

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



**RESIDENTIAL ELECTRIC SERVICE
RATE NO. 1**

Availability - This rate is available to any single-family or multifamily dwelling of 4 units or less when the entire electric requirements are supplied at one point of delivery through one meter. Service to appurtenant buildings may be taken through the same meter.

Service under this rate is not available to any single-family or multifamily dwelling unit of 4 units or less when a portion of the dwelling unit is used for commercial, industrial, or resale purposes unless the wiring is so arranged that service for residential and non-residential purposes are metered separately.

Nature of Service - The service is alternating current, 60 hertz, single phase, 120/240 nominal volts.

Monthly Rate - Shall be computed in accordance with the following charges:

Basic Service Charge	11/1/14	
	\$10.00	Per customer per month
Commodity Charge		Summer Billing Months of June through October
	\$0.1197	Per kWh for the first 500 kWh
	\$0.1252	Per kWh for all over 500 kWh
		Winter Billing Months of November through May
	\$0.1197	Per kWh for the first 500 kWh
	\$0.1232	Per kWh for all over 500 kWh

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Energy Cost Adjustment - This rate is subject to an Energy Cost Adjustment factor added to the above energy charges and calculated as defined on a separate rate schedule incorporated herein by this reference.

Environmental Charge – This rate is subject to an Environmental Charge as defined on a separate rate schedule incorporated herein by this reference. The current Environmental Charge is \$0.0025/kWh.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Energy Optimization Surcharge – This rate is subject to the Energy Optimization Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the Board of Water and Light (BWL) property, or its operation, or the production and/or sale of electric energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Application Charge - A \$10.00 charge shall be added to the first regular bill for all customers turning on service at a service location irrespective of prior service with the BWL.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



**GENERAL ELECTRIC SERVICE
RATE NO. 3**

Availability - This rate is available to any customer desiring secondary voltage service for any purpose when supplied at one point of delivery through one meter. The limitation to secondary-voltage service may be waived in instances where the character of the electric load at the premises served has changed substantially. This rate is not available for emergency or standby service.

Nature of Service - The service is alternating current, 60 hertz, single phase or three phase. The secondary voltage is determined by the Board of Water and Light (BWL).

Monthly Rate - Shall be computed in accordance with the following charges.

Basic Service Charge	<u>11/1/14</u> \$24.00	per customer per month
Commodity Charge	\$0.1342	Summer Billing Months of June through October per kWh
	\$0.1303	Winter Billing Months of November through May per kWh

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Energy Cost Adjustment - This rate is subject to an Energy Cost Adjustment factor added to the above energy charges and calculated as defined on a separate rate schedule incorporated herein by this reference.

Environmental Charge – This rate is subject to an Environmental Charge as defined on a separate rate schedule incorporated herein by this reference. The current Environmental Charge is \$0.0025/kWh.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Energy Optimization Surcharge – This rate is subject to the Energy Optimization Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the BWL property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Metering - Where the BWL elects to measure the service on the primary side of the transformers, the metered kWh thus measured will be reduced by 3% for billing purposes to adjust for transformer losses. Where the customer receives service through more than one meter, the consumption as registered by the different meters will not be combined for billing purposes, but will be computed and billed separately.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Application Charge - A \$10.00 charge shall be added to the first regular bill for all customers turning on service at a service location irrespective of prior service with the BWL.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Effective: November 1, 2014

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



**LARGE GENERAL ELECTRIC SERVICE
RATE NO. 4**

Availability - This rate is available to any customer desiring secondary voltage for any purpose when the electrical requirements are supplied at one point of delivery through one metering installation and the billing demand is 15 kW or more. The limitation to secondary-voltage service may be waived in instances where the character of the electric load at the premises served has changed substantially. This rate is not available for standby or emergency services.

Nature of Service - The service is alternating current, 60 hertz, single phase or three phase. The secondary voltage is determined by the Board of Water and Light (BWL).

