

BOARD OF WATER AND LIGHT
Board of Water & Light Headquarters-Depot
1201 S. Washington Ave.
December 5, 2017 - 5:00 p.m.

SPECIAL BOARD MEETING AGENDA

Pursuant to Section Chapter 1, 1.2 of the Board of Water & Light's Rules of Procedures, Board of Water & Light's Chairperson David Price has called a special meeting of Board of Commissioners on Tuesday, December 5, 2017 at 5:00 p.m. at the Board of Water & Light Headquarters Depot.

1. Roll Call
2. Pledge of Allegiance
3. Public Comments
Members of the public are welcome to speak to the Board on the agenda subjects. Anyone wishing to comment on any matter not on the agenda may do so immediately prior to adjournment.
4. Purpose:
Consider a Resolution for a Rate Structure Change for Electric, Water, Steam and Chilled Water Rate Schedules to be effective February 1, 2018, 2019 and 2020.
5. Resolutions
Rate Schedule Resolution
6. Manager's Remarks
7. Commissioners' Remarks
8. Public Comment
9. Motion of Excused Absence
10. Adjournment

Proposed Resolution
2018 – 2020 Rate Adjustments

WHEREAS, rates shall be established at a level that will enable the Board of Water and Light (BWL) to meet its mission of serving the Greater Lansing area by providing high quality utility services, reliably, at the lowest reasonable cost; and

WHEREAS, in accordance with the BWL's Rate Making Principles, BWL management has reviewed the electric rates relative to its financial plan and recommends an overall increase of 3%, comprised of varying individual rate class increases, to electric billings on February 1, 2018, February 1, 2019, and February 1, 2020; and

WHEREAS, in accordance with the BWL's Rate Making Principles, BWL management has reviewed the water rates relative to its financial plan and recommends a 5.5% increase to water billings on February 1, 2018 and a 7.5% increase to water billings on February 1, 2019 and February 1, 2020; and

WHEREAS, in accordance with the BWL's Rate Making Principles, BWL management has reviewed the steam rates relative to its financial plan and recommends a 5.5% increase to steam billings on February 1, 2018 and a 7.5% increase to steam billings on February 1, 2019 and February 1, 2020; and

WHEREAS, the notice of the proposed increases was communicated to all customers by public notice on November 14, 2017, and a public hearing was held on November 30, 2017 to receive comments on the proposed increases; and

WHEREAS, the Board of Commissioners has considered the comments of the public as well as recommendations made by the BWL.

THEREFORE, it is:

RESOLVED, that the electric, water, steam, and chilled water rate schedules, detailed in attachments A – D, be adopted and made effective for electric, water, steam, and chilled water consumption on February 1, 2018, February 1, 2019, and February 1, 2020.

Attachment A
Electric Rate Schedules



RESIDENTIAL ELECTRIC SERVICE RATE NO. 1

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

Service under this rate is not available when a portion of the dwelling or an appurtenant building 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 at separate Service Locations.

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>2/1/2018</u>	
Basic Service Charge	\$13.00	Per Service Location per month
Commodity Charge		
Summer Months of June through October	\$0.1230	Per kWh for the first 500 kWh
	\$0.1285	Per kWh for all kWh over 500 kWh
Winter Months of November through May	\$0.1230	Per kWh for the first 500 kWh
	\$0.1265	Per kWh for all kWh over 500 kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**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 Service Location through one meter. The limitation to secondary-voltage service may be waived at the sole discretion of the BWL. This rate is not available for emergency service 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:

	<u>2/1/2018</u>
Basic Service Charge	\$28.00 Per Service Location per month
Commodity Charge	
Summer Months of June through October	\$0.1410 Per kWh for all kWh
Winter Months of November through May	\$0.1371 Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**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 Service Location through one metering installation and the Maximum Demand is 15 kW or more. The limitation to secondary-voltage service may be waived at the sole discretion of the BWL. This rate is not available for emergency service 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:

	<u>2/1/2018</u>	
Basic Service Charge	\$100.00	Per Service Location per month
Capacity Charge	\$14.00	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0861	Per kWh for all kWh
Winter Months of November through May	\$0.0816	Per kWh for all 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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

Metering - Where the BWL elects to measure the service on the primary side of the transformer, the metered kW and 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 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.



**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 Service Location through one metering installation (except as provided below for Multiple Service Location Aggregation) and the On-Peak Billing Demand is 100 kW or more. This rate is not available for emergency service or standby 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>2/1/2018</u>	
Basic Service Charge	\$190.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$11.50	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$4.50	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0782	Per kWh for all kWh during the On-Peak Period
	\$0.0738	Per kWh for all kWh during the Off-Peak Period
Winter Months of November through May	\$0.0758	Per kWh for all kWh during the On-Peak Period
	\$0.0738	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 billing month.

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations 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 Service Location 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 Service Locations 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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.



**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 Service Location through one meter. This rate is not available for emergency service, standby service, 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>2/1/2018</u>
Basic Service Charge	\$20.00 Per Service Location per month
Commodity Charge	\$0.1182 Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

Metering - For customers taking secondary voltage from the BWL and 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. For customers taking primary voltage from the BWL and where the BWL elects to measure the service on the secondary side of the transformers, the metered kWh 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, 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 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.



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 Service Locations as provided below for Multiple Service Location 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 Service Locations for a period of not less than ten (10) years. This rate is not available for emergency service or standby 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>2/1/2018</u>	
Basic Service Charge	\$430.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$13.00	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$2.25	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0763	Per kWh for all kWh during the On-Peak Period
	\$0.0707	Per kWh for all kWh during the Off-Peak Period
Winter Months of November through May	\$0.0747	Per kWh for all kWh during the On-Peak Period
	\$0.0707	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

Maximum Demand: The Maximum Demand for each Service Location shall be the kW supplied during the 15-minute period of maximum use during the month whether on-peak or off-peak, but the Maximum Demand charge shall never be less than 1,000 kW.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations of a customer shall be summed for determination of the total On-Peak Billing Demand if the Maximum Demand determined at each Service Location equals or exceeds 1,000 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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 a Service Location'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:

<i>Luminaires on Overhead Mast Arm on existing BWL poles</i>	<i>2/1/2018</i>
High Pressure Sodium¹	
100 W	\$12.96
250 W	\$20.57
400 W	\$23.38
Mercury Vapor²	
175 W	\$13.60
400 W	\$23.38
LED End Mount	
1-19 W	\$9.52
20-39 W	\$10.05
40-59 W	\$10.59
60-79 W	\$11.13
80-99 W	\$11.67
100-119 W	\$12.20
120-139 W	\$12.74
140-159 W	\$13.28
160-179 W	\$13.81
180-199 W	\$14.35
200-219 W	\$14.89
220-239 W	\$15.43
240-259 W	\$15.96
260-279 W	\$16.50
280-299 W	\$17.04
300-319 W	\$17.58
320-339 W	\$18.11
340-359 W	\$18.65
360-379 W	\$19.19
380-399 W	\$19.72

¹ Rates apply to existing luminaires and are subject to cost and availability for new business.

² Rates apply to existing luminaires only and are not open to new business.

Floodlighting Luminaires on Bracket Arm on existing BWL poles	2/1/2018
High Pressure Sodium³	
100 W	\$17.23
250 W	\$23.18
400 W	\$27.19
Metal Halide³	
400 W	\$33.78
1000 W	\$58.44
1500 W	\$81.09
LED Flood	
1-19 W	\$11.12
20-39 W	\$11.65
40-59 W	\$12.19
60-79 W	\$12.73
80-99 W	\$13.26
100-119 W	\$13.80
120-139 W	\$14.34
140-159 W	\$14.88
160-179 W	\$15.41
180-199 W	\$15.95
200-219 W	\$16.49
220-239 W	\$17.03
240-259 W	\$17.56
260-279 W	\$18.10
280-299 W	\$18.64
300-319 W	\$19.17
320-339 W	\$19.71
340-359 W	\$20.25
360-379 W	\$20.79
380-399 W	\$21.32

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	2/1/2018
35-foot wood poles including span of overhead secondary extension	\$14.71 Per pole
37-foot concrete pole including span of overhead secondary extension	\$24.40 Per pole
Other facilities, hand set poles, or rearrangement of existing facilities	1.67% Of estimated cost

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.

³ Rates apply to existing luminaires and are subject to cost and availability for new business.

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 facilities charges are 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.



**UNMETERED DEVICE SERVICE
RATE NO. 11**

Availability - This rate is available to the US Government, any political subdivision or agency of the State of Michigan, and any public or private school district for lamp installations maintained for traffic regulation or guidance, as distinguished from street illumination and police signal systems. This rate is also available to other Unmetered Devices, such as Community Antenna Television Service Companies (CATV), wireless access companies, or security camera companies for unmetered Power Supply Units. Where the BWL's total investment to serve an individual Service Location exceeds three times the annual revenue to be derived from such Service Location, a contribution to BWL shall be required for the excess.

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>2/1/2018</u>
Basic Service Charge	\$3.50 Per Service Location per month
Commodity Charge	\$0.0740 Per kWh for all kWh

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

Determination of kWh - Monthly kWh shall be determined by multiplying the total connected load in kW (including the lamps, ballasts, transformers, amplifiers, and control devices) times 730 hours.

The kWh for cyclical devices shall be 50% of the total kWh so calculated.

The kWh of continuous, non-intermittent devices shall be 100% of the total kWh so calculated.

The kWh of devices used for the control of school traffic, and operated not more than six hours per day during the school year only, shall be 10% of the continuous or cyclical kWh so calculated.

The kWh for CATV Power Supply Units shall be 50% of the total kWh as determined from the manufacturer's rated input capacity of the Power Supply Units or the actual test load, whichever is greater.

The kWh for Wireless Access and Security Camera Power Supply Units shall be 100% of the total kWh as determined from the manufacturer's rated input capacity of the Power Supply Units or the actual test load, whichever is greater.

The BWL may, at its option, install test meters for the purpose of determining the monthly kWh usage to be used for billing purposes.

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**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. This rate is not available for emergency service or standby service.

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. The secondary voltage is determined by the BWL.

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

	<u>2/1/2018</u>	
Basic Service Charge	\$35.00	Per Service Location per month
Commodity Charge		
Summer Months of June through October	\$0.1545	Per kWh for all kWh
Winter Months of November through May	\$0.1114	Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 turning on service at a Service Location irrespective of prior service with the BWL.

Effective: February 1, 2018

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



**RESIDENTIAL ELECTRIC SERVICE, SENIOR CITIZEN
RATE NO. 21**

Availability - This rate is available to any Service Location that qualifies for Electric Rate No. 1 where the customer is 65 years of age or older and head of the household being served.

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>2/1/2018</u>	
Basic Service Charge	\$8.25	Per Service Location per month
Commodity Charge		
Block 1	\$0.0909	Per kWh for the first 300 kWh
Block 2	\$0.1504	Per kWh for the next 200 kWh
Block 3	\$0.1855	Per kWh for all kWh over 500 kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**RESIDENTIAL PLUG-IN ELECTRIC VEHICLE CHARGING SERVICE
RATE NO. 22**

Availability - The Residential Plug-in Electric Vehicle Charging Rate is a voluntary rate available to any Service Location that qualifies for Electric Rate No. 1 where separately metered Electric Vehicle Supply Equipment (EVSE) capable of providing Level 2 charging for plug-in electric motor vehicles is installed.

“EVSE” means a device or apparatus, including vehicle supply cable, connector, internal relays and controls designed specifically for the purpose of delivering energy from the premises wiring to a plug-in-electric motor vehicle. This equipment must meet or exceed all applicable codes, standards, and required practices.

“Level 2 Charging” means providing 208 – 240 volt single phase alternating current energy to an onboard charger of an electric motor vehicle with a maximum current specified by the vehicle manufacturer.

Nature of Service - The service is alternating current, 60 hertz, single phase, 208 to 240 nominal volts, Level 2 Charging as defined. However, the new circuit protective device rating shall not to exceed 100 amperes.

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

	<u>2/1/2018</u>
Basic Service Charge	\$1.95 Per Service Location per month
Commodity Charge	
Off-Peak Energy	\$0.0821 Per kWh for all Off-Peak kWh
On-Peak Energy	\$0.1715 Per kWh for all On-Peak kWh

Schedule of On-Peak and Off-Peak Periods - The On-Peak Period shall be from 7:00 a.m. until 11:00 p.m., Monday through Friday. All other hours shall comprise the Off-Peak Period.

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**STREET LIGHTING SERVICE
BWL 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 - Shall be computed in accordance with the following charges, payable in twelve (12) monthly installments:

	2/1/2018
High Pressure Sodium Luminaire¹	
70 W	\$101
100 W	\$115
150 W	\$134
250 W	\$163
400 W	\$207
1000 W	\$425
Mercury Vapor Luminaire²	
100 W	\$107
175 W	\$130
250 W	\$154
400 W	\$197
1000 W	\$373
Metal Halide Luminaire¹	
175 W ²	\$228
250 W ²	\$260
400 W	\$262
1000 W	\$509
1500 W	\$781
Induction Luminaire¹	
85 W	\$107
165 W	\$131
LED Decorative Luminaire	
1-19 W	\$135
20-39 W	\$141
40-59 W	\$147
60-79 W	\$154

¹ Rates apply to existing luminaires and are subject to cost and availability for new business.

