



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

Availability – The Experimental Residential Plug-in Vehicle Charging Rate is a voluntary pilot rate available to any single-family or multifamily dwelling of 4 units or less with separately metered Electric Vehicle Supply Equipment (EVSE) capable of providing Level 2 charging for plug-in electric motor vehicles.

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

“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 the following codes, standards and recommended practices:

1. National Electric Code Article 625 Electric Vehicle Charging System.
2. Society of Automotive Engineers Standard (SAE) J1772.
3. Underwriters Laboratory (UL) 2202, Charging Station Safety.
4. UL 2231 Personal Protection Device.
5. UL 2251 Standard for Safety of Plugs, Receptacles and Couplers for EVs.
6. UL 1998 Standard for Safety-Related Software
7. UL 991 Standard for Tests for Safety-Related Controls Employing Solid-State Devices
8. UL Subject 2594 Electric Vehicle Supply Equipment
9. Michigan Administration codes 408.30801 or 408.30876.

“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 at maximum 32 continuous amps and a Branch Circuit Breaker rated at 40 amps. The maximum continuous input power is specified as 7.68 Kilowatts.

Nature of Service - The service is alternating current, 60 hertz, single phase, 208 to 240 nominal volts, Level 2 Charging as defined.

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

| | | |
|-----------------------------|----------------|--------------------------------|
| | <u>11/1/14</u> | |
| Basic Service Charge | \$1.95 | Per customer per month |
| Commodity Charge | \$ 0.0821 | Per kWh for all Off-Peak Usage |
| | \$ 0.1715 | Per kWh for all On-Peak Usage |

On-Peak Hours: All kWh used between 7am and 11 pm Monday through Friday.

Off-Peak Hours: All other kWh used.

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

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

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

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

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



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

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

Effective: November 1, 2014



ENERGY COST ADJUSTMENT

The Energy Cost Adjustment permits the monthly adjustment of rates for the costs of energy incurred in supplying electricity to retail customers. All residential and general service rates are subject to the Energy Cost Adjustment. In applying the Energy Cost Adjustment, the applicable rate per kWh shall be increased or decreased by the amount of the current Energy Cost Adjustment. The following definitions and procedures will be followed in calculating the monthly Energy Cost Adjustment.

Definitions

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

Energy Costs - those costs incurred in supplying retail and wholesale electricity. Such costs include fuel burned, energy costs associated with firm power purchases, net interchange power costs, and costs associated with other temporary power transactions. The cost of fuel burned shall include the delivered cost of fuel (base cost, escalations, premiums/penalties, transportation, demurrage), outside lab fees and other outside costs related to fuel procurement, and fuel additives such as freeze proofing.

Over/Under Recovery - the difference between actual Energy Costs for prior months and the amount of energy cost recovered by means of the Base Cost of Energy and the Energy Cost Adjustment. The Over/Under Recovery shall be added to the Energy Costs for purposes of computing the Energy Cost Adjustment for each month. Energy costs will be offset with wholesale revenues.

Base Cost of Energy - the average Energy Cost included in the energy rates of the various rate schedules. Such amount shall not be recovered by means of the Energy Cost Adjustment. The current Base Cost of Energy is \$0.047934 per kWh sold.

Procedures

Estimated Energy Cost shall be projected for a twelve-month period. Any amount of Over/Under Recovery (positive or negative) shall be added to the Energy Cost to determine the total cost basis for the Energy Cost Adjustment. The total cost basis shall be divided by the projected total retail billed sales for the twelve-month period resulting in the average energy cost per kWh. The Base Cost of Energy shall be subtracted from the average energy cost to result in the Energy Cost Adjustment.

The Energy 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.