

CITY OF LOGAN, UTAH

RESOLUTION NO. 24-16

A RESOLUTION ADOPTING REVISED LOGAN LIGHT AND POWER RESIDENTIAL, COMMERCIAL AND INDUSTRIAL ELECTRICAL RATE SCHEDULES

WHEREAS, Logan City Light and Power Department has the need to revise its electrical rates according to the cost of service and other factors;

WHEREAS, the cost to purchase power for Logan City to supply its customers has increased dramatically over the recent years; and

WHEREAS, the Logan City Light and Power Department completed a cost of service study which recommended a two percent (2%) increase in power rates in order to sustain the financial health of Light and Power Department fund.

NOW THEREFORE, BE IT RESOLVED BY THE LOGAN MUNICIPAL COUNCIL that the attached Logan City Light and Power Rates and Fee Schedules in Addendum 1 be adopted and effective immediately. These new rates will be implemented on the next billing cycle after the passage of this resolution.

THIS RESOLUTION duly adopted this _____ day of May, 2024, by the following vote:

Ayes:

Nays:

Absent:

Amy Z. Anderson, Chair

ATTEST:

Teresa Harris, City Recorder

Addendum 1

**CITY OF LOGAN LIGHT & POWER
RATE SCHEDULE #1
RESIDENTIAL SERVICE**

AVAILABILITY:

At any point on the City's interconnected system where there are facilities of adequate capacity.

APPLICATION:

This schedule is for alternating current electric service at approximately 120 or 240 volts through one Kilowatt-hour meter at a single point of delivery for all service required on the premises for residential purposes.

When a portion of a dwelling is used regularly for business, professional or other gainful purposes, the premises will be classified as non-residential, and the appropriate schedule applied. However, if the wiring is so arranged that the service for residential purposes can be metered separately this schedule will be applied to such service.

The customer shall adhere to all service and billing requirements including the installation of approved metering equipment as per Logan City Electric Service Requirements.

PER METER SERVICE CHARGE:

~~\$6-508.00~~ per monthly billing cycle per meter.

ENERGY RATE:

\$0.1100 per kWh for the first 400 kWh
\$0.1250 per kWh for the next 600 kWh
\$0.1371 per kWh for all additional kWh

SEASONAL SERVICE:

This schedule is not available as a seasonal service.

SERVICE CHARGES:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

CONNECTION FEE:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically. Should any of the foregoing occur, the minimum billing demands that would otherwise be applicable under this Schedule shall be waived and Customer will have no liability for service charges until such time as Customer is reasonably able to resume service.

RESIDENTIAL COMMUNITY SOLAR RATE SCHEDULE 1A

AVAILABILITY:

At any point on the City's interconnected system where there are facilities of adequate capacity, and where there are available shares at Logan City Light and Power's community photovoltaic installation.

APPLICATION:

This schedule is for alternating current electric service at approximately 120 or 240 volts through one Kilowatt-hour meter at a single point of delivery for all service required on the premises for residential purposes.

When a portion of a dwelling is used regularly for business, professional or other gainful purposes, the premises will be classified as non-residential and the appropriate schedule applied. However, if the wiring is so arranged that the service for residential purposes can be metered separately this schedule will be applied to such service.

The customer shall adhere to all service and billing requirements including the installation of approved metering equipment as per Logan City Electric Service Requirements.

PER METER SERVICE CHARGE:

| ~~\$6.508.00~~ per monthly billing cycle per meter.

ENERGY RATE:

\$0.1200 per kWh for the first 100 kWh (solar share portion)

\$0.1100 per kWh for the next 300 kWh

\$0.1250 per kWh for the next 600 kWh

\$0.1371 per kWh for all additional kWh

SEASONAL SERVICE:

This schedule is not available as a seasonal service.

SERVICE CHARGES:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

CONNECTION FEE:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

SOLAR SHARE RATE:

The solar rate portion is fixed until the date of July 1, 2035. At this time the solar rate portion will be re-evaluated. If the holder of this share moves outside of Logan City Light & Power service area or no longer wishes to participate in this rate, this share will return to Logan City.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically. Should any of the foregoing occur, the minimum billing demands that would otherwise be applicable under this Schedule shall be waived and Customer will have no liability for service charges until such time as Customer is reasonably able to resume service.