² Rates apply to existing luminaires only and are not open to new business.

80-99 W	\$160
100-119 W	\$167
120-139 W	\$173
140-159 W	\$180
160-179 W	\$186
180-199 W	\$193
200-219 W	\$199
220-239 W	\$205
240-259 W	\$212
260-279 W	\$218
280-299 W	\$225
300-319 W	\$231
320-339 W	\$238
340-359 W	\$244
360-379 W	\$251
380-399 W	\$257
LED End Mount Luminaire	
1-19 W	\$114
20-39 W	\$121
40-59 W	\$127
60-79 W	\$134
80-99 W	\$140
100-119 W	\$146
120-139 W	\$153
140-159 W	\$159
160-179 W	\$166
180-199 W	\$172
200-219 W	\$179
220-239 W	\$185
240-259 W	\$192
260-279 W	\$198
280-299 W	\$204
300-319 W	\$211
320-339 W	\$217
340-359 W	\$224
360-379 W	\$230
380-399 W	\$237
LED Flood Luminaire	
1-19 W	\$133
20-39 W	\$140
40-59 W	\$146
60-79 W	\$153
80-99 W	\$159
100-119 W	\$166
120-139 W	\$172
140-159 W	\$179
160-179 W	\$185
180-199 W	\$191
200-219 W	\$198
220-239 W	\$204
240-259 W	\$211
260-279 W	\$217
280-299 W	\$224
300-319 W	\$230

320-339 W	\$237
340-359 W	\$243
360-379 W	\$249
380-399 W	\$256

Annual Rate (continued)

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

	2/1/2018
Wood Pole – Overhead Service	\$75
Wood Pole – Underground Service	\$117
Concrete Pole – Overhead Service	\$185
Concrete Pole – Underground Service	\$185
Post Top – Concrete	\$117
Historic – Single Top	\$386
Large Historic – Dual Top	\$773
Small Historic – Dual Top	\$650
Wall/Tunnel – 8760 Hours	\$163
Wall/Tunnel – 4200 Hours	\$99
Bollard	\$328

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 Electric 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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



**STREET LIGHTING SERVICE
BWL OWNED SYSTEMS
RATE NO. 31a**

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

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 monthly installments, shall consist of an annual energy charge and an annual facilities charge, as set forth below:

	<u>2/1/2018</u>
High Pressure Sodium Luminaire	\$0.64 per watt of rated energy usage
Metal Halide Luminaire	\$0.87 per watt of rated energy usage
LED Luminaire	\$0.45 per watt of rated energy usage

Annual Facilities Charge - The Annual Rate to recover the cost of luminaires, poles, attachments, and other equipment installed to provide service under this rate schedule, including the total facilities cost less any customer contributions, projected annual maintenance cost, and return on investment. The annual facilities charge for each luminaire and setting will be specified in the service contracts with each customer.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



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

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

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 - Shall be computed in accordance with the following charges, payable in twelve (12) monthly installments:

	2/1/2018
High Pressure Sodium Luminaire¹	
70 W	\$53
100 W	\$64
150 W	\$82
250 W	\$108
400 W	\$155
1000 W	\$366
Mercury Vapor Luminaire¹	
175 W	\$74
250 W	\$98
400 W	\$142
1000 W	\$311
Incandescent Luminaire¹	
2500 L	\$102
4000 L	\$163
6000 L	\$198
LED Luminaire	
1-19 W	\$48
20-39 W	\$54
40-59 W	\$60
60-79 W	\$67
80-99 W	\$73
100-119 W	\$80
120-139 W	\$86
140-159 W	\$93
160-179 W	\$99

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

180-199 W	\$106
200-219 W	\$112
220-239 W	\$119
240-259 W	\$125
260-279 W	\$131
280-299 W	\$138
300-319 W	\$144
320-339 W	\$151
340-359 W	\$157
360-379 W	\$164
380-399 W	\$170

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.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



**POLE ATTACHMENT
RATE NO. 41**

Availability - This rate is available to any customer desiring to attach cable, wire, or equipment to BWL-owned distribution or transmission poles and for which the BWL does not attach distribution cables and wires to poles owned by the attaching customer.

Nature of Service - This rate is only available for installations of one year or more and requires the customer to enter into an attachment agreement with the BWL before any attachment is made. All attachments to BWL poles are subject to approval by BWL. Energy used by any attached equipment shall be billed under a separate rate.

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

2/1/2018

Basic Service Charge

Cable or Wire Attachments	\$7.30	Per attachment per year or part thereof, \$300.00 minimum
Equipment Attachments	\$17.93	Per attachment per year or part thereof, \$300.00 minimum

Unauthorized Attachment Charge	In addition to the Basic Service Charge, a penalty of five times the Annual Rate shall be charged for each unauthorized attachment each year or part thereof, with charges beginning on the date of attachment.
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Application Charge - A non-refundable application charge will apply in accordance with the BWL Rules and Regulations.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.

For existing pole attachment customers, this rate will become effective the later of July 1, 2018 or at the termination of their existing agreements with the BWL.



**PRIMARY HIGH LOAD FACTOR SERVICE
RATE NO. 85**

Availability - This rate is available to any customer desiring primary voltage service when the electrical requirements are supplied at one Service Location through one metering installation (except as provided below for Multiple Service Location Aggregation) and the On-Peak Billing Demand is 1,000 kW or more. To be eligible for this rate, each Service Location must sustain an annual load factor of 85% or greater. Service Locations that fall below an annual load factor of 85% are subject to removal from this rate class and will be placed in Rate 5, Primary Service. This rate is not available for emergency service or standby 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>2/1/2018</u>	
Basic Service Charge	\$310.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$17.65	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$6.15	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0521	Per kWh for all kWh during the On-Peak period
	\$0.0477	Per kWh for all kWh during the Off-Peak period
Winter Months of November through May	\$0.0497	Per kWh for all kWh during the On-Peak period
	\$0.0477	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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, but the On-Peak Billing Demand charge shall never be less than 1,000 kW.

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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, but the Maximum Demand charge shall never be less than 1,000 kW.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations 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 Service Location must equal or exceed 1,000 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 Service Locations 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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.



ELECTRIC ENVIRONMENTAL CHARGE

Purpose - The Electric Environmental Charge permits the recovery of costs and expenses incurred from environmental remediation and mitigation activities that are required as matter of agreement, order, decree, or law. All metered Service Locations on all rates are subject to the Electric Environmental Charge, with the Charge added to the kWh cost of each kWh billed. All revenues collected from the Electric Environmental Charge will be directly applied to offset these environmental expenses and associated Return on Equity expenses. The Electric Environmental Charge shall be reviewed and revised periodically until the balance is zero. Should the Electric Environmental Charge collect revenues in excess of environmental expenses, the difference shall be refunded to the applicable rates.

The Electric Environmental Charge shall be reviewed and revised periodically in accordance with the provisions of this schedule.

Electric Environmental Charge - The current Electric Environmental Charge is **\$0.0000/kWh**



POWER SUPPLY COST RECOVERY ADJUSTMENT

The Power Supply Cost Recovery (PSCR) Adjustment permits the monthly adjustment of rates for the costs incurred in supplying electricity. All electric rates with a kWh billing determinant are subject to the PSCR Adjustment. In applying the PSCR Adjustment, the applicable rate per kWh shall be increased or decreased by the amount of the current PSCR Adjustment.

The PSCR Adjustment shall be reviewed and, as necessary, revised periodically in accordance with the provisions of this schedule, but not less frequently than every twelve months.

Power Supply Cost Recovery (PSCR) Adjustment - the amount per kWh by which the applicable rates shall be adjusted for billing in each month.

Power Supply Cost - those costs incurred in supplying electricity. Costs include, but are not limited to, fuel burned and fuel related cost, fuel transportation, pre and post combustion fuel additives, fuel procurement, environmental allowances, costs of power purchase agreements, Midwest market energy, capacity, and ancillary services costs, and transmission costs.

Over/Under Recovery - the difference between actual Power Supply Cost for prior months and the amount of Power Supply Cost recovered by means of the Base Cost of Power Supply and the Power Supply Cost Recovery Adjustment. The Over/Under Recovery shall be added to the Power Supply Cost for purposes of computing the PSCR Adjustment for each month. Power Supply Cost will be offset with net wholesale energy, capacity, ancillary services, and transmission revenues.

Base Cost of Power Supply - the average Power Supply Cost included in the energy rates of the various rate schedules. Such amount shall not be recovered by means of the PSCR Adjustment. The current Base Cost of Power Supply is \$0.0361 per kWh sold.



ENERGY WASTE REDUCTION SURCHARGE

Purpose - The Energy Waste Reduction Surcharge (EWR Surcharge) is designed to recover Energy Waste Reduction Plan program costs, as required by 2016 PA 342.

The EWR Surcharge shall be reviewed and revised periodically in accordance with the provisions of this schedule, not to exceed the maximum surcharge allowed under the provisions of 2016 PA 342.

The EWR Surcharge will appear as a line item on the customer's bill.

Monthly Surcharge - Current Monthly EWR Surcharges are as follows:

Rate Schedule	EWR Surcharge	EWR Surcharge Self-Directed
<u>Residential</u>		
Rate 1 Residential	\$0.002678	NA /kWh
Rate 21 Senior Citizen Residential	\$0.002678	NA /kWh
<u>Small Secondary Commercial and Industrial</u>		
Rates 3 and 12	\$9.51	\$0.66 /Service Location
<u>Large Secondary Commercial and Industrial</u>		
Rate 4	\$95.05	\$6.66 /Service Location
<u>Primary Commercial and Industrial</u>		
Rates 5, 85, and 8	\$666.43	\$46.64 /Service Location



RENEWABLE ENERGY PLAN SURCHARGE

Purpose - The Renewable Energy Plan Surcharge (REP Surcharge) is designed to recover Renewable Energy Plan program costs, as required by 2016 PA 342.

The REP Surcharge will appear as a line item on the customer's bill.

The REP Surcharge shall be reviewed and revised periodically in accordance with the provisions of this schedule, not to exceed the maximum surcharge allowed under the provisions of 2016 PA 342.

Monthly Surcharge - Current Monthly REP Surcharges are as follows:

Rate Schedule	REP Surcharge
<u>Residential</u>	
Rate 1 Residential	\$0.00 /Service Location
Rate 21 Senior Citizen Residential	\$0.00 /Service Location
<u>Secondary Commercial and Industrial</u>	
Rates 3, 4, and 12	\$0.00 /kWh
Minimum Monthly Charge	\$0.00 /Service Location
Maximum Monthly Charge	\$0.00 /Service Location
<u>Primary Commercial and Industrial</u>	
Rates 5, 85, and 8	\$0.00 /Service Location
<u>Unmetered Service</u>	
Rate 11	\$0.00 /kWh
Minimum Monthly Charge	\$0.00 /Service Location
Maximum Monthly Charge	\$0.00 /Service Location
<u>Street Lighting Service</u>	
Rates 31, 31a, and 32	
Less than 100W Luminaire	\$0.00 /Luminaire
100W or greater Luminaire	\$0.00 /Luminaire



RENEWABLE ENERGY NET METERING RIDER

Purpose - This rider provides any customers with on-site generated renewable energy to send renewable energy back to the electric grid when their generation exceeds their own consumption at the participating Service Location.

Availability - Net Metering applicants must be an electric customer making use of any metered BWL Electric Rate Schedule. The Net Metering Program will be voluntary and selection of Service Locations for participation in the net metering program shall be based on the order in which the applications for the net metering program are received by the BWL. The Net Metering Program will be in effect until the total nameplate capacity of all participating generators is equal to the maximum program limit of 1% of the BWL peak load for the preceding calendar year. The renewable energy generating system will not exceed 50 kW per Service Location and may be limited, at BWL's sole discretion, to geographical regions within the BWL's service territory.

Eligible Renewable Energy Resources - Service Locations must generate a portion or all of their own retail electricity requirements using a renewable energy resource including but not limited to the following: Biomass, Solar Photovoltaic or Wind. Other renewable energy resources not included in the list above must be approved in advance by the BWL.

Generation and Interconnection Requirements - The generation equipment must be located on the Service Location's premise and serve only the premises at the associated Service Location. The Net Metering applicant shall be limited to generation capacity designed to meet the Service Location's electric demand and energy needs. The BWL, at its discretion, will make the final determination of the acceptable size of the renewable energy generating system eligible for participation. Before participating in the Net Metering Program, the generator's Service Location must be approved for parallel operation with BWL's electric distribution system by meeting all interconnection requirements.

Monthly Rate - All Net Metering Service Locations will be billed \$5.00 per month to recover costs associated with operating the Net Metering Program.

Net Metering - Net metering Service Locations with a system capable of generating 20 kW or less shall qualify for true net metering. For Service Locations who qualify for true net metering, the net of the bidirectional flow of kWh across the Service Location interconnection with the BWL distribution system during the billing period, including excess generation credits, shall be credited at the full retail energy (kWh) rate.

- a) The credit for Net Excess Generation (NEG), if any, shall appear on the next bill and any excess credit not used to offset current charges shall be carried forward for use in subsequent billing periods.
- b) Reconciliation of any NEG credits will occur at the end of each calendar year. At that time the customer's NEG credit balance will be reset to zero and any NEG credits will be refunded at the average locational marginal price at the CONS.LANS node for the preceding year.
- c) If a customer leaves the provider's system or service is terminated for any reason, the BWL shall refund to the Service Location the remaining NEG credit amount. Remaining NEG credits will be refunded at the average locational marginal price at the CONS.LANS node for the preceding year.

