

CITY OF TRAVERSE CITY, MICHIGAN
LIGHT AND POWER DEPARTMENT

ELECTRIC SERVICE RATES

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City of Traverse City
Light and Power Department
Effective: May 14, 2013

COMMUNITY SOLAR GARDEN PHASE I RATE

(Rate "SLR1")

Availability:

Available to any customer that has an active TCL&P account who has a signed TCL&P Participating Customer Solar Energy Credit Purchase Agreement or an approved Sun Alliance Solar Garden Credit Transfer form which constitutes their investment in a solar panel(s) offered through the Solar Up North Alliance for the Phase I project located at 5930 US 31 South, Grawn, Michigan in which TCL&P is a partner.

Monthly Rate:

Cherryland Electric Cooperative (Cherryland) will make monthly payments to TCL&P equal to the total of TCL&P's proportional share of the total Solar Garden net metering savings, if any, multiplied by a rate per kilowatt hour equal to Cherryland's annual wholesale cost of power, less distribution charges, which shall be calculated annually by Cherryland.

A monthly credit shall be applied to TCL&P's customer accounts based upon the customer's incremental share of the total Solar Garden monthly payment provided by Cherryland.

POWER SERVICE COST RECOVERY

The Power Service Cost Recovery shall be derived as follows: The net purchased power costs, including MISO expenses, during the month shall be totaled and then divided by the net Traverse City energy provided to yield a cost per kWh experienced during that month. This experienced cost is then compared to the base cost of 64.57 mils/kWh with the resulting difference in mils/kWh to be multiplied by 105%; the resulting difference so multiplied shall be known as the Power Service Cost Recovery and shall be applied as follows beginning on the first day of the second month following data acquisition. If the experienced cost is higher than the base cost, the Power Service Cost Recovery shall be added onto the cost of all kWh billed. If the experienced cost is lower than the base cost, the Power Service Cost Recovery will be subtracted from the cost of all kWh billed.

The Department shall establish a (0-15 mil) DELAYED PSCR BILLING BANK to be administered by the Executive Director, or designate, for the purpose of stabilizing the PSCR as rendered.

PRIVATE AREA LIGHTING SERVICE

(Rate "PAL")

Availability:

Open to any customer desiring photoelectric-controlled, un-metered Private Area Lighting (also referred to as "Security Lighting" or "Dusk-to-Dawn" lighting).

Nature of Service:

The Department will install, own and maintain un-metered, photoelectric-controlled luminaires in mutually-agreeable locations as required by the customer. Standard overhead equipment includes wood poles and non-decorative fixtures. Customer can only request standard offerings. HPS no longer a new service. The Light and Power Board retains the right to self-fund special lighting projects that it determines are in the best interest of the City.

Monthly Rate:

TYPE OF LUMINAIRE	Nominal Rating of Lamps (One Lamp Per Luminaire)		Rate per month
HIGH PRESSURE SODIUM	<u>Watts</u>	<u>Lumens</u>	
High Level Light	100	8,500	\$10.61
High Level Light	250	24,000	\$14.71
Low Level Pedestrian Light	35	3,600	\$12.17
Low Level Pedestrian Light (Energy and maintenance only)	35	3,600	\$ 6.04
Low Level Pedestrian Light	50	5,100	\$12.54
Low Level Pedestrian Light	100	8,500	\$13.72
 LED			
Conversion Pedestrian Light	50	3,300	\$ 7.33
High Level Light	54	15,000	\$ 8.19
High Level Light	62	6,500	\$ 9.78
High Level Light	112	8,500	\$ 9.87
High Level Light	119	12,900	\$11.57
High Level Light	137	15,000	\$12.12
High Level Light	283	30,000	\$17.31

Private Area Lighting Service (Rate "PAL"), cont.

The charge per pole (per month) shall be:

POLES

Wood pole	\$ 3.56
Fiberglass pole	\$ 9.49
Candy cane pole	\$15.94
Acorn pole	\$10.59

Terms and Conditions:

Initial minimum term is one (1) year for each installation.

Special Conditions:

Where the customer desires other than standard wood poles or desires underground wiring or special equipment not covered herein, the Department, at its option, will provide such facilities by special agreement. In addition, the customer agrees to furnish the Department with a trenchable route across their property, if needed, and agrees to restore any damage due to trenching at their cost.

Due Date:

The due date of the customer's bill will be shown on the bill and will be at least twenty-five (25) days after mailing. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Michigan Sales Tax:

This tax shall be added to all bills, including the minimum, where applicable.

STREET LIGHTING SERVICE

(Rate "GV")

Availability:

Open to the State of Michigan or any political subdivision or agency thereof having jurisdiction over public streets or roadways for street lighting service for any system consisting of one or more luminaries where the Department has an existing distribution system with secondary voltage available.