LOGAN CITY LIGHT AND POWER DEPARTMENT SOLAR SHARES RATE 1A POLICY

APPLICABILITY

This policy sets forth requirements for the Solar Share Rate 1A. This rate is available to residential customers only, within the Logan City electric distribution systems. The Solar Share Rate 1A is available on a first-come, first-served basis to customers. This rate is intended for the following customers:

- a. Residential customers whose location may not be optimal for a photovoltaic installation (PV or solar installation).
- b. Residential customers who cannot or do not want to purchase and install a private photovoltaic system for their location.
- c. To allow rental customers to participate in using solar power.

Definitions

“City” means Logan City Light and Power Department (LCL&P).

“Customer” means a Logan City Light and Power customer who holds one of the available solar shares.

“Solar Share” means a 100kWh block of power whose output is understood to be generated from the PV installation (solar panels and their associated equipment). There are a limited number of this output and the associated Solar Shares.

Application

The number of Solar Shares will depend on the size of the City’s installed PV installation. The number of shares may change if the City installs more panels to the array.

These Solar Shares will be offered on a first-come, first-served basis. This list will be collected on the website at www.logancity.org under the Light and Power Department’s section.

If Solar Shares become available by expanding the City’s installation, by customers who currently hold Solar Shares who move out of the City’s service area or by customers who no longer wish to participate in the Solar Share Rate, the Solar Share Rate will be offered to the next customer on the “first-come, first-served” list that will be on the City’s website.

Logan City will cover all costs of purchasing and maintaining the PV equipment and its associated systems.

**CITY OF LOGAN LIGHT & POWER
RATE SCHEDULE #2
GEOTHERMAL, GROUND-SOURCE, OR GEO-EXCHANGE HEATING & COOLING**

APPLICATION FOR SPACE HEATING AND COOLING:

This rate is for permanently-installed geothermal, ground-source, or geo-exchange heat pump systems used for both heating and cooling conditioned space in residences that do not utilize any electric thermal resistive elements.

The geothermal, ground-source, or geo-exchange heat pump system shall be the only source of space heating & cooling for the residence. The applicant must agree to a home inspection of the heat pump system by the city, or by the city's agent, to qualify for this reduced rate schedule.

Customers who qualify for this rate schedule are subject to all of the same provisions, requirements, obligations, fees, minimum charges, and regulations as annotated in Logan City's Electric Service Rate Schedule #1 "Residential Service", except qualified customers under this rate schedule shall have a "flat" energy rate charged throughout the entire month with a 10% discount below the minimum tier as designated in the current applicable Rate Schedule #1.

Logan City Light & Power Operational Provisions Rate Schedule 2

- ~~1. Authorizes implementation of a Residential Rate Schedule #2 for qualifying residential customers who use geothermal, ground source, or geo-exchange heat pump systems for their home's entire heating and cooling needs. This rate will encompass all of the provisions, requirements, and service fees as detailed in Residential Rate Schedule #1, except that the Energy Rate charged will be flat and fixed at 10% below the posted price of the first block rate on Logan City's Rate Schedule #1 (Residential Service) and will not increase with greater electrical consumption as compared to Rate Schedule #1. Note, this discounted rate is intended to provide an incentive for customers willing to invest in geothermal, ground source, or geo-exchange heating and cooling systems which are four or five times more efficient than conventional HVAC systems. See proposed Rate Schedule #2 as attached Addendum #2.~~
- ~~2. Authorizes the Meter Department to charge kW demand for commercial and industrial customers based upon the increased accuracy of Logan City's new electronic meters where the actual true kW demand can be identified for each month's billing period based upon a sliding 15 minute interval, rather than a fixed 15 minute interval as was used by the old mechanical style of meters.~~
- ~~3. Authorizes that henceforth, a minimum of 1% of each year's fiscal electric rate revenue budget, shall be allocated and applied to investments in the City's energy conservation programs, demand-side management programs, and procurement of renewable energy resources that are identified to be economically viable having a benefit-cost ratio of 1.0 or greater. In general, the 1% funding level shall be evenly split between conservation programs and renewable energy projects, although the exact funding ratios may be occasionally reapportioned or adjusted to target and take advantage of the best economically viable opportunities, as they may become available, to further promote Logan's energy independence from fossil-fueled power resources. However, any such reapportionments or adjustments shall be recommended and approved by both RECAB and the Logan City Power Director prior to authorizing the reallocation.~~
- ~~4. Authorizes implementation of a single year-around rate structure for all commercial and industrial customers as presently exists for residential customers, in lieu of the existing seasonal price changes that have created billing errors and re-programming problems every six months in the past due to the tedious manual processes required to change prices in the utility billing software for commercial and industrial customers.~~

CITY OF LOGAN LIGHT & POWER DEPARTMENT

**RATE SCHEDULE #3
AREA LIGHTING SERVICE**

AVAILABILITY:

At any electric customer's property at points agreed upon by both customer and the City of Logan Light & Power Department and based upon the terms and policies listed below.

