I&M) ST JOSEPH	8.64	7.53	7.22	11.09	9.09	8.75	8.43	8.24	6.04	5.75	5.62
AEP (I&M) THREE RIVERS	8.77	7.86	7.40	9.09	8.77	8.38	7.90	7.85	5.71	5.42	5.22
NORTHERN STATES POWER	11.04	10.19	9.76	10.31	9.59	9.80	8.89	8.34	7.97	7.92	7.92
UPPER PENINSULA POWER	19.88	17.88	16.88	18.43	17.11	15.61	14.27	13.47	10.34	9.89	9.23
UPPER PENINSULA POWER IRON RIVER	17.55	15.55	14.55	15.26	13.95	14.09	13.10	12.51	10.34	9.89	9.23
WISCONSIN ELECTRIC	15.83	13.30	12.03	14.70	11.92	11.45	11.39	9.92	8.16	7.77	6.57
WISCONSIN PUBLIC SERVICE	12.12	10.32	9.42	11.24	9.31	9.11	9.04	9.00	8.17	7.83	7.21
COOPERATIVES											
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	14.32	11.92	10.72	10.58	9.08	10.71	9.55	8.86	7.46		
THUMB	15.19	13.59	12.79	13.01	12.04	14.40	13.02	12.20	9.59		
TRI COUNTY	16.16	13.76	12.56	13.04	11.34	11.99	10.86	10.18	9.18		
AVERAGE INVESTOR OWNED	13.42	11.88	11.19	12.83	11.43	11.16	10.56	9.94	8.23	7.77	7.37
AVERAGE COOPERATIVE	16.21	14.01	12.90	13.06	11.64	12.39	11.25	10.56	9.00		
AVERAGE ALL COMPANIES	14.51	12.71	11.86	12.92	11.51	11.64	10.83	10.18	8.53	7.77	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

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	12.79	11.09	10.24	12.29	10.91	11.07	9.58	8.68	7.86	7.17	6.58
DETROIT EDISON	14.91	13.11	12.90	12.97	11.38	10.89	10.86	10.05	8.13	7.61	7.35
EDISON SAULT ELECTRIC	9.20	8.52	8.18	10.11	9.24	9.08	9.42	8.86	7.99	7.94	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	13.46	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	13.79	11.99	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	14.22	11.82	10.62	10.48	8.98	10.61	9.45	8.76	7.36		
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	12.60	11.20	10.58	12.10	10.84	10.75	10.08	9.42	7.91	7.53	7.25
AVERAGE COOPERATIVE	15.98	13.78	12.66	12.83	11.40	12.16	11.01	10.32	8.76		
AVERAGE ALL COMPANIES	13.91	12.20	11.39	12.39	11.06	11.30	10.44	9.77	8.24	7.53	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
November 13, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.03	11.33	10.48	12.53	11.14	11.30	9.81	8.91	8.09	7.40	6.81
DETROIT EDISON	14.91	13.11	12.90	12.97	11.38	10.89	10.86	10.06	8.13	7.61	7.35
EDISON SAULT ELECTRIC	9.20	8.52	8.18	10.11	9.24	9.08	9.42	8.86	7.99	7.94	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	12.62	11.22	10.61	12.12	10.86	10.78	10.10	9.44	7.93	7.55	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	13.96	12.25	11.43	12.42	11.09	11.34	10.48	9.81	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

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.36	11.66	10.81	12.65	11.26	11.02	9.53	8.64	7.41	6.96	6.73
DETROIT EDISON	14.91	13.11	12.90	12.97	11.38	10.89	10.86	10.06	8.13	7.61	7.35
EDISON SAULT ELECTRIC	9.20	8.52	8.18	10.11	9.24	9.08	9.42	8.86	7.99	7.94	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 COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.40	11.70	10.85	12.69	11.30	11.06	9.57	8.68	7.45	7.00	6.77
DETROIT EDISON	14.91	13.11	12.90	12.98	11.39	10.91	10.87	10.07	8.14	7.63	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	15.05	13.13	12.17	13.46	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	15.35	12.95	11.75	12.56	10.85	11.52	10.39	9.71	8.71		
AVERAGE INVESTOR OWNED	12.71	11.31	10.69	12.20	10.93	10.81	10.14	9.47	7.93	7.57	7.33
AVERAGE COOPERATIVE	16.01	13.81	12.68	12.89	11.46	12.22	11.07	10.39	8.83		
AVERAGE ALL COMPANIES	13.99	12.28	11.47	12.47	11.14	11.36	10.50	9.83	8.28	7.57	7.33

