

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

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|--------------------------------------|--------------------|--------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <i>kW</i> | | | | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| <i>kWh</i> | | | | | | | | | | | |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 20.07 | 18.85 | 18.24 | 18.20 | 17.29 | 17.80 | 15.86 | 14.54 | 12.61 | 9.16 | 9.15 |
| CONSUMERS ENERGY | 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 |
| <i>AVERAGE INVESTOR OWNED</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|-------------------------------|--------------------|--------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <i>kW</i> | | | | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| <i>kWh</i> | | | | | | | | | | | |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 20.07 | 18.85 | 18.24 | 18.20 | 17.29 | 17.80 | 15.86 | 14.54 | 12.61 | 9.16 | 9.15 |
| CONSUMERS ENERGY | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|-------------------------------|--------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <i>kW</i> | | | | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| <i>kWh</i> | | | | | | | | | | | |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 20.07 | 18.85 | 18.24 | 18.20 | 17.29 | 17.80 | 15.86 | 14.54 | 12.61 | 9.16 | 9.15 |
| CONSUMERS ENERGY | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|-------------------------------|--------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <i>kW</i> | | | | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| <i>kWh</i> | | | | | | | | | | | |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|-------------------------------|--------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <i>kW</i> | | | | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| <i>kWh</i> | | | | | | | | | | | |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|-------------------------------|--------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <i>kW</i> | | | | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| <i>kWh</i> | | | | | | | | | | | |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|--------------|--------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.83 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.33 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|--------------|--------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.83 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.83 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.32 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.83 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.42 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.92 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.92 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.92 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.94 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.94 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.94 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.94 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.19 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.44 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.94 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|--------------|--------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.47 | 13.29 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.47 | 13.29 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.47 | 13.29 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.47 | 13.29 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.72 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.97 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.86 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.92 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.92 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.22 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|-------------------------------|--------------------|--------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> | | | | | | | | | | |
| <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.72 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|-------------------------------|--------------------|--------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> | | | | | | | | | | |
| <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|-------------------------------|--------------------|--------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> | | | | | | | | | | |
| <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.72 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|--------------|--------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.72 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|--------------|--------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.84 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.14 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.14 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|--------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|--------------|--------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | 14.94 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.94 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.35 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.13 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.13 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.91 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.92 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.70 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.48 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.48 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.48 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.48 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.48 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.48 | 13.29 | 12.69 | 13.00 | 12.15 | 12.49 | 11.21 | 10.32 | 8.45 | 6.65 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------|-----------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | 5 <u>1,000</u> | 25 <u>5,000</u> | 100 <u>21,600</u> | 100 <u>28,800</u> | 100 <u>36,000</u> | 1,000 <u>432,000</u> | 10,000 <u>4,320,000</u> | 50,000 <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.47 | 13.28 | 12.69 | 13.00 | 12.14 | 12.49 | 11.21 | 10.32 | 8.45 | 6.66 | 6.06 |
| CONSUMERS ENERGY | | 16.35 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 14.47 | 13.28 | 12.69 | 13.00 | 12.14 | 12.49 | 11.21 | 10.32 | 8.45 | 6.66 | 6.06 |
| CONSUMERS ENERGY | 16.71 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| THUMB | 16.48 | 13.89 | 12.60 | 12.36 | 10.90 | 13.04 | 11.59 | 10.73 | 8.00 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 18.26 | 16.21 | 15.36 | 14.88 | 13.46 | 12.37 | 11.73 | 10.97 | 9.37 | 8.69 | 8.13 |
| <i>AVERAGE COOPERATIVE</i> | 16.37 | 13.97 | 12.77 | 14.42 | 13.08 | 12.39 | 11.05 | 11.26 | 9.78 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

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

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 14.47 | 13.28 | 12.69 | 13.00 | 12.14 | 12.49 | 11.21 | 10.32 | 8.45 | 6.66 | 6.06 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| THUMB | 16.48 | 13.89 | 12.60 | 12.36 | 10.90 | 13.04 | 11.59 | 10.73 | 8.00 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 17.92 | 16.00 | 15.37 | 15.18 | 13.79 | 13.47 | 12.58 | 11.66 | 9.55 | 8.94 | 8.38 |
| <i>AVERAGE COOPERATIVE</i> | 16.37 | 13.97 | 12.77 | 14.42 | 13.08 | 12.39 | 11.05 | 11.26 | 9.78 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 14.48 | 13.29 | 12.69 | 13.00 | 12.15 | 12.49 | 11.21 | 10.32 | 8.45 | 6.66 | 6.06 |
| CONSUMERS ENERGY | | 16.56 | 14.97 | 15.78 | 15.76 | 14.12 | 14.60 | 13.21 | 12.38 | 9.47 | 8.68 | 7.55 |
| DTE ELECTRIC | | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| THUMB | | 16.49 | 13.90 | 12.60 | 12.37 | 10.90 | 13.04 | 11.59 | 10.73 | 8.00 | | |
| AVERAGE INVESTOR OWNED | | 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**

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

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 14.75 | 13.56 | 12.96 | 13.27 | 12.42 | 12.76 | 11.48 | 10.59 | 8.72 | 6.93 | 6.33 |
| CONSUMERS ENERGY | 16.34 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| THUMB | 16.49 | 13.90 | 12.60 | 12.37 | 10.90 | 13.04 | 11.59 | 10.73 | 8.00 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 17.93 | 16.01 | 15.31 | 15.12 | 13.71 | 13.40 | 12.51 | 11.60 | 9.53 | 8.85 | 8.29 |
| <i>AVERAGE COOPERATIVE</i> | 16.28 | 13.88 | 12.69 | 14.33 | 12.99 | 12.33 | 10.99 | 10.28 | 9.73 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 14.75 | 13.56 | 12.96 | 13.27 | 12.42 | 12.76 | 11.48 | 10.59 | 8.72 | 6.93 | 6.33 |
| CONSUMERS ENERGY | 16.40 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 14.75 | 13.56 | 12.96 | 13.27 | 12.42 | 12.76 | 11.48 | 10.59 | 8.72 | 6.93 | 6.33 |
| CONSUMERS ENERGY | 16.40 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 14.75 | 13.56 | 12.96 | 13.27 | 12.42 | 12.76 | 11.48 | 10.59 | 8.72 | 6.93 | 6.33 |
| CONSUMERS ENERGY | 16.66 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | | 16.34 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | | 16.47 | 14.77 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | 16.52 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | 16.47 | 14.77 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | 16.07 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| CLOVERLAND | 15.29 | 13.49 | 12.59 | 13.41 | 12.34 | 12.45 | 11.56 | 11.04 | 9.06 | | |
| CLOVERLAND (EDISON SAULT LEGACY) | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | 16.07 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| CLOVERLAND | 15.29 | 13.49 | 12.59 | 13.41 | 12.34 | 12.45 | 11.56 | 11.04 | 9.06 | | |
| CLOVERLAND (EDISON SAULT LEGACY) | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 15.29 | 13.49 | 12.59 | 13.41 | 12.34 | 12.45 | 11.56 | 11.04 | 9.06 | | |
| CLOVERLAND (EDISON SAULT LEGACY) | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| CLOVERLAND | 15.29 | 13.49 | 12.59 | 13.41 | 12.34 | 12.45 | 11.56 | 11.04 | 9.06 | | |
| CLOVERLAND (EDISON SAULT LEGACY) | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| CLOVERLAND | 15.29 | 13.49 | 12.59 | 13.41 | 12.34 | 12.45 | 11.56 | 11.04 | 9.06 | | |
| CLOVERLAND (EDISON SAULT LEGACY) | 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**