APPLICATION:

This schedule is for single phase alternating current Area Lighting electric service at approximately 120 or 240 volts at an approved point of delivery for lighting service required on the premises for commercial and residential purposes only.

The City will install and maintain area lighting on the customer's property for a monthly charge providing that the customer requesting such service guarantees at least one (1) year of use.

MONTHLY BILL:

The monthly charge will be \$~~14.45~~14.74 for each light furnished.

SEASONAL SERVICE:

This service is not available as a seasonal service.

SERVICE CHARGES:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically. Should any of the foregoing occur, the minimum billing demands that would otherwise be applicable under this Schedule shall be waived and Customer will have no liability for service charges until such time as Customer is reasonably able to resume service.

**CITY OF LOGAN LIGHT & POWER DEPARTMENT
RATE SCHEDULE #4
ELECTRIC VEHICLE CHARGING STATION**

AVAILABILITY:

At any point on the City's interconnected system where the City installs and operates an electric vehicle charging station that is open and available to the public.

APPLICATION:

This schedule is for charging customers who park at and utilize any electric vehicle charging station owned and operated by Logan City Corporation.

The customer shall adhere to all service and billing requirements.

PER METER SERVICE CHARGE:

Not applicable at present

Connection Fee:

\$1.00

ENERGY RATE:

1st Hour: Free

Next Four (4) Hours: \$1.00/hour

All additional Hours: \$3.00/hour

SEASONAL SERVICE:

This schedule is not available as a seasonal service.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically. Should any of the foregoing occur, the minimum billing demands that would otherwise be applicable under this Schedule shall be waived and Customer will have no liability for service charges until such time as Customer is reasonably able to resume service.

**CITY OF LOGAN LIGHT & POWER DEPARTMENT
RATE SCHEDULE #5
TEMPORARY / SEASONAL SERVICE**

AVAILABILITY:

At any point on the City's interconnected system where there are facilities of adequate capacity.

APPLICATION:

This schedule is for single phase alternating current electric service at approximately 120 or 240 volts through one Kilowatt-hour meter at a single point of delivery for temporary service required on the premises for construction purposes only. All temporary service units are to meet all current National Electric Code requirements including the use of G.F.I. circuit breakers. Any units found, at time of application or during the course of service use, to be defective or in violation of NEC and city requirements will be disconnected promptly until which time that necessary corrections are made. When City Temporary Service units are provided, the customer is responsible for any costs incurred to said units due to alterations, damage or misuse.

INSTALLATION CHARGE:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

PER METER SERVICE CHARGE:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

MONTHLY BILL:

~~\$0.10700~~ 0.1299 per kWh for all kWh's

If the temporary or seasonal service exceeds 200 amps, or is a three phase service, appropriate commercial demand charges will be applied. See Rate Schedule 6 for rates.

SEASONAL SERVICE:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

SERVICE CHARGES:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

CONNECTION FEE:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically. Should any of the foregoing occur, the minimum billing demands that would otherwise be applicable under this Schedule shall be waived and Customer will have no liability for service charges until such time as Customer is reasonably able to resume service.

CITY OF LOGAN LIGHT & POWER
RATE SCHEDULE #6
GENERAL SERVICE – DISTRIBUTION VOLTAGE

AVAILABILITY:

At any point on the City's interconnected system where there are facilities of adequate capacity.

APPLICATION:

This schedule is for alternating current, single, or three-phase electric service supplied at the City's available voltage through one kilowatt-hour meter at a single point of delivery for all service required on the premises, except by written permission of the Director of the Light & Power Department, or his assigned representative. All meters will be of the Demand Register type unless determined by City Electric Meter Department to be otherwise.

The customer shall adhere to all service and billing requirements including the installation of approved metering equipment as per Logan City Electric Service Requirements.

PER METER SERVICE CHARGE:

~~\$12.50~~15.00 for single phase service per meter

~~\$17.50~~20.00 for three phase service per meter.