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, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	432,000	4,320,000	21,600,000
INVESTOR OWNED											
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	13.57	11.87	12.50	14.07	12.68	12.97	11.27	10.24	9.17	8.71	8.48
DETROIT EDISON	14.91	13.11	12.90	12.98	11.39	10.91	10.87	10.07	8.14	7.63	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		
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

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, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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

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, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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	12.68	11.48	12.36	13.73	12.43	12.92	11.23	10.22	9.15	8.73	8.50
DETROIT EDISON	13.38	12.18	12.27	11.81	11.09	10.86	10.84	10.21	8.46	7.98	7.72
EDISON SAULT ELECTRIC	9.69	9.01	8.67	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	5.11	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	11.18	10.33	9.91	10.46	9.74	9.94	9.03	8.48	8.12	8.07	8.06
UPPER PENINSULA POWER	17.70	16.10	15.30	17.06	15.90	15.87	13.81	12.57	9.56	9.42	9.40
UPPER PENINSULA POWER IRON RIVER	15.17	13.57	12.77	13.31	12.15	13.06	11.90	11.20	10.42	10.33	10.32
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	12.40	11.16	10.75	12.12	11.00	10.98	10.30	9.64	8.12	7.78	7.53
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	12.57	11.41	11.68	10.78	10.10	8.64	7.78	7.53

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
June 1, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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	12.65	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

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, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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	12.05	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

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, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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	12.23	11.03	10.43	12.13	10.82	11.09	9.66	8.80	7.82	7.49	7.28
DETROIT EDISON	13.27	12.07	12.17	10.29	10.42	10.29	10.28	9.65	7.85	7.43	7.18
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	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	12.20	10.95	10.41	11.58	10.70	10.66	9.97	9.29	7.85	7.55	7.31
AVERAGE COOPERATIVE	16.19	13.94	12.80	12.96	11.83	12.38	11.26	10.59	9.19		
AVERAGE ALL COMPANIES	13.99	12.30	11.48	12.20	11.21	11.43	10.55	9.87	8.45	7.55	7.31

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
March 1, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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

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, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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	12.75	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

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
January 14, 2009

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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	12.80	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

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
December 1, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	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	11.69	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

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
December 1, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	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	11.69	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

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, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	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	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	250	500	1,000	1,000	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	250	500	1,000	1,000	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

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, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	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	12.06	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

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, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	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

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
June 24, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	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	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

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, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	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	10.70	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

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, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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	10.19	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

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
March 1, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	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

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, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	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

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
January 1, 2008

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1,000	10,000	50,000
kWh	250	500	1,000	1,000	5,000	21,600	28,800	36,000	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	10.18	10.18	10.18	12.31	11.46	11.20	9.81	8.98	7.19	7.37	7.10
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	10.06	9.38	9.04	10.74	10.15	10.03	9.98	9.50	8.94	8.91	8.91
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	9.27		
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	10.12	11.53	10.61	10.51	9.83	9.21	7.66	7.42	7.26
AVERAGE COOPERATIVE	15.98	13.76	12.61	12.80	11.77	12.32	11.20	10.53	9.14		
AVERAGE ALL COMPANIES	13.56	11.99	11.24	12.10	11.13	11.33	10.45	9.80	8.32	7.42	7.26

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
December 1, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21600000
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

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21600000
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

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21600000
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			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21600000
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

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, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21600000
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		
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

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, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21600000
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

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
June 1, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	21600000
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

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, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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	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	5.14	5.03	4.79
AEP (I&M) THREE RIVERS	8.40	7.49	7.03	8.52	8.44	8.08	7.61	7.17	5.37	5.11	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	7.92
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

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, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
March 1, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
January 1, 2007

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
December 1, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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	10.93	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	15.08	13.48	12.68	14.40	13.44	13.33	11.30	10.08	7.04	6.98	6.99
UPPER PENINSULA POWER IRON RIVER	10.96	9.36	8.56	9.07	8.11	8.94	7.81	7.13	6.32	6.32	6.32
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	10.43	9.41	9.01	10.38	9.54	9.46	8.78	8.15	6.59	6.39	6.25
AVERAGE COOPERATIVE	14.46	12.36	11.28	11.65	10.73	11.18	10.16	9.54	8.41		
AVERAGE ALL COMPANIES	12.24	10.74	10.03	10.95	10.07	10.23	9.40	8.77	7.41	6.39	6.25

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
November 1, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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	10.93	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	15.08	13.48	12.68	14.40	13.44	13.33	11.30	10.08	7.04	6.98	6.99
UPPER PENINSULA POWER IRON RIVER	10.96	9.36	8.56	9.07	8.11	8.94	7.81	7.13	6.32	6.32	6.32
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	10.43	9.41	9.01	10.38	9.54	9.46	8.78	8.15	6.59	6.39	6.25
AVERAGE COOPERATIVE	14.46	12.36	11.28	11.65	10.73	11.18	10.16	9.54	8.41		
AVERAGE ALL COMPANIES	12.24	10.74	10.03	10.95	10.07	10.23	9.40	8.77	7.41	6.39	6.25