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

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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 16.05 | 14.43 | 13.68 | 14.66 | 13.25 | 12.98 | 12.29 | 11.47 | 9.70 | 9.10 | 8.45 |
| <i>AVERAGE COOPERATIVE</i> | 16.69 | 14.29 | 13.09 | 13.65 | 12.27 | 13.17 | 12.05 | 11.38 | 10.53 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.64 | 14.59 | 14.07 | 14.60 | 13.62 | 13.93 | 12.66 | 11.77 | 9.90 | 8.09 | 7.50 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 15.95 | 14.30 | 13.54 | 14.55 | 13.10 | 12.83 | 12.14 | 11.32 | 9.55 | 8.95 | 8.30 |
| <i>AVERAGE COOPERATIVE</i> | 16.37 | 13.97 | 12.77 | 13.34 | 11.96 | 12.85 | 11.74 | 11.06 | 10.22 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| CLOVERLAND | 13.29 | 11.49 | 10.59 | 11.41 | 10.34 | 10.45 | 9.56 | 9.04 | 7.06 | | |
| MIDWEST ENERGY | 18.19 | 14.59 | 12.79 | 12.80 | 11.14 | 11.94 | 10.88 | 10.24 | 11.59 | | |
| THUMB | 14.30 | 12.50 | 11.60 | 11.88 | 10.72 | 13.62 | 12.10 | 11.18 | 8.02 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 15.62 | 13.97 | 13.21 | 14.22 | 12.80 | 12.55 | 11.86 | 11.05 | 9.25 | 8.65 | 8.00 |
| <i>AVERAGE COOPERATIVE</i> | 15.26 | 12.86 | 11.66 | 12.03 | 10.73 | 12.00 | 10.85 | 10.15 | 8.89 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 15.64 | 13.98 | 13.22 | 14.28 | 12.88 | 12.68 | 11.94 | 11.13 | 9.30 | 8.72 | 8.04 |
| <i>AVERAGE COOPERATIVE</i> | 18.51 | 15.66 | 14.24 | 14.14 | 12.60 | 13.62 | 12.40 | 11.67 | 9.86 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 15.75 | 14.10 | 13.34 | 19.76 | 18.33 | 12.84 | 12.10 | 11.28 | 9.43 | 8.83 | 8.15 |
| <i>AVERAGE COOPERATIVE</i> | 18.51 | 15.66 | 14.24 | 14.14 | 12.60 | 13.62 | 12.40 | 11.67 | 9.86 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 15.88 | 14.21 | 13.45 | 19.90 | 18.44 | 12.94 | 12.21 | 11.39 | 9.54 | 8.93 | 8.25 |
| <i>AVERAGE COOPERATIVE</i> | 18.15 | 15.31 | 13.88 | 13.78 | 12.24 | 13.26 | 12.04 | 11.32 | 9.50 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.78 | 14.18 | 13.38 | 14.31 | 12.87 | 13.07 | 11.79 | 10.90 | 9.05 | 7.22 | 6.64 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 14.87 | 13.21 | 12.44 | 13.79 | 12.33 | 12.12 | 11.43 | 10.63 | 9.00 | 8.43 | 7.75 |
| <i>AVERAGE COOPERATIVE</i> | 17.48 | 14.84 | 13.52 | 13.44 | 12.01 | 12.75 | 11.60 | 10.91 | 9.20 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.78 | 14.18 | 13.38 | 14.31 | 12.87 | 13.07 | 11.79 | 10.90 | 9.05 | 7.22 | 6.64 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 14.85 | 13.19 | 12.43 | 13.73 | 12.32 | 12.11 | 11.42 | 10.62 | 9.00 | 8.43 | 7.74 |
| <i>AVERAGE COOPERATIVE</i> | 17.08 | 14.55 | 13.28 | 13.27 | 11.85 | 12.58 | 11.43 | 10.74 | 9.03 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.78 | 14.18 | 13.38 | 14.31 | 12.87 | 13.07 | 11.79 | 10.90 | 9.05 | 7.22 | 6.64 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.78 | 14.18 | 13.38 | 14.31 | 12.87 | 13.07 | 11.79 | 10.90 | 9.05 | 7.22 | 6.64 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 14.74 | 13.08 | 12.61 | 13.87 | 12.46 | 12.31 | 11.59 | 10.80 | 9.18 | 8.59 | 7.91 |
| <i>AVERAGE COOPERATIVE</i> | 17.31 | 14.81 | 13.56 | 13.61 | 12.19 | 12.93 | 11.77 | 11.08 | 9.37 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.78 | 14.18 | 13.38 | 14.31 | 12.87 | 13.07 | 11.79 | 10.90 | 9.05 | 7.22 | 6.64 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 15.08 | 13.37 | 12.88 | 14.03 | 12.60 | 12.41 | 11.69 | 10.89 | 9.26 | 8.68 | 8.00 |
| <i>AVERAGE COOPERATIVE</i> | 17.31 | 14.81 | 13.56 | 13.61 | 12.19 | 12.93 | 11.77 | 11.08 | 9.37 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|------------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>5</u> <u>1,000</u> | <u>25</u> <u>5,000</u> | <u>100</u> <u>21,600</u> | <u>100</u> <u>28,800</u> | <u>100</u> <u>36,000</u> | <u>1,000</u> <u>432,000</u> | <u>10,000</u> <u>4,320,000</u> | <u>50,000</u> <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | 15.78 | 14.18 | 13.38 | 14.31 | 12.87 | 13.07 | 11.79 | 10.90 | 9.05 | 7.22 | 6.64 | |
| CONSUMERS ENERGY | 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | | |
