



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.



**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.



**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.



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 **\$0.0006/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	\$0.00	NA /kWh
Rate 21 Senior Citizen Residential	\$0.00	NA /kWh
<u>Small Secondary Commercial and Industrial</u>		
Rates 3 and 12		\$0.00 /Service Location
<u>Large Secondary Commercial and Industrial</u>		
Rate 4	\$	\$0.00 /Service Location
<u>Primary Commercial and Industrial</u>		
Rates 5, 85, and 8	\$	\$0.00 /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.



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.