DEMAND RATE:

\$0.00 per kW for the first 5 kW

\$11.00 per kW for all additional kW

ENERGY RATE:

~~\$0.12~~0.1220 per kWh for the first 1,500 kWh

~~\$0.07~~0.0729 per kWh for all additional kWh

POWER FACTOR:

The Power Factor adjustment applies only to customers with three phase service and loads that exceed 200kW for three (3) consecutive months. This rate adjustment will be based on the Customer maintaining at all times a power factor between 95% lagging and 95% leading, or higher, as determined by measurement. If the Power Factor at the time of the monthly peak demand is found to be less than 95% lagging or leading, the monthly kilowatt demand, as recorded by the City's meter, will be increased by 3/4 of 1% for every 1% that the Power Factor is less than 95%.

These criteria will be reviewed annually or when requested by the customer.

DEMAND:

The Kilowatt Demand is based on 15-minute period of Customer's greatest use during the month determined to the nearest kW.

SEASONAL SERVICE:

Customers with annually recurring periods of seasonal use, where service is discontinued during part of a year may be contracted under this schedule. Seasonal Service will be determined by actual monthly energy and demand charges.

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to connection fees, service charges and re-read fees.

SERVICE CHARGES:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

CONNECTION FEE:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically. Should any of the foregoing occur, the minimum billing demands that would otherwise be applicable under this Schedule shall be waived and Customer will have no liability for service charges until such time as Customer is reasonably able to resume service.

**CITY OF LOGAN LIGHT & POWER
RATE SCHEDULE #7
HIGH VOLUME INDUSTRIAL SERVICE**

AVAILABILITY:

This service is available to customers who have a high volume power demand of an industrial nature through one or more points of delivery. Power will be delivered at any point on the City's interconnected system where there are facilities of adequate capacity. If an extension of the existing lines and additional equipment will be required, the Customer will be responsible for such line extension costs, easements and/or Right of Ways and any additional equipment costs.

APPLICATION:

This schedule is for alternating current, three-phase electric service supplied at 2400 volts or less. The load of multiple meters will be coincidized into one billing unit of demand and energy and billed as one load. The customers total coincidized load must be one megawatt or greater at least 7 months of the previous 12 months, through multiple points of delivery for all service required on the premises. Each meter that is coincidized into the total load must have at least 200 kilowatts of monthly 15-minute peak demand for at least 7 months of the previous 12 months in order to maintain this rate schedule. A new customer will be eligible for this rate at the time they meet the total load of one megawatt and the individual 200 kilowatt per meter load requirements above.

The customer must have at least a 50 percent monthly coincidized load factor. The customer must also maintain a 95 percent power factor leading or lagging at the time of the monthly coincidized peak kW or be subject to power factor penalties as described below.

The Customer shall adhere to all service and billing requirements including the installation of approved metering equipment as per Logan City Electric Service Requirements.

MONTHLY BILLING RATES:

DEMAND AND ENERGY CHARGES:

Demand Rate: \$16.86 per kW for all kW

Energy Rate: ~~\$0.06030~~ 0.0623 per kWh for all kWh's

DEMAND:

The billing demand is based on the highest 15-minute average kilowatt demand for the billing period. Where more than one meter is coincided into the total aggregate load, the demand will be based on the total coincided 15-minute demand.

ENERGY:

The Customer will be billed for electric energy in kilowatt-hours delivered by the City to the Customer during the billing period, as shown by or computed from the readings of the City's energy meters. For customers with more than one meter, the sum of the kilowatt hours for each meter shall be used to determine the total kilowatt-hours used.

POWER FACTOR:

This rate will be based on the Customer maintaining at all times a power factor between 95% lagging and 95% leading, or higher, as determined by measurement. If the Power Factor at the time of the monthly peak demand is found to be less than 95% lagging or leading, the monthly kilowatt demand, as recorded by the City's meter, will be increased by $\frac{3}{4}$ of 1% for every 1% that the Power Factor is less than 95%.

METERING REQUIREMENTS:

Metering for this type of service will require an electronic meter capable of measuring 15-minute demand intervals, 15-minute energy usage, monthly totals, and previous months totals for several quantities, including but not limited to, kilowatts, kilovars and kilowatt-hours. The exact type of meter will be determined by the Logan City Light and Power Department. All meters served under this rate will require appropriate remote telephone line access supplied by, paid for, and maintained by the Customer. The line or lines must be made available to Logan City Light and Power for meter reading and monitoring prior to being served under this rate schedule and during the term of service under this rate schedule.

CONTRACT TERM:

This rate is for customers with permanent operations and installations. Seasonal service is not available under this rate.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically. Should any of the foregoing occur, the minimum billing demands that would otherwise be applicable under this Schedule shall be waived and Customer will have no liability for service charges until such time as Customer is reasonably able to resume service.