| <i>AVERAGE INVESTOR OWNED</i> | 14.86 | 13.21 | 12.75 | 13.88 | 12.47 | 12.20 | 11.50 | 10.72 | 9.10 | 8.64 | 7.86 | |
| <i>AVERAGE COOPERATIVE</i> | 17.29 | 14.79 | 13.54 | 13.59 | 12.17 | 12.91 | 11.76 | 11.06 | 9.35 | | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| ALPENA POWER | 15.78 | 14.18 | 13.38 | 14.31 | 12.87 | 13.07 | 11.79 | 10.90 | 9.05 | 7.22 | 6.64 |
| CONSUMERS ENERGY | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 14.97 | 13.33 | 12.87 | 14.03 | 12.64 | 12.38 | 11.68 | 10.89 | 9.26 | 8.69 | 8.00 |
| <i>AVERAGE COOPERATIVE</i> | 17.29 | 14.79 | 13.54 | 13.59 | 12.17 | 12.91 | 11.76 | 11.06 | 9.35 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 15.00 | 13.35 | 12.60 | 13.90 | 12.50 | 12.18 | 11.51 | 10.74 | 9.05 | 8.50 | 7.87 |
| <i>AVERAGE COOPERATIVE</i> | 17.29 | 14.79 | 13.54 | 13.59 | 12.17 | 12.91 | 11.76 | 11.06 | 9.35 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|--------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 14.96 | 13.32 | 12.57 | 13.88 | 12.49 | 12.18 | 11.50 | 10.73 | 9.04 | 8.50 | 7.87 |
| <i>AVERAGE COOPERATIVE</i> | 17.30 | 14.80 | 13.55 | 13.60 | 12.18 | 12.92 | 11.76 | 11.07 | 9.36 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 14.98 | 13.34 | 12.58 | 13.90 | 12.50 | 12.18 | 11.51 | 10.74 | 9.05 | 8.50 | 7.88 |
| <i>AVERAGE COOPERATIVE</i> | | 17.30 | 14.80 | 13.55 | 13.60 | 12.18 | 12.92 | 11.76 | 11.07 | 9.36 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 14.75 | 13.13 | 12.38 | 13.87 | 12.52 | 12.21 | 11.53 | 10.76 | 9.07 | 8.53 | 7.90 |
| <i>AVERAGE COOPERATIVE</i> | | 17.30 | 14.80 | 13.55 | 13.60 | 12.18 | 12.92 | 11.76 | 11.07 | 9.36 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 14.87 | 13.23 | 12.47 | 13.82 | 12.42 | 12.11 | 11.44 | 10.69 | 9.02 | 8.47 | 7.84 |
| <i>AVERAGE COOPERATIVE</i> | | 17.25 | 14.75 | 13.50 | 13.55 | 12.12 | 12.86 | 11.71 | 11.02 | 9.31 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 14.08 | 12.43 | 11.68 | 13.05 | 11.64 | 11.35 | 10.73 | 9.98 | 8.41 | 7.88 | 7.29 |
| <i>AVERAGE COOPERATIVE</i> | | 16.94 | 14.54 | 13.34 | 13.38 | 11.96 | 12.70 | 11.54 | 10.85 | 9.14 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | |
| GREAT LAKES | | 15.92 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|-------|-------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|--------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | | | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> | |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | | |
| GREAT LAKES | 15.92 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | |
| GREAT LAKES | | 15.67 | 13.27 | 12.07 | 12.67 | 11.00 | 11.12 | 10.22 | 9.67 | 6.97 | | |
| MIDWEST ENERGY | | 15.38 | 12.98 | 11.78 | 11.98 | 10.75 | 11.17 | 10.14 | 9.52 | 10.53 | | |
| ONTONAGON | | 22.24 | 19.84 | 18.64 | 17.79 | 15.77 | 16.18 | 14.47 | 13.43 | 10.76 | | |
| PRESQUE ISLE | | 15.10 | 12.70 | 11.50 | 11.35 | 9.85 | 11.48 | 10.33 | 9.64 | 8.23 | | |
| THUMB | | 15.19 | 13.59 | 12.79 | 13.00 | 12.03 | 14.39 | 13.02 | 12.19 | 9.58 | | |
| AVERAGE INVESTOR OWNED | | 13.96 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.16 | 13.56 | 12.76 | 13.48 | 12.28 | 12.46 | 11.19 | 10.31 | 7.72 | 6.14 | 6.08 |
| CONSUMERS ENERGY | | 13.76 | 12.06 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | |
| GREAT LAKES | | 15.67 | 13.27 | 12.07 | 12.67 | 11.00 | 11.12 | 10.22 | 9.67 | 6.97 | | |
| MIDWEST ENERGY | | 15.38 | 12.98 | 11.78 | 11.98 | 10.75 | 11.17 | 10.14 | 9.52 | 10.53 | | |
| ONTONAGON | | 22.24 | 19.84 | 18.64 | 17.79 | 15.77 | 16.18 | 14.47 | 13.43 | 10.76 | | |
| PRESQUE ISLE | | 15.10 | 12.70 | 11.50 | 11.35 | 9.85 | 11.48 | 10.33 | 9.64 | 8.23 | | |
| THUMB | | 15.19 | 13.59 | 12.79 | 13.00 | 12.03 | 14.39 | 13.02 | 12.19 | 9.58 | | |
| AVERAGE INVESTOR OWNED | | 13.60 | 12.05 | 11.58 | 13.11 | 11.69 | 11.48 | 10.85 | 10.17 | 8.47 | 8.01 | 7.46 |
| AVERAGE COOPERATIVE | | 16.35 | 14.18 | 13.08 | 13.20 | 11.81 | 12.59 | 11.44 | 10.75 | 9.09 | | |
| AVERAGE ALL COMPANIES | | 14.66 | 12.86 | 12.14 | 13.13 | 11.71 | 11.88 | 11.05 | 10.36 | 8.72 | 8.01 | 7.46 |