Modified Net Metering - Net metering Service Locations with a system capable of generating more than 20 kW but less than 50 kW will qualify for modified net metering. The requirements for modified net metering are the same as true net metering, with exception of the credit for excess generation at the end of the billing period. The BWL will monetize and credit the Service Location for excess generation monthly;

- At the real-time locational marginal price at the CONS.LANS node, less \$5 per MWh for administration of the modified net metering program, for excess generation in each hourly interval if interval metering equipment is installed; or
- If photovoltaic solar, at the average on-peak locational marginal price at the CONS.LANS node for the billing month, less \$5 per MWh for administration of the modified net metering program, for excess generation received by the BWL during the month if non-interval, bi-directional metering equipment is installed; or

- If not photovoltaic solar, the average locational marginal price at the CONS.LANS node for the billing month, less \$5 per MWh for administration of the modified net metering program, for excess generation received by the BWL during the month if non-interval, bi-directional metering equipment is installed.

Rules and Regulations - Service under this rider is subject to the BWL Rules and Regulations for Electric Service and the Renewable Energy Net Metering Program Standards. The BWL reserves the right to revise the terms and conditions including any electric energy buy-back pricing rates of future Net Metering programs.



RENEWABLE ELECTRIC ENERGY RIDER

Availability - This rider is available to customers making use of any kWh metered BWL Electric Rate Schedule. The program will be capped based on availability of renewable energy. This rider will expire effective December 31, 2018. Customers participating in this rider will have priority enrollment in the new Voluntary Renewable Energy Rider.

Nature of Service - The BWL will provide green power to the system per the participant enrollment; however, the BWL cannot guarantee that the actual electricity delivered to each participant's Service Location at any specific time will be produced from a green supply resource.

Monthly Rate - Service Locations participating in this Rider will receive an additional charge for monthly energy of \$7.50 per month for each 250 kWh block of electricity they choose to purchase under this rider.

Minimum Bill - If the participant's actual monthly consumption at the enrolled Service Location is less than the kWh block(s) in the contract, the participant will be charged for the full month's premium.

Term and Form of Contract - All participants for this service under this rider will require a written contract stating the number of blocks, block size and the specified period of time in which they will be enrolled. No contract shall extend past December 31, 2018, the expiration date of this rider.



VOLUNTARY RENEWABLE ENERGY RIDER

Availability - This rider is available to customers making use of any kWh metered BWL Electric Rate Schedule. The program will be capped based on availability of renewable energy. The BWL anticipates that renewable energy under this rider will be available in 2019.

Nature of Service - The BWL will provide renewable energy to enrolled participants; however, the BWL cannot guarantee that the actual electricity delivered to each participant's Service Location at any specific time will be produced from a renewable energy resource. The renewable energy will be provided in blocks of 250 kWh, with each participant determining the number of blocks they wish to purchase for a Service Location. The participant will be billed for the number of renewable energy blocks purchased, regardless of actual kWh usage at the enrolled Service Location. If more blocks are purchased than actual kWh usage at the enrolled Service Location, the participant is eligible to claim their enrolled Service Location is served with 100% renewable energy, as renewable energy credits associated with the renewable energy purchased through this rider will be retired and will not be used to fulfill BWL's renewable energy compliance requirements or otherwise disposed of.

Enrollment for this rider will begin February 1, 2018. Customers with Service Locations participating in the current Renewable Electric Energy Rider, also known as "Green Wise", will have priority in the allocation of available renewable energy. All other participants will receive allocations in the date order of their enrollment in the program, subject to a cap by customer class (Residential, Commercial, Industrial, and Other) based on the historical distribution of BWL retail electric sales.

Monthly Rate - BWL will publish the rider block price in September 2018. This price will increase or decrease from time to time based on cost and availability of renewable energy resources.

Term and Form of Contract - If enrollment exceeds the initially available renewable energy resources, all new non-residential participants will be subject to a contract stating the number of blocks they will be purchasing and the period of time they will be enrolled in the rider.



SCHEDULED CURTAILMENT/INTERRUPTIBLE ELECTRIC SERVICE RIDER

Availability - This rider is available to customers on Primary Electric Service Rate No. 5, Primary High Load Factor Electric Service Rate No. 85, or Large Capacity Electric Service Rate No. 8 and any applicable future primary or transmission service rate approved by the Commissioners. A customer desiring service under this rider must contract to curtail or interrupt its demand by 1,000 kW or more, upon notice by the Board of Water and Light (BWL). The amount of curtable or interruptible demand subject to this rider may be limited by the Commissioners in total and by customer.

Conditions of Curtailment/Interruption - The Commissioners may determine the total kW demand subject to this rider. The General Manager has authorization to negotiate with qualifying customers as to the following terms and conditions of this rider; [1] the customer kW demand subject to interruption or curtailment, [2] metering requirements, [3] the duration of any interruption or curtailment, [4] the notice period, and, [5] buy through provisions (if any).

The contract with the customer will contain the conditions under which the BWL will require curtailment or interruption. Any reduced rate available will include some contribution to fixed costs and depend upon the customer's individual circumstances.

The customer agrees to pay \$50 per kW for the highest 15-minute kW demand created during the curtailed or interrupted period plus replacement energy out of pocket cost plus 10% should the customer choose not to curtail or interrupt electric load.

In the event of an interruption or curtailment to customers on Primary High Load Factor Electric Service Rate No. 85, BWL will take the interruption or curtailment into account when calculating the annual load factor for the determination of rate eligibility as required for service under Rate 85.

Definitions

Curtailed load - The customer agrees to reduce electric load upon notice from the BWL

Interrupted load - The customer agrees to receive no electricity upon notice from the BWL



ELECTRIC ECONOMIC DEVELOPMENT RIDER

Purpose - The Board of Water & Light (BWL) provides economic incentives to its utility service customers with a goal of attracting new customers or growing the business of existing customers. The incentives are employed where, in the BWL's judgment: a) the incentive is a major determining factor for the customer to take or add BWL service(s), and b) use of the incentive will result in economic and other benefits to the BWL and its customers.

Availability - This rider is available to new or existing customers through Large General Service Rate 4, Primary Electric Service Rate 5, Primary High Load Factor Service Rate 85, or Large Capacity Electric Service Rate 8. The customer must commit to creating new load or significantly increasing existing load (e.g. 150 kW or greater) in On-Peak Billing Demand for Rates 5, 85, and 8, or Maximum Demand for Rate 4. The BWL will, in its sole discretion, determine the percentage and duration of the incentive offered to the customer. The customer may be required to enter into a written agreement that specifies its commitment to economic development and the BWL's incentives.

Monthly Discount

This rider provides for a discount on the Capacity Charge portion of the customer's monthly billing for the applicable Service Location. For Rates 5, 85 and 8, the discounted Capacity Charge is for the On-Peak Billing Demand only. For Rate 4, the discounted Capacity Charge is for the Maximum Demand only. The BWL will determine the appropriate discount on the new or increased load, which will not exceed the following schedule:

Capacity Charge Discount (kW)	
Years 1-2	Up to 50%
Years 3-4	Up to 30%
Years 5-6	Up to 10%

At the end of the incentive period and all years thereafter, the customer will be billed according to the appropriate rate.

Demand Eligible for Discount

For a new Service Location, the total On-Peak Billing Demand and/or Maximum Demand shall be eligible for the Capacity Charge discount of this rider.

For an existing Service Location, the BWL shall determine the contracted demand eligible for this rider, which may be based on the increase beyond the average of the three highest registered demands of historical load billed during the twelve (12) month period prior to the implementation of the incentive.



RESIDENTIAL ELECTRIC SERVICE RATE NO. 1

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

Service under this rate is not available when a portion of the dwelling or an appurtenant building 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 at separate Service Locations.

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>2/1/2019</u>	
Basic Service Charge	\$16.00	Per Service Location per month
Commodity Charge		
Summer Months of June through October	\$0.1235	Per kWh for the first 500 kWh
	\$0.1290	Per kWh for all kWh over 500 kWh
Winter Months of November through May	\$0.1235	Per kWh for the first 500 kWh
	\$0.1270	Per kWh for all kWh over 500 kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**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 Service Location through one meter. The limitation to secondary-voltage service may be waived at the sole discretion of the BWL. This rate is not available for emergency service 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:

	<u>2/1/2019</u>	
Basic Service Charge	\$32.00	Per Service Location per month
Commodity Charge		
Summer Months of June through October	\$0.1443	Per kWh for all kWh
Winter Months of November through May	\$0.1404	Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**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 Service Location through one metering installation and the Maximum Demand is 15 kW or more. The limitation to secondary-voltage service may be waived at the sole discretion of the BWL. This rate is not available for emergency service 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:

	<u>2/1/2019</u>	
Basic Service Charge	\$150.00	Per Service Location per month
Capacity Charge	\$17.25	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0789	Per kWh for all kWh
Winter Months of November through May	\$0.0744	Per kWh for all 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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

Maximum Demand - The Maximum Demand shall be the kW supplied during the 15-minute period of maximum use during the billing month, but the Capacity Charge shall never be less than 50% of the highest Maximum Demand of the preceding 11 billing months.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

Metering - Where the BWL elects to measure the service on the primary side of the transformer, the metered kW and 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 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.



**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 Service Location through one metering installation (except as provided below for Multiple Service Location Aggregation) and the On-Peak Billing Demand is 100 kW or more. This rate is not available for emergency service or standby 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>2/1/2019</u>	
Basic Service Charge	\$255.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$13.70	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$5.50	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0730	Per kWh for all kWh during the On-Peak Period
	\$0.0686	Per kWh for all kWh during the Off-Peak Period
Winter Months of November through May	\$0.0706	Per kWh for all kWh during the On-Peak Period
	\$0.0686	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 billing month.

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

Maximum Demand - The Maximum Demand shall be the kW supplied during the 15-minute period of maximum use during the billing month, whether on-peak or off-peak, but the Maximum Demand charge shall never be less than 50% of the highest Maximum Demand of the preceding 11 billing months.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations 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 Service Location 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 Service Locations 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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.



**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 Service Location through one meter. This rate is not available for emergency service, standby service, 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>2/1/2019</u>
Basic Service Charge	\$24.00 Per Service Location per month
Commodity Charge	\$0.1232 Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

Metering - For customers taking secondary voltage from the BWL and 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. For customers taking primary voltage from the BWL and where the BWL elects to measure the service on the secondary side of the transformers, the metered kWh 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, 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 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.



**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 Service Locations as provided below for Multiple Service Location 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 Service Locations for a period of not less than ten (10) years. This rate is not available for emergency service or standby 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>2/1/2019</u>	
Basic Service Charge	\$460.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$15.00	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$2.50	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0753	Per kWh for all kWh during the On-Peak Period
	\$0.0697	Per kWh for all kWh during the Off-Peak Period
Winter Months of November through May	\$0.0737	Per kWh for all kWh during the On-Peak Period
	\$0.0697	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

Maximum Demand: The Maximum Demand for each Service Location shall be the kW supplied during the 15-minute period of maximum use during the month whether on-peak or off-peak, but the Maximum Demand charge shall never be less than 1,000 kW.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations of a customer shall be summed for determination of the total On-Peak Billing Demand if the Maximum Demand determined at each Service Location equals or exceeds 1,000 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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 a Service Location'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:

<i>Luminaires on Overhead Mast Arm on existing BWL poles</i>	<i>2/1/2019</i>
High Pressure Sodium¹	
100 W	\$13.20
250 W	\$20.96
400 W	\$23.82
Mercury Vapor²	
175 W	\$13.86
400 W	\$23.82
LED End Mount	
1-19 W	\$9.70
20-39 W	\$10.24
40-59 W	\$10.79
60-79 W	\$11.34
80-99 W	\$11.89
100-119 W	\$12.43
120-139 W	\$12.98
140-159 W	\$13.53
160-179 W	\$14.07
180-199 W	\$14.62
200-219 W	\$15.17
220-239 W	\$15.72
240-259 W	\$16.26
260-279 W	\$16.81
280-299 W	\$17.36
300-319 W	\$17.91
320-339 W	\$18.45
340-359 W	\$19.00
360-379 W	\$19.55
380-399 W	\$20.09

¹ Rates apply to existing luminaires and are subject to cost and availability for new business.

² Rates apply to existing luminaires only and are not open to new business.

Floodlighting Luminaires on Bracket Arm on existing BWL poles	2/1/2019
High Pressure Sodium³	
100 W	\$17.55
250 W	\$23.62
400 W	\$27.70
Metal Halide³	
400 W	\$34.42
1000 W	\$59.55
1500 W	\$82.63
LED Flood	
1-19 W	\$11.33
20-39 W	\$11.87
40-59 W	\$12.42
60-79 W	\$12.97
80-99 W	\$13.51
100-119 W	\$14.06
120-139 W	\$14.61
140-159 W	\$15.16
160-179 W	\$15.70
180-199 W	\$16.25
200-219 W	\$16.80
220-239 W	\$17.35
240-259 W	\$17.89
260-279 W	\$18.44
280-299 W	\$18.99
300-319 W	\$19.53
320-339 W	\$20.08
340-359 W	\$20.63
360-379 W	\$21.19
380-399 W	\$21.73

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	2/1/2019
35-foot wood poles including span of overhead secondary extension	\$14.99 Per pole
37-foot concrete pole including span of overhead secondary extension	\$24.86 Per pole
Other facilities, hand set poles, or rearrangement of existing facilities	1.67% Of estimated cost

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.