Monthly Rate - Shall be computed in accordance with the following charges.

	<u>11/1/14</u>	
Basic Service Charge	\$50.00	per customer per month
Capacity Charge	\$11.76	Per kW for all kW of Maximum Demand
Commodity Charge		Summer Billing Months of June through October
	\$0.0877	Per kWh
		Winter Billing Months of November through May
	\$0.0832	Per kWh
Reactive Power Charge	\$0.0106	per kvarh in excess of 50% of total kWh.

The Reactive Power Charge shall be applicable to customers who have reactive kilovar hour (kvarh) metering installed in accordance with BWL Rules and Regulations regarding power factor.

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Energy Cost Adjustment - This rate is subject to an Energy Cost Adjustment factor added to the above energy charges and calculated as defined on a separate rate schedule incorporated herein by this reference.

Environmental Charge – This rate is subject to an Environmental Charge as defined on a separate rate schedule incorporated herein by this reference. The current Environmental Charge is \$0.0025/kWh.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Energy Optimization Surcharge – This rate is subject to the Energy Optimization Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the BWL property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Billing Demand - The billing demand shall be the kW supplied during the 15-minute period of maximum use during the month.

Metering - Where the BWL elects to measure the service on the primary side of the transformer, the metered kW and kWh quantities thus measured will be reduced by 3% for billing purposes to adjust for transformer losses. Where the customer receives service through more than one metering installation, the consumption as registered by the different metering installations will not be combined for billing purposes, but will be computed and billed separately.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Application Charge - A \$10.00 charge shall be added to the first regular bill for all customers turning on service at a service location irrespective of prior service with the BWL.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Effective: November 1, 2014

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



**PRIMARY ELECTRIC SERVICE
RATE NO. 5**

Availability - This rate is available to any customer desiring primary voltage service when the electrical requirements are supplied at one point of delivery through one metering installation (except as provided below for Multiple Delivery Point Aggregation) and the billing demand is 100 kW or more. This rate is not available for standby or emergency service.

Nature of Service - The service is alternating current, 60 hertz, three phase. The primary voltage is determined by the Board of Water and Light (BWL).

Monthly Rate - Shall be computed in accordance with the following charges:

	<u>11/1/14</u>	
Basic Service Charge	\$125.00	per customer per month
Capacity Charge	\$9.53	Per kW for all kW of On-Peak Billing Demand, plus
	\$3.16	Per kW for all kW of Maximum Demand
Commodity Charge		Summer Billing Months of June through October
	\$0.0813	Per kWh for all kWh during the On-Peak Period, plus
	\$0.0769	Per kWh for all kWh during the Off-Peak Period, plus
		Winter Billing Months of November through May
	\$0.0789	Per kWh for all kWh during the On-Peak Period, plus
	\$0.0769	Per kWh for all kWh during the Off-Peak Period
Reactive Power Charge	\$0.0106	per kvarh in excess of 50% of total kWh

The Reactive Power Charge shall be applicable to customers who have reactive kilovar hour (kvarh) metering installed in accordance with BWL Rules and Regulations regarding power factor.

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Energy Cost Adjustment - This rate is subject to an Energy Cost Adjustment factor added to the above energy charges and calculated as defined on a separate rate schedule incorporated herein by this reference.

Environmental Charge – This rate is subject to an Environmental Charge as defined on a separate rate schedule incorporated herein by this reference. The current Environmental Charge is \$0.0025/kWh.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Energy Optimization Surcharge – This rate is subject to the Energy Optimization Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the Board's property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Billing Demand

On-Peak Billing Demand: The On-Peak Billing Demand shall be the kW supplied during the 15-minute period of maximum use during the On-Peak Period during the month.

Maximum Demand: The Maximum Demand shall be the kW supplied during the 15-minute period of maximum use during the month whether on-peak or off-peak.

Schedule of on-peak and off-peak periods - The On-Peak Period shall be from 10:00 a.m. until 6:00 p.m., Monday through Friday. All other hours shall comprise the Off-Peak Period.