Source: Michigan Public Service Commission Utility Rate Books

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

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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.16 | 13.56 | 12.76 | 13.48 | 12.28 | 12.46 | 11.19 | 10.31 | 7.72 | 6.14 | 6.08 |
| CONSUMERS ENERGY | | 13.51 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | |
| GREAT LAKES | | 15.67 | 13.27 | 12.07 | 12.67 | 11.00 | 11.12 | 10.22 | 9.67 | 6.97 | | |
| MIDWEST ENERGY | | 15.38 | 12.98 | 11.78 | 11.98 | 10.75 | 11.17 | 10.14 | 9.52 | 10.53 | | |
| ONTONAGON | | 22.24 | 19.84 | 18.64 | 17.79 | 15.77 | 16.18 | 14.47 | 13.43 | 10.76 | | |
| PRESQUE ISLE | | 15.10 | 12.70 | 11.50 | 11.35 | 9.85 | 11.48 | 10.33 | 9.64 | 8.23 | | |
| THUMB | | 15.19 | 13.59 | 12.79 | 13.00 | 12.03 | 14.39 | 13.02 | 12.19 | 9.58 | | |
| AVERAGE INVESTOR OWNED | | 13.44 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.16 | 13.56 | 12.76 | 13.48 | 12.28 | 12.46 | 11.19 | 10.31 | 7.72 | 6.14 | 6.08 |
| CONSUMERS ENERGY | | 13.51 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | |
| GREAT LAKES | | 15.67 | 13.27 | 12.07 | 12.67 | 11.00 | 11.12 | 10.22 | 9.67 | 6.97 | | |
| MIDWEST ENERGY | | 15.38 | 12.98 | 11.78 | 11.98 | 10.75 | 11.17 | 10.14 | 9.52 | 10.53 | | |
| ONTONAGON | | 22.24 | 19.84 | 18.64 | 17.79 | 15.77 | 16.18 | 14.47 | 13.43 | 10.76 | | |
| PRESQUE ISLE | | 15.10 | 12.70 | 11.50 | 11.35 | 9.85 | 11.48 | 10.33 | 9.64 | 8.23 | | |
| THUMB | | 15.19 | 13.59 | 12.79 | 13.00 | 12.03 | 14.39 | 13.02 | 12.19 | 9.58 | | |
| AVERAGE INVESTOR OWNED | | 13.45 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.16 | 13.56 | 12.76 | 13.48 | 12.28 | 12.46 | 11.19 | 10.31 | 7.72 | 6.14 | 6.08 |
| CONSUMERS ENERGY | | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | |
| GREAT LAKES | | 15.67 | 13.27 | 12.07 | 12.67 | 11.00 | 11.12 | 10.22 | 9.67 | 6.97 | | |
| MIDWEST ENERGY | | 15.38 | 12.98 | 11.78 | 11.98 | 10.75 | 11.17 | 10.14 | 9.52 | 10.53 | | |
| ONTONAGON | | 22.24 | 19.84 | 18.64 | 17.79 | 15.77 | 16.18 | 14.47 | 13.43 | 10.76 | | |
| PRESQUE ISLE | | 15.10 | 12.70 | 11.50 | 11.35 | 9.85 | 11.48 | 10.33 | 9.64 | 8.23 | | |
| THUMB | | 15.19 | 13.59 | 12.79 | 13.01 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.16 | 13.56 | 12.76 | 13.48 | 12.28 | 12.46 | 11.19 | 10.31 | 7.72 | 6.14 | 6.08 |
| CONSUMERS ENERGY | | 13.52 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | |
| GREAT LAKES | | 15.67 | 13.27 | 12.07 | 12.67 | 11.00 | 11.12 | 10.22 | 9.67 | 6.97 | | |
| MIDWEST ENERGY | | 15.38 | 12.98 | 11.78 | 11.98 | 10.75 | 11.17 | 10.14 | 9.52 | 10.53 | | |
| ONTONAGON | | 22.24 | 19.84 | 18.64 | 17.79 | 15.77 | 16.18 | 14.47 | 13.43 | 10.76 | | |
| PRESQUE ISLE | | 15.10 | 12.70 | 11.50 | 11.35 | 9.85 | 11.48 | 10.33 | 9.64 | 8.23 | | |
| THUMB | | 15.19 | 13.59 | 12.79 | 13.01 | 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 13.38 | 11.83 | 11.14 | 12.77 | 11.36 | 11.10 | 10.50 | 9.87 | 8.26 | 7.79 | 7.39 |
| <i>AVERAGE COOPERATIVE</i> | | 16.32 | 14.12 | 13.01 | 13.17 | 11.75 | 12.51 | 11.36 | 10.67 | 9.11 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | | 15.16 | 13.56 | 12.76 | 13.48 | 12.28 | 12.46 | 11.19 | 10.31 | 7.72 | 6.14 | 6.08 |
| CONSUMERS ENERGY | | 13.52 | 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | |
| GREAT LAKES | | 15.67 | 13.27 | 12.07 | 12.67 | 11.00 | 11.12 | 10.22 | 9.67 | 6.97 | | |
| MIDWEST ENERGY | | 15.38 | 12.98 | 11.78 | 11.98 | 10.75 | 11.17 | 10.14 | 9.52 | 10.53 | | |
| ONTONAGON | | 22.24 | 19.84 | 18.64 | 17.79 | 15.77 | 16.18 | 14.47 | 13.43 | 10.76 | | |
| PRESQUE ISLE | | 15.10 | 12.70 | 11.50 | 11.35 | 9.85 | 11.48 | 10.33 | 9.64 | 8.23 | | |
| THUMB | | 15.19 | 13.59 | 12.79 | 13.01 | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|-------|-------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|------------------|-------------------|--------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | | | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> | |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| ALPENA POWER | 15.16 | 13.56 | 12.76 | 13.48 | 12.28 | 12.46 | 11.19 | 10.31 | 7.72 | 6.14 | 6.08 | |
| CONSUMERS ENERGY | 13.43 | 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| CLOVERLAND | 14.52 | 12.72 | 11.71 | 12.39 | 11.47 | 11.18 | 10.46 | 10.02 | 8.50 | | | |
| GREAT LAKES | 15.67 | 13.27 | 12.07 | 12.67 | 11.00 | 11.12 | 10.22 | 9.67 | 6.97 | | | |
| MIDWEST ENERGY | 15.38 | 12.98 | 11.78 | 11.98 | 10.75 | 11.17 | 10.14 | 9.52 | 10.53 | | | |
| ONTONAGON | 22.24 | 19.84 | 18.64 | 17.79 | 15.77 | 16.18 | 14.47 | 13.43 | 10.76 | | | |
| PRESQUE ISLE | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.65 | 11.25 | 10.64 | 12.14 | 10.87 | 10.75 | 10.08 | 9.41 | 7.87 | 7.51 | 7.27 |
| <i>AVERAGE COOPERATIVE</i> | | 16.06 | 13.86 | 12.73 | 12.89 | 11.46 | 12.22 | 11.07 | 10.39 | 8.83 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.71 | 11.31 | 10.69 | 12.20 | 10.93 | 10.81 | 10.14 | 9.47 | 7.93 | 7.57 | 7.33 |
| <i>AVERAGE COOPERATIVE</i> | | 16.01 | 13.81 | 12.68 | 12.89 | 11.46 | 12.22 | 11.07 | 10.39 | 8.83 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.70 | 11.30 | 10.82 | 12.30 | 11.03 | 10.96 | 10.27 | 9.59 | 8.06 | 7.71 | 7.46 |
| <i>AVERAGE COOPERATIVE</i> | | 16.53 | 14.30 | 13.16 | 13.40 | 12.21 | 12.76 | 11.60 | 10.91 | 9.48 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.41 | 11.16 | 10.76 | 12.08 | 10.96 | 10.94 | 10.26 | 9.58 | 8.05 | 7.71 | 7.46 |