Nature of Service:

The Department will furnish, install, and own all equipment comprising the street lighting system. The Department will supply the energy and maintain the entire equipment with the replacement of the asset subject to the utility's Decorative Lighting Policy and Street Lighting Operations and Maintenance Policy. In areas where the Department has installed a residential underground electric distribution system, the street lighting system will be served from said underground electric distribution system. In all other areas, the street lighting system will normally be served from either overhead lines or from underground cables as available. Standard overhead equipment includes wood poles and non-decorative fixtures. Any lighting system other than this will be charged based on expected life and an 5% carrying cost of capital. The Light and Power Board retains the right to self-fund special lighting projects that it determines are in the best interest of the City.

Monthly Rate:

The charge per luminaire (per month) shall be:

Type of Luminaire	Nominal Rating of Lamps (One Lamp Per Luminaire)		Rate Per Luminaire (per month)
	<u>Watts</u>	<u>Lumens</u>	
HIGH PRESSURE SODIUM			
High Level Light	100	8,500	\$ 10.61
High Level Light	250	24,000	\$ 14.71
Low Level Pedestrian Light	35	3,600	\$ 12.17
Low Level Pedestrian Light	50	5,100	\$ 12.54
Low Level Pedestrian Light	100	8,500	\$ 13.72
Designated Areas (LL)	35	3,600	\$ 6.04
Designated Areas (LL)	50	5,100	\$ 6.41
Tart Trail Globe Lights (LL)	70	6,300	\$ 9.16

Street Lighting Service (Rate "SL"), cont.

Type of Luminaire	Nominal Rating of Lamps (One Lamp Per Luminaire)		Rate Per Luminaire (per month)
LED	<u>Watts</u>	<u>Lumens</u>	
High Level Light	45	3,300	\$ 7.43
High Level Light	54	15,000	\$ 8.19
High Level Light	112	8,500	\$ 9.87
High Level Light	130	28,000	\$ 11.11
High Level Light	157	28,000	\$ 12.56
Low Level Pedestrian – Candy Cane	50	3,300	\$ 7.33
Low Level Pedestrian– Garland Street (Energy only)	75	7,482	\$ 4.50
Low Level Pedestrian– Silver Drive	86	4,630	\$ 12.76

The charge per pole (per month) shall be:

Pole Type	Rate Per Pole (per month)
West Front Street (includes lighting component)	\$ 19.64
Silver Drive	\$ 8.53
Candy Cane	\$ 15.94
Acorn	\$ 10.59

Near intersections, the Department, at its option and expense, may install a 50 watt lamp in lieu of a 35 watt lamp.

Due Date:

The due date of the customer's bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

TELECOMMUNICATIONS RATE

(Rate "TC")

Availability:

Available to customers other than public utilities desiring to attach cable, wire, or equipment to TCLP owned distribution or transmission poles and for which TCLP does not attach distribution cables and wires to poles owned by the attaching customer., This rate is offered at the discretion of the Light and Power Board and may not be available if the Board determines, in any particular case, that it is not in the public interest to do so. A signed Agreement is required, which describes terms and conditions of service to which this rate applies.

Nature of Service:

Attachments to the Department's poles must conform to applicable federal, state, and local electrical code requirements as well as Department's standards – particularly with conformance to separation of services. The Department reserves the right to remove attachments at any time, without notice, if removal is required for safety or emergency reasons. The Department will not be liable for damage to telecommunications facilities. If any such damage should occur, customer must pay for replacement, relocation, or repair.

Rates and Charges:

One time license agreement fee	\$360.00
Permit application fee per pole	\$ 50.00
Engineering analysis fee per pole	\$100.00
Annual wireline pole attachment fee:	\$8.04/per pole
Equipment attachments	\$14.97 per foot/per attachment
Annual small cell wireless attachments	\$14.97 per foot/per attachment not to exceed \$50.00 per attachment

The permit application, engineering analysis, and the annual attachment for small cell wireless shall be adjusted every five years after March 12, 2019 by 10% rounded to the nearest dollar. The one-time license agreement is not applicable for small cell wireless license agreements.

Per foot is defined as the amount of space taken up on the pole.

Whenever this Agreement requires Licensee to pay for work done or contracted by Utility in accordance with the pole attachment agreement, the charge for such work shall include reasonable material, labor, engineering, administrative and applicable overhead costs.

Telecommunications (Rate “TC”), cont.

Failure to timely transfer, abandon or remove facilities or improperly assign penalty will be \$500 per day.

Any unauthorized attachment penalty fee will be five times the annual attachment fee, per occurrence.