Effective: November 1, 2014



**PRIMARY ELECTRIC SERVICE
RATE NO. 5**

Multiple Delivery Point Aggregation - The 15-minute period demands of multiple delivery points of a customer may be summed for determination of the total On-Peak Billing Demand under the following conditions: (a) the Maximum Demand at each delivery point must equal or exceed 100 kW; (b) the total On-Peak Billing Demand shall not be less than 4,000 kW; and (c) the customer shall agree to a service contract with the BWL for the customer's full electrical service requirements at the aggregated delivery points for a period of not less than five (5) years. Aggregation shall be applicable for determination of the On-Peak Billing Demand only. All other charges, including the Basic Service Charge and Maximum Demand, shall apply to each delivery point independently.

Metering - When the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh quantities thus measured will be increased by 3% for billing purposes to adjust for transformer losses. Where the customer receives service through more than one meter installation, consumption as registered by the different meter installations will not be combined for billing purposes, but will be billed and computed separately except as provided for in Multiple Delivery Point Aggregation.

Equipment Supplied by Customer - The customer shall be responsible for furnishing, installing and maintaining all necessary transforming, controlling and protective equipment required for service beyond the BWL primary-voltage delivery point. At the sole option of the BWL, a customer may lease such transformers or other equipment from the BWL under terms established by the BWL.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Application Charge - A \$10.00 charge shall be added to the first regular bill for all customers turning on service at a service location irrespective of prior service with the BWL.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



**MUNICIPAL WATER PUMPING ELECTRIC SERVICE
RATE NO. 7**

Availability - This rate is available to any political subdivision or agency of the State of Michigan desiring service for potable water pumping and associated potable water production equipment when the entire electrical requirements are supplied at one point of delivery through one meter. This rate is not available for emergency, standby, or auxiliary service.

Nature of Service - The service is alternating current, 60 hertz, three phase. The secondary or primary voltage is determined by the BWL.

Monthly Rate - Shall be computed in accordance with the following charges.

	<u>11/1/14</u>	
Basic Service Charge	\$16.00	Per customer per month
Commodity Charge	\$0.1102	Per kWh

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Energy Cost Adjustment - This rate is subject to an Energy Cost Adjustment factor added to the above energy charges and calculated as defined on a separate rate schedule incorporated herein by this reference.

Environmental Charge – This rate is subject to an Environmental Charge as defined on a separate rate schedule incorporated herein by this reference. The current Environmental Charge is \$0.0025/kWh.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Energy Optimization Surcharge – This rate is subject to the Energy Optimization Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the BWL property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Metering - Where the BWL elects to measure the service on the primary side of the transformers serving the customer, the metered kWh thus measured will be reduced 3% for billing purposes to adjust for transformer losses.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Application Charge - A \$10.00 charge shall be added to the first regular bill for all customers turning on service at a service location irrespective of prior service with the BWL.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



**LARGE CAPACITY ELECTRIC SERVICE
RATE NO. 8**

Availability - This rate is available to any customer desiring primary voltage service when: (a) the electrical requirements are supplied at one or more points of delivery as provided below for Multiple Delivery Point Aggregation; (b) where the total On-Peak Billing Demand is 25,000 kW or more; and (c) the customer agrees to a service contract with the BWL for the customer's full electrical service requirements at the applicable delivery points for a period of not less than ten (10) years. This rate is not available for standby or emergency service.

Nature of Service - The service is alternating current, 60 hertz, three phase. The primary voltage is determined by the Board of Water and Light (BWL).