| <i>AVERAGE COOPERATIVE</i> | | 16.32 | 14.08 | 12.93 | 13.12 | 11.91 | 12.54 | 11.37 | 10.67 | 9.27 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.40 | 11.16 | 10.75 | 12.12 | 11.00 | 10.98 | 10.30 | 9.64 | 8.12 | 7.78 | 7.53 |
| <i>AVERAGE COOPERATIVE</i> | | 16.32 | 14.08 | 12.93 | 13.12 | 11.91 | 12.54 | 11.37 | 10.67 | 9.27 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.33 | 11.08 | 10.67 | 11.98 | 10.96 | 10.93 | 10.22 | 9.52 | 8.08 | 7.77 | 7.53 |
| <i>AVERAGE COOPERATIVE</i> | | 16.19 | 13.94 | 12.80 | 12.96 | 11.83 | 12.38 | 11.26 | 10.59 | 9.19 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.11 | 10.86 | 10.32 | 11.62 | 10.66 | 10.62 | 9.93 | 9.25 | 7.81 | 7.51 | 7.27 |
| <i>AVERAGE COOPERATIVE</i> | | 16.19 | 13.94 | 12.80 | 12.96 | 11.83 | 12.38 | 11.26 | 10.59 | 9.19 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.20 | 10.95 | 10.41 | 11.58 | 10.70 | 10.66 | 9.97 | 9.29 | 7.85 | 7.55 | 7.31 |
| <i>AVERAGE COOPERATIVE</i> | | 16.19 | 13.94 | 12.80 | 12.96 | 11.83 | 12.38 | 11.26 | 10.59 | 9.19 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.03 | 10.89 | 10.41 | 11.75 | 10.94 | 10.74 | 10.05 | 9.38 | 7.94 | 7.64 | 7.41 |
| <i>AVERAGE COOPERATIVE</i> | | 16.17 | 13.93 | 12.78 | 12.94 | 11.81 | 12.37 | 11.24 | 10.57 | 9.18 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.09 | 10.95 | 10.46 | 11.80 | 10.99 | 10.79 | 10.11 | 9.43 | 8.00 | 7.70 | 7.46 |
| <i>AVERAGE COOPERATIVE</i> | | 16.20 | 13.95 | 12.81 | 12.97 | 11.84 | 12.39 | 11.27 | 10.60 | 9.20 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 12.14 | 11.00 | 10.52 | 11.86 | 11.05 | 10.84 | 10.16 | 9.49 | 8.05 | 7.75 | 7.51 |
| <i>AVERAGE COOPERATIVE</i> | | 15.79 | 13.55 | 12.40 | 12.57 | 11.52 | 12.08 | 10.96 | 10.28 | 8.89 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.67 | 10.40 | 9.91 | 11.25 | 10.43 | 10.24 | 9.56 | 8.93 | 7.45 | 7.15 | 7.01 |
| <i>AVERAGE COOPERATIVE</i> | | 15.14 | 12.89 | 11.74 | 11.93 | 10.88 | 11.44 | 10.31 | 9.64 | 8.25 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.67 | 10.40 | 9.91 | 11.25 | 10.43 | 10.24 | 9.56 | 8.93 | 7.45 | 7.15 | 104.87 |
| <i>AVERAGE COOPERATIVE</i> | | 15.14 | 12.89 | 11.74 | 11.93 | 10.88 | 11.44 | 10.31 | 9.64 | 8.25 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.62 | 10.34 | 9.86 | 11.20 | 10.38 | 10.19 | 9.50 | 8.88 | 7.39 | 7.10 | 6.95 |
| <i>AVERAGE COOPERATIVE</i> | | 15.13 | 12.88 | 11.73 | 11.92 | 10.87 | 11.43 | 10.31 | 9.63 | 8.24 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.60 | 10.33 | 9.84 | 11.18 | 10.36 | 10.17 | 9.49 | 8.87 | 7.38 | 7.10 | 6.94 |
| <i>AVERAGE COOPERATIVE</i> | | 15.72 | 13.48 | 12.32 | 12.51 | 11.47 | 12.02 | 10.90 | 10.23 | 8.83 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.60 | 10.33 | 9.98 | 11.29 | 10.47 | 10.33 | 9.63 | 8.99 | 7.52 | 7.24 | 7.08 |
| <i>AVERAGE COOPERATIVE</i> | | 15.68 | 13.46 | 12.31 | 12.50 | 11.47 | 12.02 | 10.90 | 10.23 | 8.86 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.70 | 10.42 | 10.07 | 11.38 | 10.57 | 10.42 | 9.72 | 9.08 | 7.61 | 7.33 | 7.17 |
| <i>AVERAGE COOPERATIVE</i> | | 15.98 | 13.76 | 12.61 | 12.80 | 11.77 | 12.32 | 11.20 | 10.53 | 9.16 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.69 | 10.42 | 10.07 | 11.38 | 10.56 | 10.42 | 9.71 | 9.08 | 7.61 | 7.33 | 7.17 |
| <i>AVERAGE COOPERATIVE</i> | | 15.94 | 13.72 | 12.57 | 12.76 | 11.73 | 12.28 | 11.16 | 10.49 | 9.12 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.66 | 10.38 | 10.04 | 11.35 | 10.53 | 10.39 | 9.68 | 9.05 | 7.58 | 7.30 | 7.14 |
| <i>AVERAGE COOPERATIVE</i> | | 15.96 | 13.73 | 12.58 | 12.78 | 11.74 | 12.30 | 11.18 | 10.50 | 9.14 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.51 | 10.34 | 9.91 | 11.34 | 10.57 | 10.33 | 9.64 | 9.02 | 7.46 | 7.23 | 7.06 |
| <i>AVERAGE COOPERATIVE</i> | | 15.94 | 13.72 | 12.57 | 12.76 | 11.73 | 12.28 | 11.16 | 10.49 | 9.12 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.54 | 10.37 | 9.94 | 11.35 | 10.59 | 10.35 | 9.67 | 9.04 | 7.49 | 7.25 | 7.09 |
| <i>AVERAGE COOPERATIVE</i> | | 15.94 | 13.72 | 12.57 | 12.76 | 11.73 | 12.28 | 11.16 | 10.49 | 9.12 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.57 | 10.54 | 10.11 | 11.52 | 10.60 | 10.51 | 9.82 | 9.21 | 7.65 | 7.41 | 7.25 |
| <i>AVERAGE COOPERATIVE</i> | | 15.98 | 13.76 | 12.61 | 12.80 | 11.77 | 12.32 | 11.20 | 10.53 | 9.16 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.58 | 10.55 | 10.13 | 11.53 | 10.61 | 10.52 | 9.83 | 9.22 | 7.66 | 7.42 | 7.26 |
| <i>AVERAGE COOPERATIVE</i> | | 15.98 | 13.76 | 12.61 | 12.80 | 11.77 | 12.32 | 11.20 | 10.53 | 9.16 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|--------------|-------------------------|---------------|---------------|-------------------|----------------|------------------|-------------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1,000 | 5 | 25 | 100 | 100 | 100 | 1,000 | 10,000 | 50,000 |
| | | <u>250</u> | <u>500</u> | <u>1,000</u> | <u>1,000</u> | <u>5,000</u> | <u>21,600</u> | <u>28,800</u> | <u>36,000</u> | <u>432,000</u> | <u>4,320,000</u> | <u>21,600,000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.58 | 10.55 | 10.12 | 11.53 | 10.61 | 10.51 | 9.83 | 9.21 | 7.66 | 7.42 | 7.26 |
| <i>AVERAGE COOPERATIVE</i> | | 15.98 | 13.76 | 12.61 | 12.80 | 11.77 | 12.32 | 11.20 | 10.53 | 9.14 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21600000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.08 | 10.09 | 9.69 | 11.06 | 10.20 | 10.10 | 9.42 | 8.81 | 7.22 | 6.99 | 6.84 |
| <i>AVERAGE COOPERATIVE</i> | | 15.25 | 13.03 | 11.88 | 12.07 | 11.04 | 11.59 | 10.47 | 9.80 | 8.56 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 12.95 | 11.41 | 10.67 | 11.51 | 10.58 | 10.77 | 9.89 | 9.25 | 7.82 | 6.99 | 6.84 |