Due Date:

Payment of the Applicable Annual Rates shall be due no later than July 31 of each year for the current rental period. The initial annual rental period shall commence upon the date the permits are issued and conclude on the following June 30 with the fees to be prorated. The subsequent annual rental period commence on the following July 1 and conclude on June 30 of the subsequent year.

The due date for billings will be thirty (30) days after the billing is mailed. A late charge of 1% per month compounded for any delinquent payments.

SOLAR GOVERNMENTAL RENEWABLE POWER COST RECOVERY RATE

Availability:

Available for meters where a governmental customer consumes energy for their operations and wishes for all or a part of it to be from a renewable source and TCL&P has available renewable energy sources.

Rate:

For the Heritage Sustainable Energy project, the Solar Governmental Renewable Power Cost Recovery Rate shall be derived as follows: An initial estimate has been created calculating the average solar renewable power cost recovery rate over the term of the contract taking into consideration the avoided cost of solar (the component costs of the utility to purchase energy off the market), which include energy, capacity, transmission and renewable energy credits and comparing it to the costs of the M-72 solar purchase power contract with Heritage Sustainable Energy, LLC ("M-72 solar").

Rates for other projects will be established as that renewable energy source becomes available and customers subscribe to buy the energy from a project.

The initial Solar Governmental Renewable Power Cost Recovery Rate as calculated above will be \$24,794 or \$.0023 per kWh (average of the difference between the avoided cost of solar and the purchase power contract) spread among the applicable meters on a per kWh basis.

In March, after each full calendar year of operation, the avoided cost will be recalculated and the difference between it and the purchase power contract of a project will be inputted into the initial estimate calculation providing a new average solar governmental renewable power cost recovery rate starting in July and ending in June the following year. The final year of the tariff rate will true up the difference between the amount charged to the customer and the actual cost and or discount of the solar governmental renewable power cost recovery rate.

The cost per kWh will be based on the annual load of the previous fiscal year.

Term:

The term of the rate is from the date of Commercial Operation of Solar Energy and for the life of the purchase power agreement for the project plus one year to true up the cost and or discount between the difference of the amount charged to the customer and actual cost and or discount of the solar governmental renewable power cost recovery rate. A customer wanting this rate shall subscribe to it for this term.

City of Traverse City
Light and Power Department
Effective: September 1, 2017

Solar Governmental Renewable Power Cost Recovery, cont.

Power Service Cost Recovery:

Customers on this rate are subject to the Department's Power Service Cost Recovery as it is the basis for to determine the avoided cost of solar.

RENEWABLE ELECTRIC ENERGY RIDER

Availability:

The rider is available to customers making use of a TCL&P metered electric rate schedule(s).

Nature of Service:

TCL&P will provide green power to system or if needed, purchase renewable energy credits per the participant enrollment. However, TCL&P does not guarantee that the actual electricity delivered to each participant's facility at any specific time will be produced from a green supply resource.

Monthly Rate:

Customer's electing this premium service option will receive an additional charge per kWh in the amount of \$.0042 for the specified amount of electricity attributable to the customer. The customer may elect to have 25%, 50%, 75% or 100% of their consumption that will be renewable energy. The amount of kWh's will be based on the availability of resources including renewable energy credits TCL&P is able to secure.

Term:

All participants electing to sign up for this rider will be enrolled until notification is received from the customer requesting termination of the rider.

ELECTRIC VEHICLE PUBLIC CHARGING

(Rate "E")

Availability:

This rate schedule applies to electric service to a customer using a public electric vehicle charging station under the Electric Vehicle Public Charging program. Charging is based on energy charge for the amount of energy consumed and when applicable a "per-minute" rate is applied for the idle time the car is connected but not consuming energy."

This schedule is not available for any use other than the purchase of retail electricity as a transportation fuel.

Level 2 Charging

Energy Charge

Summer On Peak	\$.41 cost per kWh
Summer Off Peak	\$.25 cost per kWh
Winter On Peak	\$.27 cost per kWh
Winter Off Peak	\$.22 cost per kWh

Cost while vehicle is idle \$.04 cost per minute

DC Fast Charging

Energy Charge

Summer On Peak	\$.45 cost per kWh
Summer Off Peak	\$.29 cost per kWh
Winter On Peak	\$.31 cost per kWh
Winter Off Peak	\$.26 cost per kWh

Cost while vehicle is idle \$.12 cost per minute

Determination of Seasonal Periods:

The summer period shall mean June, July, August and September billing months. The winter period shall mean January, February, March, April, May, October, November and December billing months.

Electric Vehicle Public Charging (Rate “E”), cont.