Monthly Rate - Shall be computed in accordance with the following charges:

Basic Service Charge	<u>11/1/14</u> \$400.00	per delivery point per month
Capacity Charge	\$ 10.74 \$ 2.02	per kW for all kW of On-Peak Billing Demand, plus per kW for all kW of Maximum Demand
Commodity Charge	Summer Billing Months of June through October	
	\$0.0752 \$0.0696	per kWh for all kWh during the On-Peak Period, plus per kWh for all kWh during the Off-Peak Period, plus
	Winter Billing Months of November through May	
	\$0.0736 \$0.0696	per kWh for all kWh during the On-Peak Period, plus per kWh for all kWh during the Off-Peak Period
Reactive Power Charge	\$0.0106	Per k varh in excess of 50% of total kWh

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Energy Cost Adjustment - This rate is subject to an Energy Cost Adjustment factor added to the above energy charges and calculated as defined on a separate rate schedule incorporated herein by this reference.

Environmental Charge – This rate is subject to an Environmental Charge as defined on a separate rate schedule incorporated herein by this reference. The current Environmental Charge is \$0.0025/kWh.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Energy Optimization Surcharge – This rate is subject to the Energy Optimization Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the Board's property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Billing Demand

On-Peak Billing Demand: The On-Peak Billing Demand shall be the total kW supplied to all applicable delivery points during the 15-minute period of maximum use during the On-Peak Period during the month. (See Multiple Delivery Point Aggregation.)

Maximum Demand: The Maximum Demand for each delivery point shall be the kW supplied during the 15-minute period of maximum use during the month whether on-peak or off-peak.

Effective: November 1, 2014



**LARGE CAPACITY ELECTRIC SERVICE
RATE NO. 8**

Schedule of on-peak and off-peak periods - The On-Peak Period shall be from 10:00 a.m. until 6:00 p.m., Monday through Friday. All other hours shall comprise the Off-Peak Period.

Multiple Delivery Point Aggregation - The 15-minute period demands of multiple delivery points of a customer shall be summed for determination of the total On-Peak Billing Demand under the following conditions: (a) the Maximum Demand determined at each delivery point must equal or exceed 1,000 kW; and (b) the total On-Peak Billing Demand shall not be less than 25,000 kW. Aggregation shall be applicable for determination of the On-Peak Billing Demand only. All other charges, including the Basic Service Charge and Maximum Demand, shall apply to each delivery point independently.

Metering - When the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh quantities thus measured will be increased by 3% for billing purposes to adjust for transformer losses. Where the customer receives service through more than one meter installation, consumption as registered by the different meter installations will not be combined for billing purposes, but will be billed and computed separately except as provided for Multiple Delivery Point Aggregation.

Equipment Supplied by Customer - The customer shall be responsible for furnishing, installing and maintaining all necessary transforming, controlling and protective equipment required for service beyond the BWL primary-voltage delivery point. At the sole option of the BWL, a customer may lease such transformers or other equipment from the BWL under terms established by the BWL.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Application Charge - A \$10.00 charge shall be added to the first regular bill for all customers turning on service at a service location irrespective of prior service with the BWL.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.



**OUTDOOR LIGHTING SERVICE
RATE NO. 9**

Availability - This rate is available to any customer located within the Board of Water and Light (BWL) service area for dusk to dawn lighting of customer’s premises. The BWL furnishes and maintains all lights. The installation will overhang private property from existing or new poles set at points accessible to BWL construction and maintenance equipment. This rate is not available for purposes of street, highway, or public thoroughfare lighting.

Monthly Rate - Shall be computed in accordance with the following charges.

Luminaires on Overhead Mast Arm on existing BWL poles

High Pressure Sodium	<u>11/1/14</u>
100 W	\$12.59
250 W	\$19.99
400 W	\$22.72
Mercury Vapor¹	
175 W	\$13.22
400 W	\$22.72
LED	
End Mount	\$10.49

Floodlighting Luminaires on Bracket Arm on existing BWL poles

High Pressure Sodium	
100 W	\$16.74
250 W	\$22.53
400 W	\$26.42
Metal Halide	
400 W	\$32.83
1000 W	\$56.79
1500 W	\$78.80
LED	
Flood	\$20.58

In the event additional facilities or rearrangement of existing facilities is required, the BWL shall install, operate and maintain such facilities for the following monthly charges.