³ Rates apply to existing luminaires and are subject to cost and availability for new business.

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 facilities charges are 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.



**UNMETERED DEVICE SERVICE
RATE NO. 11**

Availability - This rate is available to the US Government, any political subdivision or agency of the State of Michigan, and any public or private school district for lamp installations maintained for traffic regulation or guidance, as distinguished from street illumination and police signal systems. This rate is also available to other Unmetered Devices, such as Community Antenna Television Service Companies (CATV), wireless access companies, or security camera companies for unmetered Power Supply Units. Where the BWL's total investment to serve an individual Service Location exceeds three times the annual revenue to be derived from such Service Location, a contribution to BWL shall be required for the excess.

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>2/1/2019</u>	
Basic Service Charge	\$4.00	Per Service Location per month
Commodity Charge	\$0.0803	Per kWh for all kWh

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

Determination of kWh - Monthly kWh shall be determined by multiplying the total connected load in kW (including the lamps, ballasts, transformers, amplifiers, and control devices) times 730 hours.

The kWh for cyclical devices shall be 50% of the total kWh so calculated.

The kWh of continuous, non-intermittent devices shall be 100% of the total kWh so calculated.

The kWh of devices used for the control of school traffic, and operated not more than six hours per day during the school year only, shall be 10% of the continuous or cyclical kWh so calculated.

The kWh for CATV Power Supply Units shall be 50% of the total kWh as determined from the manufacturer's rated input capacity of the Power Supply Units or the actual test load, whichever is greater.

The kWh for Wireless Access and Security Camera Power Supply Units shall be 100% of the total kWh as determined from the manufacturer's rated input capacity of the Power Supply Units or the actual test load, whichever is greater.

The BWL may, at its option, install test meters for the purpose of determining the monthly kWh usage to be used for billing purposes.

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**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. This rate is not available for emergency service or standby service.

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. The secondary voltage is determined by the BWL.

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

	<u>2/1/2019</u>	
Basic Service Charge	\$40.00	Per Service Location per month
Commodity Charge		
Summer Months of June through October	\$0.1563	Per kWh for all kWh
Winter Months of November through May	\$0.1132	Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 turning on service at a Service Location irrespective of prior service with the BWL.

Effective: February 1, 2019

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



**RESIDENTIAL ELECTRIC SERVICE, SENIOR CITIZEN
RATE NO. 21**

Availability - This rate is available to any Service Location that qualifies for Electric Rate No. 1 where the customer is 65 years of age or older and head of the household being served.

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>2/1/2019</u>	
Basic Service Charge	\$11.25	Per Service Location per month
Commodity Charge		
Block 1	\$0.0860	Per kWh for the first 300 kWh
Block 2	\$0.1509	Per kWh for the next 200 kWh
Block 3	\$0.1860	Per kWh for all kWh over 500 kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**RESIDENTIAL PLUG-IN ELECTRIC VEHICLE CHARGING SERVICE
RATE NO. 22**

Availability - The Residential Plug-in Electric Vehicle Charging Rate is a voluntary rate available to any Service Location that qualifies for Electric Rate No. 1 where separately metered Electric Vehicle Supply Equipment (EVSE) capable of providing Level 2 charging for plug-in electric motor vehicles is installed.

“EVSE” means a device or apparatus, including vehicle supply cable, connector, internal relays and controls designed specifically for the purpose of delivering energy from the premises wiring to a plug-in-electric motor vehicle. This equipment must meet or exceed all applicable codes, standards, and required practices.

“Level 2 Charging” means providing 208 – 240 volt single phase alternating current energy to an onboard charger of an electric motor vehicle with a maximum current specified by the vehicle manufacturer.

Nature of Service - The service is alternating current, 60 hertz, single phase, 208 to 240 nominal volts, Level 2 Charging as defined. However, the new circuit protective device rating shall not to exceed 100 amperes.

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

	<u>2/1/2019</u>	
Basic Service Charge	\$1.95	Per Service Location per month
Commodity Charge		
Off-Peak Energy	\$0.0821	Per kWh for all Off-Peak kWh
On-Peak Energy	\$0.1715	Per kWh for all On-Peak kWh

Schedule of On-Peak and Off-Peak Periods - The On-Peak Period shall be from 7:00 a.m. until 11:00 p.m., Monday through Friday. All other hours shall comprise the Off-Peak Period.

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**STREET LIGHTING SERVICE
BWL 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 - Shall be computed in accordance with the following charges, payable in twelve (12) monthly installments:

	2/1/2019
High Pressure Sodium Luminaire¹	
70 W	\$106
100 W	\$121
150 W	\$141
250 W	\$171
400 W	\$218
1000 W	\$447
Mercury Vapor Luminaire²	
100 W	\$113
175 W	\$137
250 W	\$162
400 W	\$207
1000 W	\$392
Metal Halide Luminaire¹	
175 W ²	\$240
250 W ²	\$274
400 W	\$276
1000 W	\$535
1500 W	\$822
Induction Luminaire¹	
85 W	\$113
165 W	\$138
LED Decorative Luminaire	
1-19 W	\$142
20-39 W	\$148
40-59 W	\$155
60-79 W	\$162

¹ Rates apply to existing luminaires and are subject to cost and availability for new business.

² Rates apply to existing luminaires only and are not open to new business.

80-99 W	\$168
100-119 W	\$176
120-139 W	\$182
140-159 W	\$189
160-179 W	\$196
180-199 W	\$203
200-219 W	\$209
220-239 W	\$216
240-259 W	\$223
260-279 W	\$229
280-299 W	\$237
300-319 W	\$243
320-339 W	\$250
340-359 W	\$257
360-379 W	\$264
380-399 W	\$270
LED End Mount Luminaire	
1-19 W	\$120
20-39 W	\$127
40-59 W	\$134
60-79 W	\$141
80-99 W	\$147
100-119 W	\$154
120-139 W	\$161
140-159 W	\$167
160-179 W	\$175
180-199 W	\$181
200-219 W	\$188
220-239 W	\$195
240-259 W	\$202
260-279 W	\$208
280-299 W	\$215
300-319 W	\$222
320-339 W	\$228
340-359 W	\$236
360-379 W	\$242
380-399 W	\$249
LED Flood Luminaire	
1-19 W	\$140
20-39 W	\$147
40-59 W	\$154
60-79 W	\$161
80-99 W	\$167
100-119 W	\$175
120-139 W	\$181
140-159 W	\$188
160-179 W	\$195
180-199 W	\$201
200-219 W	\$208
220-239 W	\$215
240-259 W	\$222
260-279 W	\$228
280-299 W	\$236
300-319 W	\$242

320-339 W	\$249
340-359 W	\$256
360-379 W	\$262
380-399 W	\$269

Annual Rate (continued)

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

	2/1/2019
Wood Pole – Overhead Service	\$79
Wood Pole – Underground Service	\$123
Concrete Pole – Overhead Service	\$195
Concrete Pole – Underground Service	\$195
Post Top – Concrete	\$123
Historic – Single Top	\$406
Large Historic – Dual Top	\$813
Small Historic – Dual Top	\$684
Wall/Tunnel – 8760 Hours	\$171
Wall/Tunnel – 4200 Hours	\$104
Bollard	\$345

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 Electric 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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



**STREET LIGHTING SERVICE
BWL OWNED SYSTEMS
RATE NO. 31a**

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

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 monthly installments, shall consist of an annual energy charge and an annual facilities charge, as set forth below:

	<u>2/1/2019</u>
High Pressure Sodium Luminaire	\$0.66 per watt of rated energy usage
Metal Halide Luminaire	\$0.89 per watt of rated energy usage
LED Luminaire	\$0.47 per watt of rated energy usage

Annual Facilities Charge - The Annual Rate to recover the cost of luminaires, poles, attachments, and other equipment installed to provide service under this rate schedule, including the total facilities cost less any customer contributions, projected annual maintenance cost, and return on investment. The annual facilities charge for each luminaire and setting will be specified in the service contracts with each customer.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



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

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

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 - Shall be computed in accordance with the following charges, payable in twelve (12) monthly installments:

	2/1/2019
High Pressure Sodium Luminaire¹	
70 W	\$54
100 W	\$65
150 W	\$84
250 W	\$110
400 W	\$158
1000 W	\$373
Mercury Vapor Luminaire¹	
175 W	\$75
250 W	\$100
400 W	\$145
1000 W	\$317
Incandescent Luminaire¹	
2500 L	\$104
4000 L	\$166
6000 L	\$202
LED Luminaire	
1-19 W	\$49
20-39 W	\$55
40-59 W	\$61
60-79 W	\$68
80-99 W	\$74
100-119 W	\$82
120-139 W	\$88
140-159 W	\$95
160-179 W	\$101

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

180-199 W	\$108
200-219 W	\$114
220-239 W	\$121
240-259 W	\$127
260-279 W	\$133
280-299 W	\$141
300-319 W	\$147
320-339 W	\$154
340-359 W	\$160
360-379 W	\$167
380-399 W	\$173

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.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



**POLE ATTACHMENT
RATE NO. 41**

Availability - This rate is available to any customer desiring to attach cable, wire, or equipment to BWL-owned distribution or transmission poles and for which the BWL does not attach distribution cables and wires to poles owned by the attaching customer.

Nature of Service - This rate is only available for installations of one year or more and requires the customer to enter into an attachment agreement with the BWL before any attachment is made. All attachments to BWL poles are subject to approval by BWL. Energy used by any attached equipment shall be billed under a separate rate.

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

2/1/2019

Basic Service Charge

Cable or Wire Attachments	\$7.52	Per attachment per year or part thereof, \$300.00 minimum
Equipment Attachments	\$18.47	Per attachment per year or part thereof, \$300.00 minimum

Unauthorized Attachment Charge In addition to the Basic Service Charge, a penalty of five times the Annual Rate shall be charged for each unauthorized attachment each year or part thereof, with charges beginning on the date of attachment.

Application Charge - A non-refundable application charge will apply in accordance with the BWL Rules and Regulations.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.

For existing pole attachment customers, this rate will become effective the later of July 1, 2018 or at the termination of their existing agreements with the BWL.



**PRIMARY HIGH LOAD FACTOR SERVICE
RATE NO. 85**

Availability - This rate is available to any customer desiring primary voltage service when the electrical requirements are supplied at one Service Location through one metering installation (except as provided below for Multiple Service Location Aggregation) and the On-Peak Billing Demand is 1,000 kW or more. To be eligible for this rate, each Service Location must sustain an annual load factor of 85% or greater. Service Locations that fall below an annual load factor of 85% are subject to removal from this rate class and will be placed in Rate 5, Primary Service. This rate is not available for emergency service or standby 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>2/1/2019</u>	
Basic Service Charge	\$310.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$18.18	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$6.33	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0537	Per kWh for all kWh during the On-Peak period
	\$0.0491	Per kWh for all kWh during the Off-Peak period
Winter Months of November through May	\$0.0512	Per kWh for all kWh during the On-Peak period
	\$0.0491	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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, but the On-Peak Billing Demand charge shall never be less than 1,000 kW.

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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, but the Maximum Demand charge shall never be less than 1,000 kW.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations 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 Service Location must equal or exceed 1,000 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 Service Locations 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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.



RESIDENTIAL ELECTRIC SERVICE RATE NO. 1

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

Service under this rate is not available when a portion of the dwelling or an appurtenant building 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 at separate Service Locations.

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>2/1/2020</u>
Basic Service Charge	\$19.00 Per Service Location per month
Commodity Charge	
Summer Months of June through October	\$0.1242 Per kWh for the first 500 kWh \$0.1297 Per kWh for all kWh over 500 kWh
Winter Months of November through May	\$0.1242 Per kWh for the first 500 kWh \$0.1277 Per kWh for all kWh over 500 kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**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 Service Location through one meter. The limitation to secondary-voltage service may be waived at the sole discretion of the BWL. This rate is not available for emergency service 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:

	<u>2/1/2020</u>	
Basic Service Charge	\$36.00	Per Service Location per month
Commodity Charge		
Summer Months of June through October	\$0.1478	Per kWh for all kWh
Winter Months of November through May	\$0.1439	Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



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 Service Location through one metering installation and the Maximum Demand is 15 kW or more. The limitation to secondary-voltage service may be waived at the sole discretion of the BWL. This rate is not available for emergency service 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:

	<u>2/1/2020</u>	
Basic Service Charge	\$200.00	Per Service Location per month
Capacity Charge	\$20.50	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0717	Per kWh for all kWh
Winter Months of November through May	\$0.0672	Per kWh for all 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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

Maximum Demand - The Maximum Demand shall be the kW supplied during the 15-minute period of maximum use during the billing month, but the Capacity Charge shall never be less than 50% of the highest Maximum Demand of the preceding 11 billing months.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

Metering - Where the BWL elects to measure the service on the primary side of the transformer, the metered kW and 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 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.