Determination of On Peak and Off Peak Periods:

Summer Period – On Peak hours for each day shall, for the purpose of this rate schedule, be from 1 pm to 5 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered Off Peak.

Winter Period – On Peak hours for each day shall, for the purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered Off Peak.

Processing fee: The applicable contracted processing fee will be added to the above rate and pass through to the customer.

Parking Rates: Electric vehicle charging stations located within the Auto Parking System will include parking rates as approved by the Traverse City Commission with those revenues appropriated to the City of Traverse City Auto Parking Fund. Parking rates will be charged following the schedule of the Auto Parking System enforcement schedule.

Taxes:

All applicable taxes required by law will be incorporated into the tariff rate.

Time of Use Rate
ECO-CHAMPION RESIDENTIAL SERVICE

(Rate "ECR")

Availability:

Available to single family residences, individually metered dwelling units in: mobile home courts, apartment buildings, condominiums, and multiple dwelling units. The major use of electricity is for domestic purposes such as lighting, household appliances, and the person comfort and convenience of those residing within. This rate is not available for general service or for resale purposes.

Service for single phase motors may be included under this rate, provided the individual capacity of such motors does not exceed 3 hp, nor the total capacity of 10 hp, without the specific consent of the Department.

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:

Alternating current, 60 hertz, single phase, 120/240 nominal volts.

Monthly Rate:

Non Phase In

Customer Charge:	\$14.55 per month, plus
Energy Charge - Winter:	On-Peak 12.69¢ per kWh Off-Peak 7.40¢ per kWh
Energy Charge – Summer:	On-Peak 27.56¢ per kWh Off-Peak 10.50¢ per kWh

Phase In

Customer Charge:	\$14.55 per month, plus
Energy Charge - Winter:	On-Peak 11.63¢ per kWh Off-Peak 8.83¢ per kWh
Energy Charge – Summer:	On-Peak 19.50¢ per kWh Off-Peak 10.47¢ per kWh

Eco-Champion Residential Service (Rate “ECR”), cont.

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Determination of Off-Peak and On-Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 1 pm to 5 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department’s Power Service Cost Recovery.

Minimum Charge:

The customer charge included in the rate.

Due Date:

The due date of the customer’s bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Michigan Sales Tax:

This tax shall be added to all bills, including minimum, where applicable.

Time of Use Rate
ECO-STEADY RESIDENTIAL SERVICE

(Rate "ESR")

Availability:

Available to single family residences, individually metered dwelling units in: mobile home courts, apartment buildings, condominiums, and multiple dwelling units. The major use of electricity is for domestic purposes such as lighting, household appliances, and the person comfort and convenience of those residing within. This rate is not available for general service or for resale purposes.

Service for single phase motors may be included under this rate, provided the individual capacity of such motors does not exceed 3 hp, nor the total capacity of 10 hp, without the specific consent of the Department.

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:

Alternating current, 60 hertz, single phase, 120/240 nominal volts.

Monthly Rate:

Non Phase In

Customer Charge:	\$14.55 per month, plus
Energy Charge - Winter:	On-Peak 12.70¢ per kWh Off-Peak 7.41¢ per kWh
Energy Charge – Summer:	On-Peak 21.48¢ per kWh Off-Peak 10.12¢ per kWh

Phase In

Customer Charge:	\$14.55 per month, plus
Energy Charge - Winter:	On-Peak 11.76¢ per kWh Off-Peak 8.93¢ per kWh
Energy Charge – Summer:	On-Peak 16.45¢ per kWh Off-Peak 10.38¢ per kWh

Eco-Steady Residential Service (Rate “ESR”), cont.

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Determination of Off-Peak and On-Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 11 am to 6 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department’s Power Service Cost Recovery.

Minimum Charge:

The customer charge included in the rate.

Due Date:

The due date of the customer’s bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Michigan Sales Tax:

This tax shall be added to all bills, including minimum, where applicable.

Time of Use Rate
ECO-CHAMPION COMMERCIAL/GENERAL SECONDARY
SERVICE

(Rate "ECC")

Availability:

Open to any customer desiring secondary voltage service. This rate is not available for auxiliary standby, resale service, or for street lighting service.

Nature of Service:

Alternating current, 60 hertz, single phase or three phase, the particular nature of the voltage in each case to be determined by the Department.

When the service is three phase, 3-wire, lighting may be included provided the customer furnishes all transformation facilities required for such purpose and so arranges the lighting circuits as to avoid excessive unbalance of the three phase load. When the service is single phase, or 4-wire, three phase, the single phase individual motor capacity shall not exceed 3 hp, nor the total single phase motor capacity 10 hp, without the specific consent of the Department.