Source: Michigan Public Service Commission Utility Rate Books

Compiled by the Regulated Energy Division

Corrected CE Residential October 2009

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

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21600000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.05 | 10.07 | 9.66 | 11.03 | 10.17 | 10.08 | 9.40 | 8.78 | 7.19 | 6.96 | 6.81 |
| <i>AVERAGE COOPERATIVE</i> | | 15.73 | 13.51 | 12.36 | 12.55 | 11.52 | 12.07 | 10.95 | 10.28 | 9.04 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21600000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.09 | 10.10 | 9.70 | 11.06 | 10.21 | 10.12 | 9.44 | 8.83 | 7.23 | 7.00 | 6.86 |
| <i>AVERAGE COOPERATIVE</i> | | 15.00 | 12.88 | 11.79 | 12.05 | 11.12 | 11.60 | 10.57 | 9.96 | 8.77 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21600000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.08 | 10.09 | 9.76 | 11.05 | 10.20 | 10.11 | 9.43 | 8.82 | 7.22 | 6.99 | 6.85 |
| <i>AVERAGE COOPERATIVE</i> | | 14.95 | 12.84 | 11.75 | 12.01 | 11.08 | 11.56 | 10.53 | 9.91 | 8.73 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------------|--------------------------|----------------------------|----------------------------|----------------------------|------------------------------|--------------------------------|---------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | <u>5</u> <u>1000</u> | <u>25</u> <u>5000</u> | <u>100</u> <u>21600</u> | <u>100</u> <u>28800</u> | <u>100</u> <u>36000</u> | <u>1000</u> <u>432000</u> | <u>10000</u> <u>4320000</u> | <u>50000</u> <u>21600000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.07 | 10.08 | 9.75 | 11.04 | 10.20 | 10.11 | 9.43 | 8.81 | 7.21 | 6.98 | 6.84 |
| <i>AVERAGE COOPERATIVE</i> | | 15.00 | 12.88 | 11.79 | 12.05 | 11.12 | 11.60 | 10.57 | 9.96 | 8.77 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21600000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 10.92 | 9.93 | 9.60 | 10.87 | 10.02 | 9.93 | 9.25 | 8.63 | 7.09 | 6.86 | 6.71 |
| <i>AVERAGE COOPERATIVE</i> | | 15.00 | 12.89 | 11.79 | 11.84 | 10.92 | 11.37 | 10.34 | 9.73 | 8.60 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|---------------|----------------|-----------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21600000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 10.85 | 9.87 | 9.54 | 10.85 | 10.00 | 9.92 | 9.25 | 8.64 | 7.05 | 6.85 | 6.70 |
| <i>AVERAGE COOPERATIVE</i> | | 14.78 | 12.68 | 11.60 | 11.97 | 11.05 | 11.50 | 10.48 | 9.86 | 8.73 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|---------------|----------------|-----------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 10.88 | 9.90 | 9.50 | 10.88 | 10.03 | 9.95 | 9.27 | 8.64 | 7.09 | 6.88 | 6.74 |
| <i>AVERAGE COOPERATIVE</i> | | 14.78 | 12.68 | 11.60 | 11.97 | 11.05 | 11.50 | 10.48 | 9.86 | 8.73 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | | |
| <i>AVERAGE INVESTOR OWNED</i> | 10.94 | 9.96 | 9.56 | 10.94 | 10.09 | 10.01 | 9.33 | 8.70 | 7.14 | 6.94 | 6.80 | |
| <i>AVERAGE COOPERATIVE</i> | 14.78 | 12.69 | 11.61 | 11.98 | 11.06 | 11.51 | 10.48 | 9.87 | 8.74 | | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | | |
| <i>AVERAGE INVESTOR OWNED</i> | 11.02 | 10.05 | 9.64 | 11.02 | 10.18 | 10.10 | 9.42 | 8.79 | 7.23 | 7.03 | 6.88 | |
| <i>AVERAGE COOPERATIVE</i> | 14.75 | 12.66 | 11.57 | 11.94 | 11.02 | 11.48 | 10.45 | 9.84 | 8.71 | | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|---------------|----------------|-----------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.12 | 10.10 | 9.69 | 11.07 | 10.23 | 10.15 | 9.47 | 8.84 | 7.28 | 7.08 | 6.93 |
| <i>AVERAGE COOPERATIVE</i> | | 14.75 | 12.66 | 11.57 | 11.94 | 11.02 | 11.48 | 10.45 | 9.84 | 8.71 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------------|--------------------------|----------------------------|----------------------------|----------------------------|------------------------------|--------------------------------|---------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | <u>5</u> <u>1000</u> | <u>25</u> <u>5000</u> | <u>100</u> <u>21600</u> | <u>100</u> <u>28800</u> | <u>100</u> <u>36000</u> | <u>1000</u> <u>432000</u> | <u>10000</u> <u>4320000</u> | <u>50000</u> <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 11.08 | 10.06 | 9.65 | 11.03 | 10.19 | 10.11 | 9.43 | 8.80 | 7.24 | 7.04 | 6.89 |
| <i>AVERAGE COOPERATIVE</i> | | 14.76 | 12.66 | 11.58 | 11.95 | 11.03 | 11.48 | 10.45 | 9.84 | 8.71 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | | |
| <i>AVERAGE INVESTOR OWNED</i> | 10.67 | 9.65 | 9.24 | 10.62 | 9.77 | 9.70 | 9.02 | 8.39 | 6.83 | 6.63 | 6.48 | |