**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 Service Location through one metering installation (except as provided below for Multiple Service Location Aggregation) and the On-Peak Billing Demand is 100 kW or more. This rate is not available for emergency service or standby 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>2/1/2020</u>	
Basic Service Charge	\$320.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$16.25	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$6.20	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0678	Per kWh for all kWh during the On-Peak Period
	\$0.0634	Per kWh for all kWh during the Off-Peak Period
Winter Months of November through May	\$0.0654	Per kWh for all kWh during the On-Peak Period
	\$0.0634	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 billing month, but the On-Peak Billing Demand charge shall never be less than 50% of the highest On-Peak Billing Demand of the preceding 11 billing months.

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

Maximum Demand - The Maximum Demand shall be the kW supplied during the 15-minute period of maximum use during the billing month, whether on-peak or off-peak, but the Maximum Demand charge shall never be less than 50% of the highest Maximum Demand of the preceding 11 billing months.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations 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 Service Location 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 Service Locations 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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.



**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 Service Location through one meter. This rate is not available for emergency service, standby service, 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>2/1/2020</u>
Basic Service Charge	\$28.00 Per Service Location per month
Commodity Charge	\$0.1285 Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

Metering - For customers taking secondary voltage from the BWL and 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. For customers taking primary voltage from the BWL and where the BWL elects to measure the service on the secondary side of the transformers, the metered kWh 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, 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 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.



**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 Service Locations as provided below for Multiple Service Location 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 Service Locations for a period of not less than ten (10) years. This rate is not available for emergency service or standby 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>2/1/2020</u>	
Basic Service Charge	\$490.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$17.00	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$2.75	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0745	Per kWh for all kWh during the On-Peak Period
	\$0.0689	Per kWh for all kWh during the Off-Peak Period
Winter Months of November through May	\$0.0729	Per kWh for all kWh during the On-Peak Period
	\$0.0689	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

Maximum Demand: The Maximum Demand for each Service Location shall be the kW supplied during the 15-minute period of maximum use during the month whether on-peak or off-peak, but the Maximum Demand charge shall never be less than 1,000 kW.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations of a customer shall be summed for determination of the total On-Peak Billing Demand if the Maximum Demand determined at each Service Location equals or exceeds 1,000 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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 a Service Location'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:

<i>Luminaires on Overhead Mast Arm on existing BWL poles</i>	<i>2/1/2020</i>
High Pressure Sodium¹	
100 W	\$13.45
250 W	\$21.36
400 W	\$24.28
Mercury Vapor²	
175 W	\$14.13
400 W	\$24.28
LED End Mount	
1-19 W	\$9.89
20-39 W	\$10.44
40-59 W	\$11.00
60-79 W	\$11.56
80-99 W	\$12.12
100-119 W	\$12.67
120-139 W	\$13.23
140-159 W	\$13.79
160-179 W	\$14.34
180-199 W	\$14.90
200-219 W	\$15.46
220-239 W	\$16.02
240-259 W	\$16.57
260-279 W	\$17.13
280-299 W	\$17.69
300-319 W	\$18.25
320-339 W	\$18.80
340-359 W	\$19.37
360-379 W	\$19.93
380-399 W	\$20.48

¹ Rates apply to existing luminaires and are subject to cost and availability for new business.

² Rates apply to existing luminaires only and are not open to new business.

Floodlighting Luminaires on Bracket Arm on existing BWL poles	2/1/2020
High Pressure Sodium³	
100 W	\$17.89
250 W	\$24.07
400 W	\$28.23
Metal Halide³	
400 W	\$35.08
1000 W	\$60.68
1500 W	\$84.20
LED Flood	
1-19 W	\$11.55
20-39 W	\$12.10
40-59 W	\$12.66
60-79 W	\$13.22
80-99 W	\$13.77
100-119 W	\$14.33
120-139 W	\$14.89
140-159 W	\$15.45
160-179 W	\$16.00
180-199 W	\$16.56
200-219 W	\$17.12
220-239 W	\$17.68
240-259 W	\$18.23
260-279 W	\$18.79
280-299 W	\$19.36
300-319 W	\$19.91
320-339 W	\$20.47
340-359 W	\$21.03
360-379 W	\$21.59
380-399 W	\$22.14

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	2/1/2020
35-foot wood poles including span of overhead secondary extension	\$15.28 Per pole
37-foot concrete pole including span of overhead secondary extension	\$25.33 Per pole
Other facilities, hand set poles, or rearrangement of existing facilities	1.67% Of estimated cost

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.

³ Rates apply to existing luminaires and are subject to cost and availability for new business.

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 facilities charges are 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.



**UNMETERED DEVICE SERVICE
RATE NO. 11**

Availability - This rate is available to the US Government, any political subdivision or agency of the State of Michigan, and any public or private school district for lamp installations maintained for traffic regulation or guidance, as distinguished from street illumination and police signal systems. This rate is also available to other Unmetered Devices, such as Community Antenna Television Service Companies (CATV), wireless access companies, or security camera companies for unmetered Power Supply Units. Where the BWL's total investment to serve an individual Service Location exceeds three times the annual revenue to be derived from such Service Location, a contribution to BWL shall be required for the excess.

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>2/1/2020</u>	
Basic Service Charge	\$4.50	Per Service Location per month
Commodity Charge	\$0.0873	Per kWh for all kWh

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

Determination of kWh - Monthly kWh shall be determined by multiplying the total connected load in kW (including the lamps, ballasts, transformers, amplifiers, and control devices) times 730 hours.

The kWh for cyclical devices shall be 50% of the total kWh so calculated.

The kWh of continuous, non-intermittent devices shall be 100% of the total kWh so calculated.

The kWh of devices used for the control of school traffic, and operated not more than six hours per day during the school year only, shall be 10% of the continuous or cyclical kWh so calculated.

The kWh for CATV Power Supply Units shall be 50% of the total kWh as determined from the manufacturer's rated input capacity of the Power Supply Units or the actual test load, whichever is greater.

The kWh for Wireless Access and Security Camera Power Supply Units shall be 100% of the total kWh as determined from the manufacturer's rated input capacity of the Power Supply Units or the actual test load, whichever is greater.

The BWL may, at its option, install test meters for the purpose of determining the monthly kWh usage to be used for billing purposes.

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**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. This rate is not available for emergency service or standby service.

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. The secondary voltage is determined by the BWL.

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

	<u>2/1/2020</u>	
Basic Service Charge	\$45.00	Per Service Location per month
Commodity Charge		
Summer Months of June through October	\$0.1582	Per kWh for all kWh
Winter Months of November through May	\$0.1151	Per kWh for all kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 turning on service at a Service Location irrespective of prior service with the BWL.

Effective: February 1, 2020

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



**RESIDENTIAL ELECTRIC SERVICE, SENIOR CITIZEN
RATE NO. 21**

Availability - This rate is available to any Service Location that qualifies for Electric Rate No. 1 where the customer is 65 years of age or older and head of the household being served.

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>2/1/2020</u>	
Basic Service Charge	\$14.25	Per Service Location per month
Commodity Charge		
Block 1	\$0.0786	Per kWh for the first 300 kWh
Block 2	\$0.1592	Per kWh for the next 200 kWh
Block 3	\$0.1943	Per kWh for all kWh over 500 kWh

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**RESIDENTIAL PLUG-IN ELECTRIC VEHICLE CHARGING SERVICE
RATE NO. 22**

Availability - The Residential Plug-in Electric Vehicle Charging Rate is a voluntary rate available to any Service Location that qualifies for Electric Rate No. 1 where separately metered Electric Vehicle Supply Equipment (EVSE) capable of providing Level 2 charging for plug-in electric motor vehicles is installed.

“EVSE” means a device or apparatus, including vehicle supply cable, connector, internal relays and controls designed specifically for the purpose of delivering energy from the premises wiring to a plug-in-electric motor vehicle. This equipment must meet or exceed all applicable codes, standards, and required practices.

“Level 2 Charging” means providing 208 – 240 volt single phase alternating current energy to an onboard charger of an electric motor vehicle with a maximum current specified by the vehicle manufacturer.

Nature of Service - The service is alternating current, 60 hertz, single phase, 208 to 240 nominal volts, Level 2 Charging as defined. However, the new circuit protective device rating shall not to exceed 100 amperes.

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

	<u>2/1/2020</u>	
Basic Service Charge	\$1.95	Per Service Location per month
Commodity Charge		
Off-Peak Energy	\$0.0821	Per kWh for all Off-Peak kWh
On-Peak Energy	\$0.1715	Per kWh for all On-Peak kWh

Schedule of On-Peak and Off-Peak Periods - The On-Peak Period shall be from 7:00 a.m. until 11:00 p.m., Monday through Friday. All other hours shall comprise the Off-Peak Period.

Minimum Bill - The Minimum Bill is the Basic Service Charge included in the Monthly Rate.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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 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.



**STREET LIGHTING SERVICE
BWL 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 - Shall be computed in accordance with the following charges, payable in twelve (12) monthly installments:

	2/1/2020
High Pressure Sodium Luminaire¹	
70 W	\$112
100 W	\$127
150 W	\$148
250 W	\$180
400 W	\$229
1000 W	\$470
Mercury Vapor Luminaire²	
100 W	\$118
175 W	\$144
250 W	\$170
400 W	\$218
1000 W	\$413
Metal Halide Luminaire¹	
175 W ²	\$252
250 W ²	\$288
400 W	\$290
1000 W	\$563
1500 W	\$864
Induction Luminaire¹	
85 W	\$118
165 W	\$145
LED Decorative Luminaire	
1-19 W	\$149
20-39 W	\$156
40-59 W	\$163
60-79 W	\$170

¹ Rates apply to existing luminaires and are subject to cost and availability for new business.

² Rates apply to existing luminaires only and are not open to new business.

80-99 W	\$177
100-119 W	\$185
120-139 W	\$191
140-159 W	\$199
160-179 W	\$206
180-199 W	\$214
200-219 W	\$220
220-239 W	\$227
240-259 W	\$235
260-279 W	\$241
280-299 W	\$249
300-319 W	\$256
320-339 W	\$263
340-359 W	\$270
360-379 W	\$278
380-399 W	\$284
LED End Mount Luminaire	
1-19 W	\$126
20-39 W	\$134
40-59 W	\$141
60-79 W	\$148
80-99 W	\$155
100-119 W	\$162
120-139 W	\$169
140-159 W	\$176
160-179 W	\$184
180-199 W	\$190
200-219 W	\$198
220-239 W	\$205
240-259 W	\$212
260-279 W	\$219
280-299 W	\$226
300-319 W	\$234
320-339 W	\$240
340-359 W	\$248
360-379 W	\$255
380-399 W	\$262
LED Flood Luminaire	
1-19 W	\$147
20-39 W	\$155
40-59 W	\$162
60-79 W	\$169
80-99 W	\$176
100-119 W	\$184
120-139 W	\$190
140-159 W	\$198
160-179 W	\$205
180-199 W	\$211
200-219 W	\$219
220-239 W	\$226
240-259 W	\$234
260-279 W	\$240
280-299 W	\$248
300-319 W	\$255

320-339 W	\$262
340-359 W	\$269
360-379 W	\$276
380-399 W	\$283

Annual Rate (continued)

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

	2/1/2020
Wood Pole – Overhead Service	\$83
Wood Pole – Underground Service	\$129
Concrete Pole – Overhead Service	\$205
Concrete Pole – Underground Service	\$205
Post Top – Concrete	\$129
Historic – Single Top	\$427
Large Historic – Dual Top	\$855
Small Historic – Dual Top	\$719
Wall/Tunnel – 8760 Hours	\$180
Wall/Tunnel – 4200 Hours	\$110
Bollard	\$363

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 Electric 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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



**STREET LIGHTING SERVICE
BWL OWNED SYSTEMS
RATE NO. 31a**

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

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 monthly installments, shall consist of an annual energy charge and an annual facilities charge, as set forth below:

	<u>2/1/2020</u>
High Pressure Sodium Luminaire	\$0.69 per watt of rated energy usage
Metal Halide Luminaire	\$0.92 per watt of rated energy usage
LED Luminaire	\$0.50 per watt of rated energy usage

Annual Facilities Charge - The Annual Rate to recover the cost of luminaires, poles, attachments, and other equipment installed to provide service under this rate schedule, including the total facilities cost less any customer contributions, projected annual maintenance cost, and return on investment. The annual facilities charge for each luminaire and setting will be specified in the service contracts with each customer.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



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

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

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 - Shall be computed in accordance with the following charges, payable in twelve (12) monthly installments:

	2/1/2020
High Pressure Sodium Luminaire¹	
70 W	\$55
100 W	\$66
150 W	\$85
250 W	\$112
400 W	\$161
1000 W	\$380
Mercury Vapor Luminaire¹	
175 W	\$77
250 W	\$102
400 W	\$147
1000 W	\$323
Incandescent Luminaire¹	
2500 L	\$106
4000 L	\$169
6000 L	\$206
LED Luminaire	
1-19 W	\$50
20-39 W	\$56
40-59 W	\$62
60-79 W	\$70
80-99 W	\$76
100-119 W	\$83
120-139 W	\$89
140-159 W	\$97
160-179 W	\$103

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

180-199 W	\$110
200-219 W	\$116
220-239 W	\$124
240-259 W	\$130
260-279 W	\$136
280-299 W	\$143
300-319 W	\$150
320-339 W	\$157
340-359 W	\$163
360-379 W	\$170
380-399 W	\$177

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.