Type of Facilities

	<u>11/1/14</u>	
35-foot wood poles including span of overhead secondary extension	\$14.30	Per pole
37-foot concrete pole including span of overhead secondary extension	\$23.71	Per pole
Other facilities, hand set poles, or rearrangement of existing facilities	1.67%	of estimated cost

Effective: November 1, 2014

¹ Rates apply to existing luminaires only and are not open to new business.



**OUTDOOR LIGHTING SERVICE
RATE NO. 9**

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the Board's property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Service Contract - A written service agreement shall be entered into to take BWL service for a term of years determined as follows:

- (a) One year, if additional facilities are not required, or
- (b) Three years, if additional facilities are required
- (c) Five years, for metal halide lamps or if monthly charges calculated at 1.67% of estimated cost,
- (d) Ten years, if special contractual arrangements are made.

In the event the customer discontinues service before the end of the agreement term, the established rate for the remaining portion of the agreement shall immediately become due and payable. The BWL will replace lamps or make repairs when practicable after the customer has reported that the installation requires servicing. Such replacements and repairs will be made during regular working hours. The BWL may refuse or restrict the service provided in this rate to seasonal type customers and/or may require such customers to pay for the service annually in advance where the permanency of the customer is doubtful or has not been demonstrated by the customer. If relocation, including adjustment, of the outdoor protective light or relocation of other facilities used in connection with the light is desired by the customer during the term of the contract, the BWL will provide this service, if feasible, at the customer's expense.

Effective: November 1, 2014

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



Availability - This rate is available to any political subdivision or agency of the State of Michigan desiring unmetered secondary service for operating traffic lights installed on streets or highways for traffic control and guidance.

Nature of Service - The service is alternating current, 60 hertz, single phase, 120/240 nominal volts

Monthly Rate - Shall be computed in accordance with the following charges.

	<u>11/1/14</u>	
Basic Service Charge	\$3.00	Per customer per month
Commodity Charge	\$0.0417	Per watt of active load per month

The actual labor, material, miscellaneous and indirect charges experienced maintaining and relamping traffic signals during the preceding month.

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the Board's property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Determination of Active Load - The active load of flasher lamps or cyclically operated traffic control lamps shall be 50% of total wattage of all lamps used during one complete cycle of operation. The active load of continuous, non-intermittent steady burning lamps shall be 100% of the total wattage of all lamps used.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Effective: November 1, 2014



Board of Water and Light, Lansing, Michigan – Electric Utility Rates

**SPACE CONDITIONING AND
ELECTRIC WATER HEATING SERVICE
RATE NO. 12**

Availability - This rate is available to any customer desiring service for commercial/industrial space conditioning and/or electric water heating furnished through a separate meter to which no other electrical device except electric space heating, electric air conditioning, humidity control equipment or electric water heating equipment may be connected. Electric space heating will be considered to include heating by light system provided the primary means of space heating at the time of maximum heating requirements will be furnished by the lighting system with the balance of the heating requirements furnished by supplementary electric heating equipment. This rate is not available to new applications for heat for light systems received after March 1, 1979. This rate is not applicable to the use of electricity for electric air conditioning unless the customer has permanently installed electric space heating equipment and uses it as the principal source of space heating, or to the use of electricity for occasional or seasonal substitute for another method of water heating.

Nature of Service - The service is alternating current, 60 hertz, single phase at Board of Water and Light (BWL) available secondary voltage. Three phase service will be furnished at BWL option.

Monthly Rate - Shall be computed in accordance with the following charges.

Basic Service Charge	<u>11/1/14</u> \$30.00
Commodity Charge	Summer Billing Months of June through October \$0.1487 per kWh Winter Billing Months of November through May \$0.1056 per kWh

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Energy Cost Adjustment - This rate is subject to an Energy Cost Adjustment factor added to the above energy charges and calculated as defined on a separate rate schedule incorporated herein by this reference.