| <i>AVERAGE COOPERATIVE</i> | 14.46 | 12.36 | 11.28 | 11.65 | 10.73 | 11.18 | 10.16 | 9.54 | 8.41 | | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 10.43 | 9.41 | 9.01 | 10.38 | 9.54 | 9.46 | 8.78 | 8.15 | 6.59 | 6.39 | 6.25 |
| <i>AVERAGE COOPERATIVE</i> | | 14.46 | 12.36 | 11.28 | 11.65 | 10.73 | 11.18 | 10.16 | 9.54 | 8.41 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | | |
| <i>AVERAGE INVESTOR OWNED</i> | 10.43 | 9.41 | 9.01 | 10.38 | 9.54 | 9.46 | 8.78 | 8.15 | 6.59 | 6.39 | 6.25 | |
| <i>AVERAGE COOPERATIVE</i> | 14.46 | 12.36 | 11.28 | 11.65 | 10.73 | 11.18 | 10.16 | 9.54 | 8.41 | | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | | |
| <i>AVERAGE INVESTOR OWNED</i> | 10.19 | 9.17 | 8.84 | 10.14 | 9.29 | 9.21 | 8.54 | 7.91 | 6.35 | 6.14 | 6.01 | |
| <i>AVERAGE COOPERATIVE</i> | 14.57 | 12.48 | 11.39 | 11.76 | 10.84 | 11.30 | 10.27 | 9.66 | 8.53 | | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | | |
| <i>AVERAGE INVESTOR OWNED</i> | 10.58 | 9.56 | 9.23 | 10.53 | 9.68 | 9.60 | 8.93 | 8.30 | 6.74 | 6.53 | 6.40 | |
| <i>AVERAGE COOPERATIVE</i> | 14.37 | 12.32 | 11.26 | 11.67 | 10.78 | 11.20 | 10.18 | 9.57 | 8.40 | | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| ALGER DELTA | 16.71 | 14.31 | 13.11 | 13.01 | 13.46 | 13.10 | 11.96 | 11.28 | 10.80 | | | |
| CHERRYLAND | 14.38 | 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 | | | |
| <i>AVERAGE INVESTOR OWNED</i> | 10.58 | 9.55 | 9.22 | 10.54 | 9.69 | 9.61 | 8.93 | 8.30 | 6.74 | 6.54 | 6.39 | |
| <i>AVERAGE COOPERATIVE</i> | 14.24 | 12.19 | 11.13 | 11.54 | 10.64 | 11.07 | 10.05 | 9.43 | 8.30 | | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|--------------------|------------|-------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|----------------|-----------------|
| | <i>kW</i> | | | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| ALGER DELTA | 16.71 | 14.31 | 13.11 | 13.01 | 13.46 | 13.10 | 11.96 | 11.28 | 10.80 | | |
| CHERRYLAND | 14.66 | 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 9.37 | 8.50 | 8.25 | 9.54 | 8.79 | 8.58 | 8.05 | 7.50 | 5.30 | 5.10 | 4.93 |
| <i>AVERAGE COOPERATIVE</i> | 14.24 | 12.19 | 11.13 | 11.54 | 10.64 | 11.07 | 10.05 | 9.43 | 8.31 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|--------------------|------------|-------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|----------------|-----------------|
| | <i>kW</i> | | | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| ALGER DELTA | 16.71 | 14.31 | 13.11 | 13.01 | 13.46 | 13.10 | 11.96 | 11.28 | 10.80 | | |
| CHERRYLAND | 14.66 | 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 10.35 | 9.43 | 9.12 | 10.43 | 9.61 | 9.46 | 8.84 | 8.24 | 6.76 | 6.56 | 6.39 |
| <i>AVERAGE COOPERATIVE</i> | 14.07 | 12.12 | 11.11 | 11.54 | 10.72 | 10.67 | 9.76 | 9.22 | 8.29 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|--------------------|------------|-------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|----------------|-----------------|
| | <i>kW</i> | | | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| ALGER DELTA | 16.71 | 14.31 | 13.11 | 13.01 | 13.46 | 13.10 | 11.96 | 11.28 | 10.80 | | |
| CHERRYLAND | 14.66 | 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 10.31 | 9.38 | 9.00 | 10.39 | 9.57 | 9.41 | 8.79 | 8.19 | 6.72 | 6.52 | 6.35 |
| <i>AVERAGE COOPERATIVE</i> | 14.07 | 12.12 | 11.11 | 11.54 | 10.72 | 10.67 | 9.76 | 9.22 | 8.29 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

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

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|---------------|----------------|-----------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| ALGER DELTA | | 16.71 | 14.31 | 13.11 | 13.01 | 13.46 | 13.10 | 11.96 | 11.28 | 10.80 | | |
| CHERRYLAND | | 14.19 | 11.79 | 10.59 | 10.40 | 9.20 | 10.31 | 9.05 | 8.30 | 7.10 | | |
| CLOVERLAND | | 11.85 | 10.05 | 8.82 | 9.47 | 8.67 | 8.16 | 7.50 | 7.11 | 5.72 | | |
| GREAT LAKES | | 13.07 | 11.07 | 10.07 | 11.27 | 10.07 | 9.98 | 9.11 | 8.59 | 5.74 | | |
| MIDWEST ENERGY | | 13.16 | 10.76 | 9.56 | 9.76 | 8.64 | 8.94 | 7.94 | 7.35 | 8.18 | | |
| ONTONAGON | | 17.22 | 15.82 | 15.12 | 15.29 | 14.66 | 14.33 | 13.47 | 12.94 | 10.79 | | |
| PRESQUE ISLE | | 12.35 | 10.88 | 10.15 | 10.52 | 9.89 | 7.01 | 7.00 | 7.00 | 8.66 | | |
| THUMB | | 11.66 | 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 10.21 | 9.28 | 8.91 | 10.24 | 9.47 | 9.31 | 8.70 | 8.10 | 6.61 | 6.42 | 6.27 |
| <i>AVERAGE COOPERATIVE</i> | | 13.82 | 11.87 | 10.86 | 11.29 | 10.47 | 10.42 | 9.51 | 8.97 | 8.04 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