Monthly Rate:

Non Phase In

Customer Charge:	\$25.75 per month, plus
Energy Charge - Winter:	On-Peak 14.98¢ per kWh Off-Peak 8.654¢ per kWh
Energy Charge – Summer:	On-Peak 27.78¢ per kWh Off-Peak 10.66¢ per kWh

Phase In

Customer Charge:	\$25.75 per month, plus
Energy Charge - Winter:	On-Peak 14.15¢ per kWh Off-Peak 10.63¢ per kWh
Energy Charge – Summer:	On-Peak 21.27¢ per kWh Off-Peak 11.75¢ per kWh

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Eco-Champion Commercial/General Secondary Service (Rate “ECC”), cont.

Determination of Off-Peak and On Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 1 pm to 5 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department’s Power Service Cost Recovery.

Minimum Charge:

The customer charge included in the rate.

Due Date:

The due date of the customer’s bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Michigan Sales Tax:

This tax shall be added to all bills, including minimum, where applicable.

Time of Use Rate
ECO-STEADY COMMERCIAL/GENERAL SECONDARY
SERVICE

(Rate "ESC")

Availability:

Open to any customer desiring secondary voltage service. This rate is not available for auxiliary standby, resale service, or for street lighting service.

Nature of Service:

Alternating current, 60 hertz, single phase or three phase, the particular nature of the voltage in each case to be determined by the Department.

When the service is three phase, 3-wire, lighting may be included provided the customer furnishes all transformation facilities required for such purpose and so arranges the lighting circuits as to avoid excessive unbalance of the three phase load. When the service is single phase, or 4-wire, three phase, the single phase individual motor capacity shall not exceed 3 hp, nor the total single phase motor capacity 10 hp, without the specific consent of the Department.

Monthly Rate:

Non Phase In

Customer Charge:	\$25.75 per month, plus
Energy Charge - Winter:	On-Peak 14.77¢ per kWh Off-Peak 8.53¢ per kWh
Energy Charge – Summer:	On-Peak 21.38¢ per kWh Off-Peak 10.12¢ per kWh

Phase In

Customer Charge:	\$25.75 per month, plus
Energy Charge - Winter:	On-Peak 13.84¢ per kWh Off-Peak 10.40¢ per kWh
Energy Charge – Summer:	On-Peak 17.48¢ per kWh Off-Peak 11.27¢ per kWh

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Eco-Steady Commercial/General Secondary Service (Rate “ESC”), cont.

Determination of Off-Peak and On Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 11 am to 6 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department’s Power Service Cost Recovery.

Minimum Bill:

The customer charge included in the rate.

Due Date:

The due date of the customer’s bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Michigan Sales Tax:

This tax shall be added to all bills, including minimum, where applicable.

Time of Use Rate
ECO-CHAMPION COMMERCIAL DEMAND/GENERAL
SECONDARY SERVICE

(Optional Rate "ECD")

Availability:

Open to any customer desiring secondary voltage service where the billing demand is 5 kW or more. This rate is not available for street lighting or for resale purposes.

Nature of Service:

Alternating current, 60 hertz, single phase or three phase, the particular nature of the voltage in each case to be determined by the Department.

When the service is three phase, 3-wire, lighting may be included, provided the customer furnishes all transformation facilities required for such purpose and so arranges the lighting circuits as to avoid excessive unbalance of the three phase load. When the service is single phase, or 4-wire, three phase, the single phase individual motor capacity shall not exceed 3 hp, nor the total single phase motor capacity 10 hp, without the specific consent of the Department.

Monthly Rate:

Non Phase In

Customer Charge:	\$45.00 per month, plus
Energy Charge - Winter:	On-Peak 11.53¢ per kWh Off-Peak 6.17¢ per kWh
Energy Charge – Summer:	On-Peak 26.60¢ per kWh Off-Peak 9.31¢ per kWh
Demand Charge:	\$4.65 per kW

Phase In

Customer Charge:	\$45.00 per month, plus
Energy Charge - Winter:	On-Peak 9.51¢ per kWh Off-Peak 6.27¢ per kWh
Energy Charge – Summer:	On-Peak 18.60¢ per kWh Off-Peak 8.17¢ per kWh
Demand Charge:	\$10.40 per kW

Eco-Champion Commercial Demand/General Secondary Service (Optional Rate “ECD”), cont.

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Determination of Off-Peak and On :

Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 1 pm to 5 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department’s Power Service Cost Recovery.

Minimum Charge:

The customer charge included in the rate.

Due Date:

The due date of the customer’s bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Michigan Sales Tax:

This tax shall be added to all bills, including minimum, where applicable.

Demand:

The billing demand shall be the peak kilowatts (kW) supplied during the month, but not less than the 5 kW.