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.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.



**POLE ATTACHMENT
RATE NO. 41**

Availability - This rate is available to any customer desiring to attach cable, wire, or equipment to BWL-owned distribution or transmission poles and for which the BWL does not attach distribution cables and wires to poles owned by the attaching customer.

Nature of Service - This rate is only available for installations of one year or more and requires the customer to enter into an attachment agreement with the BWL before any attachment is made. All attachments to BWL poles are subject to approval by BWL. Energy used by any attached equipment shall be billed under a separate rate.

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

2/1/2020

Basic Service Charge

Cable or Wire Attachments	\$7.74	Per attachment per year or part thereof, \$300.00 minimum
Equipment Attachments	\$19.02	Per attachment per year or part thereof, \$300.00 minimum

Unauthorized Attachment Charge In addition to the Basic Service Charge, a penalty of five times the Annual Rate shall be charged for each unauthorized attachment each year or part thereof, with charges beginning on the date of attachment.

Application Charge - A non-refundable application charge will apply in accordance with the BWL Rules and Regulations.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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.

For existing pole attachment customers, this rate will become effective the later of July 1, 2018 or at the termination of their existing agreements with the BWL.



**PRIMARY HIGH LOAD FACTOR SERVICE
RATE NO. 85**

Availability - This rate is available to any customer desiring primary voltage service when the electrical requirements are supplied at one Service Location through one metering installation (except as provided below for Multiple Service Location Aggregation) and the On-Peak Billing Demand is 1,000 kW or more. To be eligible for this rate, each Service Location must sustain an annual load factor of 85% or greater. Service Locations that fall below an annual load factor of 85% are subject to removal from this rate class and will be placed in Rate 5, Primary Service. This rate is not available for emergency service or standby 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>2/1/2020</u>	
Basic Service Charge	\$310.00	Per Service Location per month
Capacity Charge		
On-Peak Billing Demand	\$18.73	Per kW for all kW of On-Peak Billing Demand
Maximum Demand	\$6.52	Per kW for all kW of Maximum Demand
Commodity Charge		
Summer Months of June through October	\$0.0553	Per kWh for all kWh during the On-Peak period
	\$0.0506	Per kWh for all kWh during the Off-Peak period
Winter Months of November through May	\$0.0527	Per kWh for all kWh during the On-Peak period
	\$0.0506	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.

Power Supply Cost Recovery Adjustment - This rate is subject to a Power Supply Cost Recovery Adjustment factor as defined on a separate rate schedule incorporated herein by this reference.

Electric Environmental Charge - This rate is subject to an Electric Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

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

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of electric energy, will be in addition to the rates set forth herein.

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, but the On-Peak Billing Demand charge shall never be less than 1,000 kW.

The On-Peak Billing Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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, but the Maximum Demand charge shall never be less than 1,000 kW.

The Maximum Demand is subject to adjustment on a case by case basis should the Service Location include equipment that creates fluctuating high demands.

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 Service Location Aggregation - The 15-minute period demands of multiple Service Locations 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 Service Location must equal or exceed 1,000 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 Service Locations 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 Service Location independently.

Metering - Where the BWL elects to measure the service on the secondary side of the transformers, the metered kW and kWh 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, consumption as registered by the different meters will not be combined for billing purposes but will be billed and computed separately except as provided for in Multiple Service Location 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 Service Location. 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 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.

Attachment B
Water Rate Schedules



**RESIDENTIAL WATER SERVICE
RATE NO. 1**

Availability - This rate is available to any single-family dwelling or multifamily dwelling of 4 units or less served by one meter.

Service under this rate is not available when a portion of the dwelling is used for commercial, industrial, or resale purposes unless the plumbing is so arranged that service for residential and non-residential purposes are metered separately at separate Service Locations.

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

	<u>2/1/2018</u>	
Basic Service Charge		Per Service Location per month or part thereof
<u>Meter Size</u>		
5/8" or 3/4"*	\$13.72	
1"	\$33.51	
1 ¼" or 1 ½"	\$74.72	
2"	\$131.37	
 Commodity Charge	 \$2.94	 Per ccf of water

* The BWL standard residential installation is a 1" service line with a ¾" meter. The BWL reserves the right, in its sole judgment, to install 5/8" meters on any new service installation when circumstances warrant.

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - The Minimum Bill shall be the above Basic Service Charge.

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 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 Water Service incorporated herein by this reference.



**GENERAL WATER SERVICE
RATE NO. 2**

Availability - This rate is available to any customer desiring water for any purpose when supplied at one Service Location through one meter.

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

	<u>2/1/2018</u>	
Basic Service Charge		Per Service Location per month or part thereof
<u>Meter Size</u>		
5/8" or 3/4"*	\$13.72	
1"	\$33.51	
1 ¼" or 1 ½"	\$74.72	
2"	\$131.37	
3"	\$296.23	
4"	\$528.08	
6"	\$1,187.43	
8"	\$2,109.73	
10"	\$3,297.27	
 Commodity Charge		
	\$2.94	Per ccf of water

* The BWL standard residential installation is a 1" service line with a 3/4" meter. The BWL reserves the right, in its sole judgment, to install 5/8" meters on any new service installation when circumstances warrant.

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - The Minimum Bill shall be the above Basic Service Charge.

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 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 Water Service incorporated herein by this reference.



**WATER SYSTEM CONNECTION FEES
RATE NO. 3**

System Connection Fees - The following schedule of fees shall apply to all new water service connections made to the mains. Existing active services that are being upgraded and replaced with a larger service shall receive an offset to the new service connection fee in the amount of the connection fee of the replaced service.

Service Connection to Main	<u>2/1/2018</u>
1" or smaller	\$1,055
1 ½"	\$2,315
2"	\$4,115
3"	\$4,629
4"	\$8,229
6"	\$18,515
8" and over	\$32,916

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

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 Water Service incorporated herein by this reference.



**FIRE SERVICE
RATE NO. 4**

Fire Service - This rate is available to any Board of Water and Light customer desiring water service for fire protection purposes. A fire service line will be installed to a fire protection device or a customer's detector check valve in accordance with the schedule of charges for water system connection fees (Rate 3) and the current water service installation charges set forth in the Rules and Regulations for Water Service. The location of the detector check valve shall be determined by the Board of Water and Light.

Fire service lines shall be used for fire protection purposes only. No additional charges will be made for water used for routine testing and for fire response purposes. The customer shall maintain the detector check valve and fire protection system connected thereto in good condition in compliance with the BWL Cross Connection Control Program and local jurisdiction fire code.

Monthly Fire Service Charge - Water supply and maintenance of a fire service line to a fire protection device or a detector check valve shall be provided in accordance with the following schedule of charges:

Service Size	<u>2/1/2018</u>
4" or smaller	\$82
6"	\$187
8"	\$329
10" or larger	\$514

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 Water Service incorporated herein by this reference.



**LAWN SPRINKLING WATER SERVICE
RATE NO. 5**

Availability - This rate is available to any customer served on the BWL's water system where the water service is installed and utilized solely for lawn and landscape sprinkling at the Service Location. Municipalities having jurisdiction over sewer system rates may designate other uses of water which are subject to this rate.

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

Basic Service Charge

Billings subject to this rate are not subject to a Basic Service Charge.

Commodity Charge

2/1/2018

\$2.94 Per ccf of water

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 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 Water Service incorporated herein by this reference.



**FIRE HYDRANT CHARGES
RATE NO. 6**

Annual Fire Hydrant Charge - Water supply and maintenance of a fire service line to a public or private fire hydrant shall be provided in accordance with the following annual schedule of charges:

2/1/2018

Per Hydrant \$545

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 Water Service incorporated herein by this reference.



**RESIDENTIAL WATER SERVICE
RATE NO. 1**

Availability - This rate is available to any single-family dwelling or multifamily dwelling of 4 units or less served by one meter.

Service under this rate is not available when a portion of the dwelling is used for commercial, industrial, or resale purposes unless the plumbing is so arranged that service for residential and non-residential purposes are metered separately at separate Service Locations.

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

	<u>2/1/2019</u>	
Basic Service Charge		Per Service Location per month or part thereof
<u>Meter Size</u>		
5/8" or 3/4"*	\$14.75	
1"	\$36.02	
1 ¼" or 1 ½"	\$80.32	
2"	\$141.22	
 Commodity Charge	 \$3.16	 Per ccf of water

* The BWL standard residential installation is a 1" service line with a ¾" meter. The BWL reserves the right, in its sole judgment, to install 5/8" meters on any new service installation when circumstances warrant.

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - The Minimum Bill shall be the above Basic Service Charge.

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 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 Water Service incorporated herein by this reference.



**GENERAL WATER SERVICE
RATE NO. 2**

Availability - This rate is available to any customer desiring water for any purpose when supplied at one Service Location through one meter.

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

Basic Service Charge	<u>2/1/2019</u>	Per Service Location per month or part thereof
<u>Meter Size</u>		
5/8" or 3/4"*	\$14.75	
1"	\$36.02	
1 ¼" or 1 ½"	\$80.32	
2"	\$141.22	
3"	\$318.45	
4"	\$567.69	
6"	\$1,276.49	
8"	\$2,267.96	
10"	\$3,544.57	

Commodity Charge \$3.16 Per ccf of water

* The BWL standard residential installation is a 1" service line with a 3/4" meter. The BWL reserves the right, in its sole judgment, to install 5/8" meters on any new service installation when circumstances warrant.

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - The Minimum Bill shall be the above Basic Service Charge.

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 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 Water Service incorporated herein by this reference.



**WATER SYSTEM CONNECTION FEES
RATE NO. 3**

System Connection Fees - The following schedule of fees shall apply to all new water service connections made to the mains. Existing active services that are being upgraded and replaced with a larger service shall receive an offset to the new service connection fee in the amount of the connection fee of the replaced service.

Service Connection to Main	<u>2/1/2019</u>
1" or smaller	\$1,134
1 ½"	\$2,489
2"	\$4,424
3"	\$4,976
4"	\$8,846
6"	\$19,904
8" and over	\$35,385

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

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 Water Service incorporated herein by this reference.



**FIRE SERVICE
RATE NO. 4**

Fire Service - This rate is available to any Board of Water and Light customer desiring water service for fire protection purposes. A fire service line will be installed to a fire protection device or a customer's detector check valve in accordance with the schedule of charges for water system connection fees (Rate 3) and the current water service installation charges set forth in the Rules and Regulations for Water Service. The location of the detector check valve shall be determined by the Board of Water and Light.

Fire service lines shall be used for fire protection purposes only. No additional charges will be made for water used for routine testing and for fire response purposes. The customer shall maintain the detector check valve and fire protection system connected thereto in good condition in compliance with the BWL Cross Connection Control Program and local jurisdiction fire code.

Monthly Fire Service Charge - Water supply and maintenance of a fire service line to a fire protection device or a detector check valve shall be provided in accordance with the following schedule of charges:

Service Size	<u>2/1/2019</u>
4" or smaller	\$88
6"	\$201
8"	\$354
10" or larger	\$553

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 Water Service incorporated herein by this reference.



**LAWN SPRINKLING WATER SERVICE
RATE NO. 5**

Availability - This rate is available to any customer served on the BWL's water system where the water service is installed and utilized solely for lawn and landscape sprinkling at the Service Location. Municipalities having jurisdiction over sewer system rates may designate other uses of water which are subject to this rate.

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

Basic Service Charge

Billings subject to this rate are not subject to a Basic Service Charge.

Commodity Charge

2/1/2019

\$3.16 Per ccf of water

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 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 Water Service incorporated herein by this reference.



**FIRE HYDRANT CHARGES
RATE NO. 6**

Annual Fire Hydrant Charge - Water supply and maintenance of a fire service line to a public or private fire hydrant shall be provided in accordance with the following annual schedule of charges:

2/1/2019

Per Hydrant	\$586
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Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 Water Service incorporated herein by this reference.



**RESIDENTIAL WATER SERVICE
RATE NO. 1**

Availability - This rate is available to any single-family dwelling or multifamily dwelling of 4 units or less served by one meter.

Service under this rate is not available when a portion of the dwelling is used for commercial, industrial, or resale purposes unless the plumbing is so arranged that service for residential and non-residential purposes are metered separately at separate Service Locations.

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

	<u>2/1/2020</u>	
Basic Service Charge		Per Service Location per month or part thereof
<u>Meter Size</u>		
5/8" or 3/4"*	\$15.86	
1"	\$38.72	
1 ¼" or 1 ½"	\$86.35	
2"	\$151.81	
Commodity Charge	\$3.40	Per ccf of water

* The BWL standard residential installation is a 1" service line with a ¾" meter. The BWL reserves the right, in its sole judgment, to install 5/8" meters on any new service installation when circumstances warrant.

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - The Minimum Bill shall be the above Basic Service Charge.

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 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 Water Service incorporated herein by this reference.



**GENERAL WATER SERVICE
RATE NO. 2**

Availability - This rate is available to any customer desiring water for any purpose when supplied at one Service Location through one meter.