Environmental Charge – This rate is subject to an Environmental Charge as defined on a separate rate schedule incorporated herein by this reference. The current Environmental Charge is \$0.0025/kWh.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Energy Optimization Surcharge – This rate is subject to the Energy Optimization Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bill shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the BWL property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Application Charge - A \$10.00 charge shall be added to the first regular bill for all customers turning on service at a service location irrespective of prior service with the BWL.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Effective: November 1, 2014

Board of Water and Light, Lansing, Michigan – Electric Utility Rates

RATE NO. 21

Availability - This rate is available to any single family or multifamily dwelling of 4 units or less when the entire electric requirements are supplied at one point of delivery through the same meter. The customer must be 65 years of age or older and head of the household being served. Service to appurtenant buildings may be taken through the same meter.

Service under this rate is not available to any single family or multifamily dwelling of 4 units or less unit when a portion of the residence or dwelling unit is used for commercial, industrial, or resale purposes unless the wiring is so arranged that service for residential and non-residential purposes are metered separately.

Customers taking service under this rate shall provide evidence of age and contract with the Board of Water and Light (BWL) to remain on this rate for at least twelve (12) months.

Nature of Service - The service is alternating current, 60 hertz, single phase, 120/240 nominal volts.

Monthly Rate - Shall be computed in accordance with the following charges.

	<u>11/1/14</u>
Basic Service Charge	\$5.22
Commodity Charge	\$0.0961 per kWh for the first 300 kWh \$0.1383 per kWh for the next 200 kWh \$0.1734 per kWh for all over 500 kWh

Minimum Bill - The minimum bill is the basic service charge included in the monthly rate.

Energy Cost Adjustment - This rate is subject to an Energy Cost Adjustment factor added to the above energy charges and calculated as defined on a separate rate schedule incorporated herein by this reference.

Environmental Charge – This rate is subject to an Environmental Charge as defined on a separate rate schedule incorporated herein by this reference. The current Environmental Charge is \$0.0025/kWh.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Energy Optimization Surcharge – This rate is subject to the Energy Optimization Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the BWL property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Application Charge - A \$10.00 charge shall be added to the first regular bill for all customers turning on service at a service location irrespective of prior service with the BWL.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Effective: November 1, 2014

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



**STREET LIGHTING SERVICE
BOARD OWNED SYSTEMS
RATE NO. 31**

Availability - Available to any political subdivision or agency of the State of Michigan for street lighting service for any system consisting of one or more luminaires where the BWL has an existing distribution system with secondary voltage available. Luminaires may be installed with no limitations as to spacing between luminaires. Where an overhead line extension is required to serve one or more luminaires, the BWL will furnish 350 linear feet of line extension per luminaire served from such extension.

Nature of Service - The BWL will furnish, install, own, operate, and maintain all equipment comprising the street lighting system, and supply the unmetered energy. The BWL reserves the right to furnish service from either a series or multiple system or both.

Annual Rate- The annual rate per luminaire with fixture and setting, payable in twelve (12) monthly installments, shall be as follows;

High Pressure Sodium Luminaire	<u>11/1/14</u>
70 W	\$ 94
100 W	\$107
150 W	\$125
250 W	\$152
400 W	\$193
1000 W	\$396
Mercury Vapor Luminaire ¹	
100 W	\$100
175 W	\$121
250 W	\$143
400 W	\$183
1000 W	\$347
Metal Halide Luminaire	
175 W ¹	\$212
250 W ¹	\$242
400 W	\$244
1000 W	\$474
1500 W	\$727
Induction Luminaire	
85 W	\$100
165 W	\$122
LED Luminaire	
Decorative	\$143
End Mount	\$94
Rectilinear	\$124
Flood	\$202

Effective: November 1, 2014

¹ Rates apply to existing luminaires only and are not open to new business.