Eco-Champion Commercial Demand/General Secondary Service (Optional Rate “ECD”), cont.

Adjustment of Power Factor:

When the average power factor during the billing month is less than 80% lagging, the Department reserves the right to increase the capacity charge for such billing month in the ratio that 80% bears to such power factor. The Department may, at its option, determine the power factor by test or by permanently installed measuring equipment.

Time of Use Rate
ECO-STEADY COMMERCIAL DEMAND/GENERAL SECONDARY SERVICE

(Optional Rate "ESD")

Availability:

Open to any customer desiring secondary voltage service where the billing demand is 5 kW or more. This rate is not available for street lighting or for resale purposes.

Nature of Service:

Alternating current, 60 hertz, single phase or three phase, the particular nature of the voltage in each case to be determined by the Department.

When the service is three phase, 3-wire, lighting may be included, provided the customer furnishes all transformation facilities required for such purpose and so arranges the lighting circuits as to avoid excessive unbalance of the three phase load. When the service is single phase, or 4-wire, three phase, the single phase individual motor capacity shall not exceed 3 hp, nor the total single phase motor capacity 10 hp, without the specific consent of the Department.

Monthly Rate:

Non Phase In

Customer Charge:	\$45.00 per month, plus
Energy Charge - Winter:	On-Peak 11.44¢ per kWh Off-Peak 6.12¢ per kWh
Energy Charge – Summer:	On-Peak 20.28¢ per kWh Off-Peak 8.84¢ per kWh
Demand Charge:	\$4.65 per kW

Phase In

Customer Charge:	\$45.00 per month, plus
Energy Charge - Winter:	On-Peak 9.40¢ per kWh Off-Peak 6.21¢ per kWh
Energy Charge – Summer:	On-Peak 14.72¢ per kWh Off-Peak 7.84¢ per kWh
Demand Charge:	\$10.40 per kW

Eco-Steady Commercial Demand/General Secondary Service (Optional Rate “ESD”), cont.

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Determination of Off-Peak and On Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 11 am to 6 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department’s Power Service Cost Recovery.

Minimum Charge:

The customer charge included in the rate.

Due Date:

The due date of the customer’s bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Michigan Sales Tax:

This tax shall be added to all bills, including minimum, where applicable.

Billing Demand:

The billing demand shall be the peak kilowatts (kW) supplied during the month, but not less than the 5 kW.

Eco-Steady Commercial Demand/General Secondary Service (Optional Rate “ESD”), cont.

Adjustment of Power Factor:

When the average power factor during the billing month is less than 80% lagging, the Department reserves the right to increase the capacity charge for such billing month in the ratio that 80% bears to such power factor. The Department may, at its option, determine the power factor by test or by permanently installed measuring equipment.

Time of Use Rate
ECO-CHAMPION PRIMARY SERVICE-HIGH LOAD FACTOR

(Rate "ECI")

Availability:

Open to any customer desiring primary voltage service for general use where the billing demand is 100 kW or more. This rate is not available for street lighting service or for resale purposes.

Nature of Service:

Alternating current, 60 hertz, single phase or three phase, the particular nature of the voltage in each case to be determined by the Department.

Where service is supplied at a nominal voltage of 15,000 volts or less, the customer shall furnish, install and maintain all necessary transforming, controlling and protective equipment.

All customers must purchase and retain ownership of all necessary transforming, controlling and protective equipment, and, install and maintain this equipment at their expense. The customer is responsible for all costs and liability associated with the transforming, controlling and protective equipment.

Monthly Rate:

Non Phase In

Customer Charge:	\$325.00 per month, plus
Energy Charge - Winter:	On-Peak 9.68¢ per kWh Off-Peak 4.28¢ per kWh
Energy Charge – Summer:	On-Peak 24.88¢ per kWh Off-Peak 7.46¢ per kWh
Demand Charge:	\$8.18 per kW

Phase In

Customer Charge:	\$325.00 per month, plus
Energy Charge - Winter:	On-Peak 8.79¢ per kWh Off-Peak 4.99¢ per kWh
Energy Charge – Summer:	On-Peak 16.88¢ per kWh Off-Peak 6.68¢ per kWh
Demand Charge:	\$11.00 per kW

Eco-Champion Primary Service High Load Factor (Rate “ECI”), cont.

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Determination of Off-Peak and On Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 1 pm to 5 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department’s Power Service Cost Recovery.

Minimum Charge:

The customer charge included in the rate.

Due Date:

The due date of the customer’s bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Demand:

The demand charge shall be maximum kW used during the billing month.

Eco-Champion Primary Service High Load Factor (Rate “ECI”), cont.