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
October 1, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
June 1, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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 5, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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
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	11.98	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

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
March 1, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
January 1, 2006

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
JUNE 1, 2005

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
JANUARY 1, 2005

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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
COOPERATIVES											
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

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
DECEMBER 1, 2004

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
OCTOBER 1, 2004

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
JUNE 1, 2004

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

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
DECEMBER 1, 2003

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

COMPARISON OF AVERAGE RATES (IN $ PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
July 1, 2002

	Residential			Small Commercial		Large Commercial			INDUSTRIAL		
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	$0.124	$0.104	$0.094	$0.093	$0.080	$0.090	$0.079	$0.072	$0.061		
CLOVERLAND	$0.098	$0.087	$0.079	$0.092	$0.086	$0.080	$0.073	$0.069	$0.049		
GREAT LAKES - BOYNE CITY	$0.115	$0.103	$0.094	$0.104	$0.098	$0.097	$0.089	$0.084	$0.060		
GREAT LAKES - NEWAYGO	$0.111	$0.101	$0.094	$0.093	$0.088	$0.095	$0.086	$0.081	$0.058		
GREAT LAKES - SCOTTVILLE	$0.120	$0.107	$0.100	$0.111	$0.105	$0.112	$0.106	$0.103	$0.062		
MIDWEST ENERGY	$0.114	$0.090	$0.078	$0.081	$0.071	$0.075	$0.065	$0.059	$0.049		
ONTONAGON	$0.122	$0.108	$0.101	$0.103	$0.097	$0.094	$0.085	$0.080	$0.058		
PRESQUE ISLE	$0.116	$0.101	$0.094	$0.098	$0.092	$0.090	$0.089	$0.084	$0.062		
THUMB	$0.107	$0.095	$0.089	$0.095	$0.088	$0.104	$0.092	$0.084	$0.068		
TRI COUNTY	$0.134	$0.110	$0.098	$0.109	$0.093	$0.100	$0.089	$0.082	$0.071		
AVERAGE INVESTOR OWNED	$0.087	$0.079	$0.077	$0.090	$0.083	$0.081	$0.075	$0.069	$0.056	$0.053	$0.052
AVERAGE COOPERATIVE	$0.116	$0.100	$0.092	$0.097	$0.090	$0.093	$0.085	$0.079	$0.061		
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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN

JANUARY 1, 2001

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
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	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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
JULY 1, 2000

		RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
	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		9.1	8.3	7.9	8.9	8.4	7.9	7.1	6.4	5.8	5.2	5.2
CONSUMERS ENERGY		8.0	8.0	8.9	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 (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	9.1	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		11.4	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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN

JANUARY 7, 2000

		RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
	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		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
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	9.1	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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
JUL Y 1, 1999

		RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
	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		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
COOPERATIVES												
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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
JANUARY 7, 1999

		RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
	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		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	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
COOPERATIVES												
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	9.3	8.6	9.2	8.6	8.9	8.1	7.6	6.2		
AVERAGE ALL COMPANIES		9.6	8.6	8.0	9.0	8.4	8.4	7.7	7.2	5.8	5.2	5.1

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN

JULY 1, 1998

	RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
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	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
COOPERATIVES											
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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
JANUARY 1, 1998

	RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
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	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
COOPERATIVES											
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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
JULY 1, 1997

	RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
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	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
COOPERATIVES											
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		
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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
JANUARY 1, 1997

	RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
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	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
COOPERATIVES											
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

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
JANUARY 1, 1996

	RESIDENTIAL			***SMALL COMMERCIAL***		***LARGE COMMERCIAL***			***INDUSTRIAL***		
kW				5	25	100	100	100	1000	10000	50000
kWh	250	500	1000	1000	5000	21600	28800	36000	432000	4320000	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		

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
JANUARY 1, 1995

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			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		

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
FEBRUARY 1, 1994

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			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		

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
FEBRUARY 1, 1993

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			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		

COMPARISON OF AVERAGE RATES (IN CENTS PER KWH) FOR REGULATED ELECTRIC UTILITIES IN MICHIGAN
February 1, 1992

	RESIDENTIAL			SMALL COMMERCIAL		LARGE COMMERCIAL			INDUSTRIAL		
	250	500	1000	5 1000	25 5000	100 21600	100 28800	100 36000	1000 432000	10000 4320000	50000 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		