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

	<u>2/1/2020</u>	
Basic Service Charge		Per Service Location per month or part thereof
<u>Meter Size</u>		
5/8" or 3/4"*	\$15.86	
1"	\$38.72	
1 ¼" or 1 ½"	\$86.35	
2"	\$151.81	
3"	\$342.33	
4"	\$610.26	
6"	\$1,372.22	
8"	\$2,438.06	
10"	\$3,810.41	
 Commodity Charge		
	\$3.40	Per ccf of water

* The BWL standard residential installation is a 1" service line with a 3/4" meter. The BWL reserves the right, in its sole judgment, to install 5/8" meters on any new service installation when circumstances warrant.

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - The Minimum Bill shall be the above Basic Service Charge.

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 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 Water Service incorporated herein by this reference.



**WATER SYSTEM CONNECTION FEES
RATE NO. 3**

System Connection Fees - The following schedule of fees shall apply to all new water service connections made to the mains. Existing active services that are being upgraded and replaced with a larger service shall receive an offset to the new service connection fee in the amount of the connection fee of the replaced service.

Service Connection to Main	<u>2/1/2020</u>
1" or smaller	\$1,219
1 ½"	\$2,675
2"	\$4,755
3"	\$5,349
4"	\$9,510
6"	\$21,396
8" and over	\$38,039

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

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 Water Service incorporated herein by this reference.



**FIRE SERVICE
RATE NO. 4**

Fire Service - This rate is available to any Board of Water and Light customer desiring water service for fire protection purposes. A fire service line will be installed to a fire protection device or a customer's detector check valve in accordance with the schedule of charges for water system connection fees (Rate 3) and the current water service installation charges set forth in the Rules and Regulations for Water Service. The location of the detector check valve shall be determined by the Board of Water and Light.

Fire service lines shall be used for fire protection purposes only. No additional charges will be made for water used for routine testing and for fire response purposes. The customer shall maintain the detector check valve and fire protection system connected thereto in good condition in compliance with the BWL Cross Connection Control Program and local jurisdiction fire code.

Monthly Fire Service Charge - Water supply and maintenance of a fire service line to a fire protection device or a detector check valve shall be provided in accordance with the following schedule of charges:

Service Size	<u>2/1/2020</u>
4" or smaller	\$95
6"	\$216
8"	\$380
10" or larger	\$594

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 Water Service incorporated herein by this reference.



**LAWN SPRINKLING WATER SERVICE
RATE NO. 5**

Availability - This rate is available to any customer served on the BWL's water system where the water service is installed and utilized solely for lawn and landscape sprinkling at the Service Location. Municipalities having jurisdiction over sewer system rates may designate other uses of water which are subject to this rate.

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

Basic Service Charge Billings subject to this rate are not subject to a Basic Service Charge.

Commodity Charge 2/1/2020
\$3.40 Per ccf of water

Power and Chemical Cost Adjustment - The power and chemical cost adjustment shall consist of an increase or decrease of 0.1¢ per ccf billed for each 0.1¢ increase or decrease in the average cost of power and chemicals required to deliver treated water to the customer's meter above or below 44.7¢ per ccf. The cost per ccf for the billing period shall consist of the weighted average cost of chemicals, electricity, steam and oil used in pumping and treatment facilities during the one month period preceding the month billed by two months.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 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 Water Service incorporated herein by this reference.



**FIRE HYDRANT CHARGES
RATE NO. 6**

Annual Fire Hydrant Charge - Water supply and maintenance of a fire service line to a public or private fire hydrant shall be provided in accordance with the following annual schedule of charges:

2/1/2020

Per Hydrant	\$630
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Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of water, will be in addition to the rates set forth herein.

Minimum Bill - Billings subject to this rate are not subject to a Minimum Bill.

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 Water Service incorporated herein by this reference.

Attachment C
Steam Rate Schedules



**GENERAL STEAM SERVICE
RATE NO. 1**

Availability - This rate is available to any customer receiving service from the Board of Water and Light (BWL) steam distribution system with a maximum gauge pressure of fifteen pounds per square inch (15 psi).

Nature of Service - Saturated steam up to a maximum gauge pressure of 15 psi. Upon request, steam services at gauge pressures above 15 psi but not exceeding 100 psi, when available, may be supplied at the option of the BWL.

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

	<u>2/1/2018</u>	
Basic Service Charge	\$14.31	Per Service Location per month
Commodity Charge		
Months of June through November	\$16.32	Per 1,000 lbs. for the first 200,000 lbs.
	\$17.13	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.
Months of December through May	\$16.51	Per 1,000 lbs. for the first 200,000 lbs.
	\$17.34	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.

Surcharge - A surcharge of ten (10) percent shall be added to the above rates for steam service supplied upon customer's request for service at gauge pressure above 15 psi but not exceeding 100 psi.

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

Amine Treatment Adjustment - The amine treatment adjustment allows for the monthly adjustment of rates to reflect the actual cost incurred due to amine feed. The factor shall be applied to each 1,000 pounds (lbs.) billed. The factor shall consist of 1.124 times the weighted average amine cost per 1,000 lbs. treated during the previous month.

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - The Basic Service Charge included in the rate except that Special Minimum Charges shall be billed when the revenue received does not adequately compensate the BWL for the cost of furnishing service.

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.

Reconnect Charge - A reconnect charge shall be added to any Service Location which discontinues and reconnects service at the same Service Location within a twelve (12) month period. The reconnect charge is specified in the BWL Rules and Regulations for Steam Service.

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



**INDUSTRIAL STEAM SERVICE
RATE NO. 2**

Availability - This rate is available to any customer engaged in mining or manufacturing and receiving steam at any BWL plant wall at a minimum gauge pressure of 250 psi. Service will be provided upon customer entering into a steam supply contract with the BWL. Terms and Conditions of the contract may vary due to customer requirements and the impact on BWL facilities.

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

2/1/2018

Demand Charge

Contract Demand	\$1.65 Per pound per hour (lb/hr) for all lb/hrs of contract demand
Excess Demand	\$1.42 Per pound per hour (lb/hr) for all lb/hrs exceeding contract demand

Commodity Charge

\$10.04 Per 1,000 lbs. (Mlbs.)

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

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - Monthly Contract Demand Charge above.

Billing Demand - The billing demand is the maximum demand (lb/hrs) supplied during the 15-minute period of maximum use during the month, but not less than the contract demand.

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 Steam Service incorporated herein by this reference.



**CONTRACT STEAM SERVICE
RATE NO. 3**

Availability - This rate is available to any customer receiving service from the Board of Water and Light (BWL) steam transmission or distribution system with a gauge pressure in excess of 100 psi. Service will be provided upon customer entering into a steam supply contract with the BWL. Terms and conditions of the contract may vary due to customer requirements and the impact on BWL facilities. This service may include both firm and curtailable service.

Monthly Rate - Per contract terms.

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

Steam Environmental Charge - Per contract terms.

Amine Treatment Adjustment - Per contract terms.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - Per contract terms.

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 Steam Service incorporated herein by this reference.



**RESIDENTIAL STEAM SERVICE
RATE NO. 5**

Availability - This rate is available to any single-family dwelling or multifamily dwelling of 4 units or less when the entire service requirements are supplied at one Service Location through one meter.

Service under this rate is not available when a portion of the dwelling unit is used for commercial, industrial, or resale purposes unless the service is so arranged that residential and non-residential purposes are metered separately at separate Service Locations.

Nature of Service - Saturated steam up to a maximum gauge pressure of 15 psi. Steam services at gauge pressures above 15 psi but not exceeding 100 psi, when available, may be supplied at the option of the BWL or upon request by the customer.

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

	<u>2/1/2018</u>	
Basic Service Charge	\$10.60	Per Service Location per month
Commodity Charge		
Months of June through November	\$12.64	Per 1,000 lbs. for the first 200,000 lbs.
	\$13.23	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.
Months of December through May	\$12.79	Per 1,000 lbs. for the first 200,000 lbs.
	\$13.39	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.

Surcharge - A surcharge of ten (10) percent shall be added to the above rates for steam service supplied upon customer's request for service at gauge pressure above 15 psi but not exceeding 100 psi.

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

Amine Treatment Adjustment - The amine treatment adjustment allows for the monthly adjustment of rates to reflect the actual cost incurred due to amine feed. The factor shall be applied to each 1,000 pounds (lbs.) billed. The factor shall consist of 1.124 times the weighted average amine cost per 1,000 lbs. treated during the previous month.

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - The Basic Service Charge included in the rate except that Special Minimum Charges shall be billed when the revenue received does not adequately compensate the BWL for the cost of furnishing service.

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.

Reconnect Charge - A reconnect charge shall be added to any Service Location which discontinues and reconnects service at the same Service Location within a twelve (12) month period. The reconnect charge is specified in the BWL Rules and Regulations for Steam Service.

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

Effective: February 1, 2018



STEAM ENVIRONMENTAL CHARGE

Purpose - The Steam Environmental Charge permits the recovery of costs and expenses incurred from environmental remediation and mitigation activities that are required as a matter of agreement, order, decree, or law. All residential, general service, contract, and industrial rates are subject to the Steam Environmental Charge, with the Charge added to the MIbs cost of each MIbs billed. All revenues collected from the Steam Environmental Charge will be directly applied to offset these environmental expense and associated Return on Equity expenses. The Steam Environmental Charge shall be reviewed and revised periodically until the balance is zero. Should the Steam Environmental Charge collect revenues in excess of environmental expenses, the difference shall be refunded to the applicable rates.

The Steam Environmental Charge shall be reviewed and revised periodically in accordance with the provisions of this schedule.

Environmental Charge - The current Environmental Charge is **\$0.30/MIbs**.



STEAM FUEL COST ADJUSTMENT

Purpose - The Fuel Cost Adjustment permits the monthly adjustment of rates for the costs of fuel incurred in supplying steam. All general, contract, industrial and residential service rates are subject to the Fuel Cost Adjustment. In applying the Fuel Cost Adjustment, the applicable rate per Mlbs. shall be increased or decreased by the amount of the current Fuel Cost Adjustment.

The Fuel Cost Adjustment shall be reviewed and, as necessary, revised periodically in accordance with the provisions of this schedule, but not less frequently than every twelve months.

Fuel Cost Adjustment - the amount per Mlbs. by which the applicable rates shall be adjusted for billing in each month.

Fuel Costs - those costs incurred in supplying steam. Costs include, but are not limited to, fuel burned and fuel related cost, fuel transportation, pre and post combustion fuel additives, fuel procurement, and environmental allowances.

Over/Under Recovery - the difference between actual Fuel Costs for prior months and the amount of Fuel Cost recovered by means of the Base Cost of Fuel and the Fuel Cost Adjustment. The Over/Under Recovery shall be added to the Fuel Costs for purposes of computing the Fuel Cost Adjustment for each month.

Base Cost of Fuel - the average Fuel Cost included in the fuel rates of the various rate schedules. Such amount shall not be recovered by means of the Fuel Cost Adjustment. The current Base Cost of Fuel is \$4.7831 per thousand pounds of steam (Mlbs.) sold.



**GENERAL STEAM SERVICE
RATE NO. 1**

Availability - This rate is available to any customer receiving service from the Board of Water and Light (BWL) steam distribution system with a maximum gauge pressure of fifteen pounds per square inch (15 psi).

Nature of Service - Saturated steam up to a maximum gauge pressure of 15 psi. Upon request, steam services at gauge pressures above 15 psi but not exceeding 100 psi, when available, may be supplied at the option of the BWL.

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

	<u>2/1/2019</u>	
Basic Service Charge	\$15.38	Per Service Location per month
Commodity Charge		
Months of June through November	\$17.54	Per 1,000 lbs. for the first 200,000 lbs.
	\$18.41	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.
Months of December through May	\$17.75	Per 1,000 lbs. for the first 200,000 lbs.
	\$18.64	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.

Surcharge - A surcharge of ten (10) percent shall be added to the above rates for steam service supplied upon customer's request for service at gauge pressure above 15 psi but not exceeding 100 psi.

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

Amine Treatment Adjustment - The amine treatment adjustment allows for the monthly adjustment of rates to reflect the actual cost incurred due to amine feed. The factor shall be applied to each 1,000 pounds (lbs.) billed. The factor shall consist of 1.124 times the weighted average amine cost per 1,000 lbs. treated during the previous month.

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - The Basic Service Charge included in the rate except that Special Minimum Charges shall be billed when the revenue received does not adequately compensate the BWL for the cost of furnishing service.

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.

Reconnect Charge - A reconnect charge shall be added to any Service Location which discontinues and reconnects service at the same Service Location within a twelve (12) month period. The reconnect charge is specified in the BWL Rules and Regulations for Steam Service.

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



**INDUSTRIAL STEAM SERVICE
RATE NO. 2**

Availability - This rate is available to any customer engaged in mining or manufacturing and receiving steam at any BWL plant wall at a minimum gauge pressure of 250 psi. Service will be provided upon customer entering into a steam supply contract with the BWL. Terms and Conditions of the contract may vary due to customer requirements and the impact on BWL facilities.

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

2/1/2019

Demand Charge

Contract Demand	\$1.77 Per pound per hour (lb/hr) for all lb/hrs of contract demand
Excess Demand	\$1.53 Per pound per hour (lb/hr) for all lb/hrs exceeding contract demand

Commodity Charge

\$10.79 Per 1,000 lbs. (Mlbs.)

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

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - Monthly Contract Demand Charge above.

Billing Demand - The billing demand is the maximum demand (lb/hrs) supplied during the 15-minute period of maximum use during the month, but not less than the contract demand.