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

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

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|-------------------------------------|-------------------------|------------|------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|---------------|----------------|-----------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

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

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 | |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|---------------|----------------|-----------------|
| | <i>kW</i> <i>kWh</i> | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 9.36 | 8.44 | 7.89 | 9.50 | 8.77 | 8.61 | 7.99 | 7.39 | 5.85 | 5.58 | 5.51 |
| <i>AVERAGE COOPERATIVE</i> | | 12.36 | 10.51 | 9.55 | 10.04 | 9.23 | 9.47 | 8.57 | 7.99 | 6.80 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|------------------|-------------------------|---------------------|---------------------|---------------------|-----------------------|-------------------------|--------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | 5 <u>1000</u> | 25 <u>5000</u> | 100 <u>21600</u> | 100 <u>28800</u> | 100 <u>36000</u> | 1000 <u>432000</u> | 10000 <u>4320000</u> | 50000 <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | 9.40 | 8.47 | 8.17 | 9.53 | 8.80 | 8.65 | 8.03 | 7.43 | 5.89 | 5.61 | 5.54 |
| <i>AVERAGE COOPERATIVE</i> | | 12.27 | 10.43 | 9.47 | 9.96 | 9.14 | 9.39 | 8.49 | 7.90 | 6.72 | | |
| <i>AVERAGE ALL COMPANIES</i> | | 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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|----------------------------------|-------------------------|------------|-------------|-------------------------|--------------------------|----------------------------|----------------------------|----------------------------|------------------------------|--------------------------------|---------------------------------|
| | <i>kW</i> <i>kWh</i> | | | | | | | | | | |
| | <u>250</u> | <u>500</u> | <u>1000</u> | <u>5</u> <u>1000</u> | <u>25</u> <u>5000</u> | <u>100</u> <u>21600</u> | <u>100</u> <u>28800</u> | <u>100</u> <u>36000</u> | <u>1000</u> <u>432000</u> | <u>10000</u> <u>4320000</u> | <u>50000</u> <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | 8.57 | 7.65 | 7.43 | 8.16 | 7.37 | 6.47 | 6.02 | 5.81 | 4.55 | 4.23 | 4.17 |
| <i>AVERAGE COOPERATIVE</i> | 12.07 | 10.22 | 9.26 | 9.75 | 8.94 | 9.18 | 8.28 | 7.70 | 6.51 | | |
| <i>AVERAGE ALL COMPANIES</i> | 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**

| | <u>Residential</u> | | | <u>Small Commercial</u> | | <u>Large Commercial</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|--------------------|---------|---------|-------------------------|-----------|-------------------------|--------------|--------------|-------------------|----------------|------------------|-------------------|
| | kW kWh | 250 | 500 | 1000 | 5 1000 | 25 5000 | 100 21600 | 100 28800 | 100 36000 | 1000 432000 | 10000 4320000 | 50000 21500000 |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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 | | |
| <i>AVERAGE INVESTOR OWNED</i> | | \$0.087 | \$0.079 | \$0.077 | \$0.090 | \$0.083 | \$0.081 | \$0.075 | \$0.069 | \$0.056 | \$0.053 | \$0.052 |
| <i>AVERAGE COOPERATIVE</i> | | \$0.116 | \$0.100 | \$0.092 | \$0.097 | \$0.090 | \$0.093 | \$0.085 | \$0.079 | \$0.061 | | |
| <i>AVERAGE ALL COMPANIES</i> | | \$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**

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | | |
|----------------------------------|-------------------------|------------|------------|-------------------------|-------------------------|--------------------------|----------------------------|----------------------------|----------------------------|------------------------------|--------------------------------|---------------------------------|
| | <i>kW</i> <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | <u>5</u> <u>1000</u> | <u>25</u> <u>5000</u> | <u>100</u> <u>21600</u> | <u>100</u> <u>28800</u> | <u>100</u> <u>36000</u> | <u>1000</u> <u>432000</u> | <u>10000</u> <u>4320000</u> | <u>50000</u> <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | | |
| 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**

| <i>kW</i> <i>kWh</i> | <u>RESIDENTIAL</u> | | <u>SMALL COMMERCIAL</u> | | | <u>LARGE COMMERCIAL</u> | | <u>INDUSTRIAL</u> | | | |
|----------------------------|--------------------|------------|-------------------------|-------------|-------------|-------------------------|--------------|-------------------|---------------|----------------|-----------------|
| | <u>250</u> | <u>500</u> | <u>1000</u> | <u>5</u> | <u>25</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>1000</u> | <u>10000</u> | <u>50000</u> |
| | | | | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| <u>INVESTOR OWNED</u> | | | | | | | | | | | |
| 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 |
| <u>COOPERATIVES</u> | | | | | | | | | | | |
| ALGER DELTA | 10.8 | 9.1 | 8.2 | 8.4 | 8.7 | 8.4 | 7.3 | 6.7 | 6.3 | | |
| CHERRYLAND | 11.5 | 10.0 | 9.3 | 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

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

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

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

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

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

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

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

| | <u>RESIDENTIAL</u> | | | <u>SMALL COMMERCIAL</u> | | <u>LARGE COMMERCIAL</u> | | | <u>INDUSTRIAL</u> | | |
|--------------------------|--------------------|------------|-------------|-------------------------|-------------|-------------------------|--------------|--------------|-------------------|----------------|-----------------|
| | <i>kW</i> | | | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| <i>kWh</i> | <u>250</u> | <u>500</u> | <u>1000</u> | <u>1000</u> | <u>5000</u> | <u>21600</u> | <u>28800</u> | <u>36000</u> | <u>432000</u> | <u>4320000</u> | <u>21500000</u> |
| 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 | | |
|--------------------------|-------------|------|------|------------------|------|------------------|-------|-------|------------|---------|----------|
| | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | | | 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 | | |
|--------------------------|-------------|------|------|------------------|------|------------------|-------|-------|------------|---------|----------|
| | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | | | 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 | | |
|--------------------------|-------------|------|------|------------------|------|------------------|-------|-------|------------|---------|----------|
| | 250 | 500 | 1000 | 5 | 25 | 100 | 100 | 100 | 1000 | 10000 | 50000 |
| | | | | 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 | | |