Annual Rate (continued)

plus an additional annual charge, depending on type of installation, of:

	<u>11/1/14</u>
Wood Pole – Overhead Service	\$70
Wood Pole – Underground Service	\$109
Concrete Pole – Overhead Service	\$172
Concrete Pole – Underground Service	\$172
Post Top - Concrete	\$109
Historic – Single Top	\$359
Large Historic – Dual Top	\$720
Small Historic – Dual Top	\$605
Wall/Tunnel – 8760 hours	\$152
Wall/Tunnel – 4200 hours	\$92
Bollard	\$305

Note: Luminaires installed on existing poles will be charged only the applicable rate for the luminaire. None of the additional charges above will be applied.

Customer Contribution - The annual rates are based on fixtures normally stocked by the BWL, and installed utilizing normal construction techniques. The BWL may, at its option, upon customer request install a street lighting system not covered by the rates above. Such requests shall be subject to the terms and conditions of Rate 31a.

Unit Replacement - The BWL may, at its option, upon customer request replace existing street light units. After installation, the customer shall make a one time contribution equal to the undepreciated value of the unit plus the cost of removal.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the BWL property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Board of Water and Light, Lansing, Michigan – Electric Utility Rates



Availability - Available to any political subdivision or agency of the State of Michigan for street lighting service for any system consisting of one or more luminaires where the BWL has an existing distribution system available.

Nature of Service - The BWL will connect the customer's equipment to BWL lines, furnish the control equipment, supply the unmetered energy, control the burning hours of the lamps, provide normal replacement of luminaire refractors, control devices and lamps. The customer will furnish, install and own all equipment comprising the street lighting system, including, but not limited to the overhead wires or underground cables between luminaires and the supply circuits extending to the point of attachment with the BWL. All maintenance and replacement of the customer's equipment except normal lamp and glass replacement shall be paid by the customer. The BWL reserves the right to furnish service from either a series or multiple system or both.

Annual Rate- The annual rate per luminaire, payable in twelve (12) monthly installments, shall be as follows:

High Pressure Sodium Luminaire	<u>11/1/14</u>
70 W	\$51
100 W	\$62
150 W	\$79
250 W	\$105
400 W	\$150
1000 W	\$354
Mercury Vapor Luminaire ¹	
175 W	\$72
250 W	\$95
400 W	\$137
1000 W	\$301
Incandescent Luminaire	
2500 L	\$99
4000 L	\$158
6000 L	\$192

Maintenance Charge - The actual labor, material, miscellaneous and indirect charges experienced maintaining street light units during the preceding month.

Combined Rates - The annual rate for units consisting of more than one luminaire shall be the appropriate combination of individual unit charges above.

Effective: November 1, 2014

¹ Rates apply to existing luminaires only and are not open to new business.



**STREET LIGHTING SERVICE
CUSTOMER OWNED SYSTEMS
RATE NO. 32**

Special Terms and Conditions - The BWL reserves the right to make special contractual arrangements as to termination charges, contributions in aid of construction, term or other special considerations when the customer requests service, equipment or facilities not normally provided under this rate.

Renewable Energy Plan Surcharge – This rate is subject to the Renewable Energy Plan Surcharge as defined on a separate rate schedule incorporated herein by this reference.

Tax Adjustment - Bills shall be increased within the limits of any governmental authority or political subdivision which levies taxes, license fees, franchise fees, or any other charges against the BWL property, or its operation, or the production and/or sale of electrical energy, to offset any such cost and thereby prevent other customers from being compelled to share such local increases.

Delayed Payment Charge - A delayed payment charge of 5% of the unpaid balance, excluding delayed payment charges, shall be added to any bill that is not paid on or before the due date.

Rules and Regulations - Service under this rate is subject to the BWL Rules and Regulations for Electric Service incorporated herein by this reference.

Effective March 1, 2011, this rate is not open to new business.

Effective: November 1, 2014