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 Steam Service incorporated herein by this reference.



**CONTRACT STEAM SERVICE
RATE NO. 3**

Availability - This rate is available to any customer receiving service from the Board of Water and Light (BWL) steam transmission or distribution system with a gauge pressure in excess of 100 psi. Service will be provided upon customer entering into a steam supply contract with the BWL. Terms and conditions of the contract may vary due to customer requirements and the impact on BWL facilities. This service may include both firm and curtailable service.

Monthly Rate - Per contract terms.

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

Steam Environmental Charge - Per contract terms.

Amine Treatment Adjustment - Per contract terms.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - Per contract terms.

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 Steam Service incorporated herein by this reference.



**RESIDENTIAL STEAM SERVICE
RATE NO. 5**

Availability - This rate is available to any single-family dwelling or multifamily dwelling of 4 units or less when the entire service requirements are supplied at one Service Location through one meter.

Service under this rate is not available when a portion of the dwelling unit is used for commercial, industrial, or resale purposes unless the service is so arranged that residential and non-residential purposes are metered separately at separate Service Locations.

Nature of Service - Saturated steam up to a maximum gauge pressure of 15 psi. Steam services at gauge pressures above 15 psi but not exceeding 100 psi, when available, may be supplied at the option of the BWL or upon request by the customer.

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

	<u>2/1/2019</u>
Basic Service Charge	\$11.40 Per Service Location per month
Commodity Charge	
Months of June through November	\$13.59 Per 1,000 lbs. for the first 200,000 lbs. \$14.22 Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.
Months of December through May	\$13.75 Per 1,000 lbs. for the first 200,000 lbs. \$14.39 Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.

Surcharge - A surcharge of ten (10) percent shall be added to the above rates for steam service supplied upon customer's request for service at gauge pressure above 15 psi but not exceeding 100 psi.

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

Amine Treatment Adjustment - The amine treatment adjustment allows for the monthly adjustment of rates to reflect the actual cost incurred due to amine feed. The factor shall be applied to each 1,000 pounds (lbs.) billed. The factor shall consist of 1.124 times the weighted average amine cost per 1,000 lbs. treated during the previous month.

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - The Basic Service Charge included in the rate except that Special Minimum Charges shall be billed when the revenue received does not adequately compensate the BWL for the cost of furnishing service.

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.

Reconnect Charge - A reconnect charge shall be added to any Service Location which discontinues and reconnects service at the same Service Location within a twelve (12) month period. The reconnect charge is specified in the BWL Rules and Regulations for Steam Service.

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



**GENERAL STEAM SERVICE
RATE NO. 1**

Availability - This rate is available to any customer receiving service from the Board of Water and Light (BWL) steam distribution system with a maximum gauge pressure of fifteen pounds per square inch (15 psi).

Nature of Service - Saturated steam up to a maximum gauge pressure of 15 psi. Upon request, steam services at gauge pressures above 15 psi but not exceeding 100 psi, when available, may be supplied at the option of the BWL.

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

	<u>2/1/2020</u>	
Basic Service Charge	\$16.54	Per Service Location per month
Commodity Charge		
Months of June through November	\$18.86	Per 1,000 lbs. for the first 200,000 lbs.
	\$19.80	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.
Months of December through May	\$19.08	Per 1,000 lbs. for the first 200,000 lbs.
	\$20.04	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.

Surcharge - A surcharge of ten (10) percent shall be added to the above rates for steam service supplied upon customer's request for service at gauge pressure above 15 psi but not exceeding 100 psi.

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

Amine Treatment Adjustment - The amine treatment adjustment allows for the monthly adjustment of rates to reflect the actual cost incurred due to amine feed. The factor shall be applied to each 1,000 pounds (lbs.) billed. The factor shall consist of 1.124 times the weighted average amine cost per 1,000 lbs. treated during the previous month.

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - The Basic Service Charge included in the rate except that Special Minimum Charges shall be billed when the revenue received does not adequately compensate the BWL for the cost of furnishing service.

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.

Reconnect Charge - A reconnect charge shall be added to any Service Location which discontinues and reconnects service at the same Service Location within a twelve (12) month period. The reconnect charge is specified in the BWL Rules and Regulations for Steam Service.

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



**INDUSTRIAL STEAM SERVICE
RATE NO. 2**

Availability - This rate is available to any customer engaged in mining or manufacturing and receiving steam at any BWL plant wall at a minimum gauge pressure of 250 psi. Service will be provided upon customer entering into a steam supply contract with the BWL. Terms and Conditions of the contract may vary due to customer requirements and the impact on BWL facilities.

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

2/1/2020

Demand Charge

Contract Demand	\$1.91 Per pound per hour (lb/hr) for all lb/hrs of contract demand
Excess Demand	\$1.64 Per pound per hour (lb/hr) for all lb/hrs exceeding contract demand

Commodity Charge

\$11.60 Per 1,000 lbs. (Mlbs.)

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

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - Monthly Contract Demand Charge above.

Billing Demand - The billing demand is the maximum demand (lb/hrs) supplied during the 15-minute period of maximum use during the month, but not less than the contract demand.

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 Steam Service incorporated herein by this reference.



**CONTRACT STEAM SERVICE
RATE NO. 3**

Availability - This rate is available to any customer receiving service from the Board of Water and Light (BWL) steam transmission or distribution system with a gauge pressure in excess of 100 psi. Service will be provided upon customer entering into a steam supply contract with the BWL. Terms and conditions of the contract may vary due to customer requirements and the impact on BWL facilities. This service may include both firm and curtailable service.

Monthly Rate - Per contract terms.

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

Steam Environmental Charge - Per contract terms.

Amine Treatment Adjustment - Per contract terms.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - Per contract terms.

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 Steam Service incorporated herein by this reference.



**RESIDENTIAL STEAM SERVICE
RATE NO. 5**

Availability - This rate is available to any single-family dwelling or multifamily dwelling of 4 units or less when the entire service requirements are supplied at one Service Location through one meter.

Service under this rate is not available when a portion of the dwelling unit is used for commercial, industrial, or resale purposes unless the service is so arranged that residential and non-residential purposes are metered separately at separate Service Locations.

Nature of Service - Saturated steam up to a maximum gauge pressure of 15 psi. Steam services at gauge pressures above 15 psi but not exceeding 100 psi, when available, may be supplied at the option of the BWL or upon request by the customer.

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

	<u>2/1/2020</u>	
Basic Service Charge	\$12.25	Per Service Location per month
Commodity Charge		
Months of June through November	\$14.61	Per 1,000 lbs. for the first 200,000 lbs.
	\$15.29	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.
Months of December through May	\$14.78	Per 1,000 lbs. for the first 200,000 lbs.
	\$15.47	Per 1,000 lbs. for all 1,000 lbs. over 200,000 lbs.

Surcharge - A surcharge of ten (10) percent shall be added to the above rates for steam service supplied upon customer's request for service at gauge pressure above 15 psi but not exceeding 100 psi.

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

Amine Treatment Adjustment - The amine treatment adjustment allows for the monthly adjustment of rates to reflect the actual cost incurred due to amine feed. The factor shall be applied to each 1,000 pounds (lbs.) billed. The factor shall consist of 1.124 times the weighted average amine cost per 1,000 lbs. treated during the previous month.

Steam Environmental Charge - This rate is subject to a Steam Environmental Charge as defined on a separate rate schedule incorporated herein by this reference.

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of steam, will be in addition to the rates set forth herein.

Minimum Charge - The Basic Service Charge included in the rate except that Special Minimum Charges shall be billed when the revenue received does not adequately compensate the BWL for the cost of furnishing service.

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.

Reconnect Charge - A reconnect charge shall be added to any Service Location which discontinues and reconnects service at the same Service Location within a twelve (12) month period. The reconnect charge is specified in the BWL Rules and Regulations for Steam Service.

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

Effective: February 1, 2020

Attachment D
Chilled Water Rate Schedules



CHILLED WATER ECONOMIC DEVELOPMENT RIDER

Purpose - The Board of Water & Light (BWL) provides economic incentives to its utility service customers with a goal of attracting new customers or growing the business of existing customers. The incentives are employed where, in the BWL's judgment: a) the incentive is a major determining factor for the customer to take or add BWL service(s), and b) use of the incentive will result in economic and other benefits to the BWL and its customers.

Availability - This rider is available to new or existing customers through General Chilled Water Service Rate No. 1. The customer must commit to creating new load or significantly increasing existing load. The BWL will, in its sole discretion, determine the percentage and duration of the incentive offered to the customer. The customer may be required to enter into a written agreement that specifies its commitment to economic development and the BWL's incentives.

Monthly Rate

This rider provides for a discount on the Capacity Charge portion of the customer's monthly billing for the applicable Service Location. The BWL will determine the appropriate Capacity Charge, which will not be less than the following schedule:

Discounted Capacity Charge (per ton)	
Years 1-2	Not less than \$10.00
Years 3-4	Not less than \$20.00
Years 5-6	Not less than \$30.00

At the end of the incentive period and all years thereafter, the customer will be billed the standard Capacity Charge as listed in the General Chilled Water Service Rate 1.

Capacity Eligible for Discount

For a new Service Location, the total Billing Demand shall be eligible for the discounted rate of this rider.

For an existing Service Location, the BWL shall determine the contracted demand eligible for this rider, which may be based on the increase beyond the average of the three highest registered demands of historical load billed during the twelve (12) month period prior to the implementation of the incentive.



GENERAL CHILLED WATER SERVICE RATE NO. 1

Availability - This rate is available to any customer desiring service from the Board of Water and Light (BWL) district cooling system. Service will be provided upon the customer entering into a contract with the BWL. The contract will govern the customer's contract demand and terms and conditions of service, which may vary due to customer requirements and the impact on BWL facilities. This rate is not available for standby or emergency service.

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

2/1/2019

Capacity Charge

Contract Demand	\$45.05	Per ton for all tons of billing demand less than or equal to 105% of the contract demand
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Excess Demand	\$63.08	Per ton for all tons of billing demand exceeding 105% of the contract demand
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Commodity Charge	\$0.128	Per ton-hour
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Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of chilled water, will be in addition to the rates set forth herein.

Minimum Monthly Charge - The Capacity Charge included in the rate.

Billing Demand - The Billing Demand shall be the maximum demand (tons) supplied during the 15-minute period of maximum use, but not less than 85% of the Contract Demand. The General Manager is authorized to waive Billing Demand in excess of 105% of the Contract Demand where such Billing Demand is incurred is the result of emergency conditions at a Service Location and such emergency condition is caused by equipment or piping failure and the BWL concurs in the existence of an emergency condition.

Temperature Factor Adjustment - During the months of May through October; if the Service Location's return water temperature is below 52 degrees Fahrenheit (F), the Service Location's commodity charge will be increased by 2.0% for either; (1) each degree Fahrenheit the Service Location's supply and return water temperature differential is less than 10 degrees F or, (2) each degree Fahrenheit the Service Location's return water temperature is below 52 degrees F, whichever is less. The General Manager is authorized to waive the application of the Temperature Factor Adjustment where warranted.

Metering - All Service Locations using chilled water from the BWL chilled water system shall be metered. The BWL shall determine the form in which the commodity shall be metered.

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 Chilled Water Service incorporated herein by this reference.

Effective: February 1, 2019



**GENERAL CHILLED WATER SERVICE
RATE NO. 1**

Availability - This rate is available to any customer desiring service from the Board of Water and Light (BWL) district cooling system. Service will be provided upon the customer entering into a contract with the BWL. The contract will govern the customer's contract demand and terms and conditions of service, which may vary due to customer requirements and the impact on BWL facilities. This rate is not available for standby or emergency service.

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

2/1/2020

Capacity Charge

Contract Demand	\$45.05	Per ton for all tons of billing demand less than or equal to 105% of the contract demand
Excess Demand	\$63.08	Per ton for all tons of billing demand exceeding 105% of the contract demand

Commodity Charge \$0.128 Per ton-hour

Fee and Tax Adjustment - Any taxes, assessments, franchise fees, or any other charges or fees levied by a governmental entity or political subdivision upon Board of Water & Light property, operations, or the production, distribution or sale of chilled water, will be in addition to the rates set forth herein.

Minimum Monthly Charge - The Capacity Charge included in the rate.

Billing Demand - The Billing Demand shall be the maximum demand (tons) supplied during the 15-minute period of maximum use, but not less than 85% of the Contract Demand. The General Manager is authorized to waive Billing Demand in excess of 105% of the Contract Demand where such Billing Demand is incurred is the result of emergency conditions at a Service Location and such emergency condition is caused by equipment or piping failure and the BWL concurs in the existence of an emergency condition.

Temperature Factor Adjustment - During the months of May through October; if the Service Location's return water temperature is below 52 degrees Fahrenheit (F), the Service Location's commodity charge will be increased by 2.0% for either; (1) each degree Fahrenheit the Service Location's supply and return water temperature differential is less than 10 degrees F or, (2) each degree Fahrenheit the Service Location's return water temperature is below 52 degrees F, whichever is less. The General Manager is authorized to waive the application of the Temperature Factor Adjustment where warranted.

Metering - All Service Locations using chilled water from the BWL chilled water system shall be metered. The BWL shall determine the form in which the commodity shall be metered.

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 Chilled Water Service incorporated herein by this reference.