Adjustment for Power Factor:

This rate requires a determination of the average power factor maintained by the customer during the billing period. Such average power factor will be determined through metering of lagging kilovar hours and kilowatt hours during the billing period. The calculated ratio of lagging kilovar hours to kilowatt hours will then be converted to the average power factor for the billing period by using the appropriate conversion factor. Whenever the average power factor during the billing period is above 0.899 or below 0.800, the capacity charge will be adjusted as follows:

If the average power factor during the billing period is 0.900 or higher, the capacity charge will be reduced by 2%. This credit shall not in any case be used to reduce the prescribed minimum charge.

If the average power factor during the billing period is less than 0.800, the capacity charge will be increased by the ratio that 0.800 bears to the customer’s average power factor during the billing period.

Time of Use Rate
ECO-STEADY PRIMARY SERVICE-HIGH LOAD FACTOR

(Rate "ESI")

Availability:

Open to any customer desiring primary voltage service for general use where the billing demand is 100 kW or more. This rate is not available for street lighting service or for resale purposes.

Nature of Service:

Alternating current, 60 hertz, single phase or three phase, the particular nature of the voltage in each case to be determined by the Department.

Where service is supplied at a nominal voltage of 15,000 volts or less, the customer shall furnish, install and maintain all necessary transforming, controlling and protective equipment.

All customers must purchase and retain ownership of all necessary transforming, controlling and protective equipment, and, install and maintain this equipment at their expense. The customer is responsible for all costs and liability associated with the transforming, controlling and protective equipment.

Monthly Rate:

Non Phase In

Customer Charge:	\$325.00 per month, plus
Energy Charge - Winter:	On-Peak 9.67¢ per kWh Off-Peak 4.27¢ per kWh
Energy Charge – Summer:	On-Peak 18.63¢ per kWh Off-Peak 7.03¢ per kWh
Demand Charge:	\$8.18 per kW

Phase In

Customer Charge:	\$325.00 per month, plus
Energy Charge - Winter:	On-Peak 9.00¢ per kWh Off-Peak 5.00¢ per kWh
Energy Charge – Summer:	On-Peak 14.04¢ per kWh Off-Peak 6.55¢ per kWh
Demand Charge:	\$11.00 per kW

Eco-Steady Primary Service High Load Factor (Rate “ESI”), cont.

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Determination of Off-Peak and On Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 11 am to 6 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department’s Power Service Cost Recovery.

Minimum Charge:

The customer charge included in the rate.

Due Date:

The due date of the customer’s bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Demand:

The demand charge shall be maximum kW used during the billing month.

Eco-Steady Primary Service High Load Factor (Rate “ESF”), cont.

Adjustment for Power Factor:

This rate requires a determination of the average power factor maintained by the customer during the billing period. Such average power factor will be determined through metering of lagging kilovar hours and kilowatt hours during the billing period. The calculated ratio of lagging kilovar hours to kilowatt hours will then be converted to the average power factor for the billing period by using the appropriate conversion factor. Whenever the average power factor during the billing period is above 0.899 or below 0.800, the capacity charge will be adjusted as follows:

If the average power factor during the billing period is 0.900 or higher, the capacity charge will be reduced by 2%. This credit shall not in any case be used to reduce the prescribed minimum charge.

If the average power factor during the billing period is less than 0.800, the capacity charge will be increased by the ratio that 0.800 bears to the customer’s average power factor during the billing period.

Time of Use Rate
METAL MELTING RATE

(Rate "MMT")

Availability:

Open to any customer who provides metal melting and heat treating services and is desiring primary voltage service for general use where the billing demand is 500 kW or more. This rate is not available for street lighting service or for resale purposes..

Nature of Service:

Alternating current, 60 hertz, single phase or three phase, the particular nature of the voltage in each case to be determined by the Department.

Where service is supplied at a nominal voltage of 15,000 volts or less, the customer shall furnish, install and maintain all necessary transforming, controlling and protective equipment.

All customers must purchase and retain ownership of all necessary transforming, controlling and protective equipment, and, install and maintain this equipment at their expense. The customer is responsible for all costs and liability associated with the transforming, controlling and protective equipment.

Monthly Rate:

Energy Charge - Winter:	On-Peak 5.434¢ per kWh Off-Peak 3.970¢ per kWh
Energy Charge – Summer:	On-Peak 13.277¢ per kWh Off-Peak 6.910¢ per kWh
Demand Distribution Charge:	\$8.18 per kW
Capacity Demand Charge:	On-Peak \$6.50 per kW

Determination of Seasonal Periods:

Summer period shall mean June, July, August and September billing months. Winter period shall mean January, February, March, April, May, October, November and December billing months.

Determination of Off-Peak and On Peak Periods:

Summer Period: **On-Peak** hours for each day shall, for the purpose of this rate schedule, be from 1 pm to 5 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Winter Period: **On-Peak** hours for each day shall, for this purpose of this rate schedule, be from 8 am to 8 pm except for Saturdays, Sundays and the weekdays that are observed as Federal holidays. All other hours of the day shall be considered **Off-Peak**.

Power Service Cost Recovery:

This rate is subject to the Department's Power Service Cost Recovery.

Minimum Charge:

The customer charge included in the rate.

Due Date:

The due date of the customer's bill will be shown on the bill and will be at least twenty-five (25) days. Payments received after the due date are considered late, and a penalty charge of 2% shall be imposed as a one-time charge.

Demand:

The distribution demand charge shall be maximum kW used during the billing month for the distribution demand and the capacity demand shall be the the maximum kW used during the onpeak period.

Adjustment for Power Factor:

This rate requires a determination of the average power factor maintained by the customer during the billing period. Such average power factor will be determined through metering of lagging kilovar hours and kilowatt hours during the billing period. The calculated ratio of lagging kilovar hours to kilowatt hours will then be converted to the average power factor for the billing period by using the appropriate conversion factor. Whenever the average power factor during the billing period is above 0.899 or below 0.800, the capacity charge will be adjusted as follows:

If the average power factor during the billing period is 0.900 or higher, the capacity charge will be reduced by 2%. This credit shall not in any case be used to reduce the prescribed minimum charge.

If the average power factor during the billing period is less than 0.800, the capacity charge will be increased by the ratio that 0.800 bears to the customer's average power factor during the billing period.

NET BILLING – RIDER RATE

(Rate "NB")

Availability:

This Rider can be attached to any Eco-Champion tariff rate.

Nature of Service:

A distribution generation customer that has one or more Clean Energy System or Energy Storage System and is owned and located on the customer's premise and are metered at a single point of contact.

Inflow – the metered delivery of capacity (kW) and energy (kWh) by Traverse City Light and Power to the customer during the billing month.

Outflow – the metered delivery of capacity (kW) and energy (kWh) by the customer's Clean Energy System or Energy Storage System not used on the site and exported to Traverse City Light and Power during the billing month.

Clean Energy System – a resource that is defined in the State of Michigan's energy legislation that can be used to meet State clean energy requirements set forth in the legislation at time of installation.

Please refer to Traverse City Light and Power's Rules and Regulations for additional information.

Customer Eligibility:

In order to be eligible to participate in the Distributed Generation Program, customers must generate a portion or all of their own retail electricity requirements with a Clean Energy System or Energy Storage System.

A customer's eligibility to participate in the Distributed Generation Program is conditioned on the full satisfaction of any payment term or condition imposed on the customer by existing contracts or tariffs, including those imposed by participation in the Distributed Generation Program, or Traverse City Light and Power's Rules and Regulations.

Monthly Rate:

Summer On Peak:	22.702¢
Summer Off Peak:	6.533¢
Winter On Peak:	8.597¢
Winter Off Peak:	3.582¢

ENERGY OPTIMIZATION SURCHARGE

(Rate "EO")

TCLP Board authorizing implementing the Energy Optimization Surcharge for electric customers in (“EO”) accordance with the Clean Renewable and Energy Efficiency Act, PA 295 of 2008. The EO will be used to fund energy efficiency and efficient electrification programs for TCLP Electric customers. The EO for all residential customers is \$.0038/kWh. The EO for all metered commercial and industrial customers is a per meter, per month charge which is based on the total monthly energy consumption by rate as shown in the table below.

Monthly Consumption	Customers without Self Directed Plans Energy Optimization Surcharge	Customers with Self Directed Plans Energy Optimization Surcharge
0-2,000 kWh	\$2.73 per meter/per month	\$.32 per meter/per month
2,001-5,000 kWh	\$9.56 per meter/per month	\$1.12 per meter/per month
5,001-10,000 kWh	\$20.49 per meter/per month	\$2.40 per meter/per month
10,001-30,000 kWh	\$54.64 per meter/per month	\$6.40 per meter/per month
30,001-50,000 kWh	\$109.28 per meter/per month	\$12.81 per meter/per month
50,001-75,000 kWh	\$170.75 per meter/per month	\$20.01 per meter/per month
75,001-100,000 kWh	\$239.05 per meter/per month	\$28.02 per meter/per month
100,001-150,000 kWh	\$341.50 per meter/per month	\$40.02 per meter/per month
150,001-250,000 kWh	\$546.40 per meter/per month	\$64.04 per meter/per month
250,000 + kWh	\$819.60 per meter/per month	\$96.06 per meter/per month