CONNECTION FEE:

Refer to the current Logan City Light and Power Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees.

**CITY OF LOGAN LIGHT & POWER DEPARTMENT
RATE SCHEDULE #8**

**HIGH VOLTAGE SUPPLEMENTAL SERVICE
FOR CUSTOMERS WITH CRSP ALLOCATIONS**

AVAILABILITY:

This service is available to Customers with a contract with United States Department of Energy's Western Area Power Administration (Western) for an allocation of Colorado River Storage Project Power (CRSP), provided that such allocation represents no more than 15 percent of the Customer's annual power requirements, and who obtain part of their usual or regular electric power requirements from self-generation, and who require Supplemental and Back-up or Maintenance Power. Supplemental, Back-up and Maintenance power will be delivered at any point on the City's interconnected system where there are facilities of adequate capacity. If an extension of the existing 46 kV lines and additional equipment will be required, the Customer will be responsible for such line extension costs, easements and additional equipment costs.

Customers receiving service under this schedule will be required to enter into an electric power purchase agreement and an interconnection agreement with the City.

APPLICATION:

This schedule is for alternating current, three-phase electric service supplied at approximately 46,000 volts and for supplemental power of 5 megawatts or greater, through up to two (2) points of delivery for all service required on the premises.

The Customer shall adhere to all service and billing requirements including the installation of approved metering equipment as per Logan City Electric Service Requirements.

MONTHLY BILL:

CUSTOMER SERVICE CHARGE: \$326.00 per month.

MINIMUM BILLING: The monthly Customer Service Charges plus appropriate demand and energy charges.

DEMAND CHARGES:

WESTERN DELIVERY RATE: \$2.39 per kW for all kW of Customer's CRSP Demand, adjusted for losses to Customer's point of delivery on the City's interconnected 46 kV transmission system.

SUPPLEMENTAL RATE: \$13.93 per kW for all kW of Demand up to Customer's Supplemental Contract Demand.

**CITY OF LOGAN LIGHT & POWER DEPARTMENT
RATE SCHEDULE #8**

BACK-UP FACILITIES RATE: \$3.97 per kW for all kW of Customer's Back-up Contract Demand.

BACK-UP POWER RATE: \$0.38 per kW Day for the sum of all daily kW of Demand in excess of Customer's Supplemental Contract Demand, but not to exceed Customer's Back-up Contract Demand.

MAINTENANCE POWER RATE: One Half of the Back-up Power Rate for the sum of all daily kW of Back-up Demand during Scheduled Maintenance.

EXCESS DEMAND RATE: \$27.86 per kW for all kW in excess of the sum of Customer's Supplemental Contract Demand and Back-up Contract Demand.

Exported Power Rate: \$0.75 per kW for all exported kW

ENERGY CHARGES:

SUPPLEMENTARY AND BACK-UP ENERGY RATE: \$~~0.055200~~0.05730 per kWh for all kWh's.

Note: The specific rate will apply according to the month the meter is read.

DEMAND:

The kilowatt demand for the Supplemental Rate is based on the maximum 15-minute period of Customer's greatest use during the month measured to the nearest kW, less the Customer's CRSP Demand, up to the Customer's Supplemental Contract Demand. In the event the Customer reduces or ceases operation or receipt of service for periods of one month or longer, the Customer's Demand for the Supplemental Rate will be at least 65% of the maximum Supplemental Rate demand as measured during the previous twelve months along with Customer Service charges through the balance of the Contract Term.

The Customer's CRSP Demand shall be the applicable Monthly Capacity (as defined in the Customer's contract with Western) that the Customer is entitled to receive and that is scheduled during a billing period pursuant to the Customer's contract with Western for Firm Electric Service, plus additional excess capacity that the Customer may purchase from Western and have scheduled; provided that the Customer shall not purchase such additional excess capacity if, after doing so, the Customer's total purchases of capacity from Western in any month would exceed 12% of the Customer's Supplemental and Back-Up Contract Demand purchased from the City; and further provided that the amount of such capacity shall be reduced by 0.4% to account for transformer and line losses on the City's electric system. In the event that Customer metering equipment is

installed on the secondary side of the Customer's equipment, appropriate additional losses will be applied to the CRSP Demand delivered to the Customer.

ENERGY:

The Customer will be billed for electric energy in kilowatt-hours delivered by the City to the Customer during the billing period, as shown by or computed from the readings of the City's energy meters, less the customer's CRSP Energy.

The Customer's CRSP Energy shall be the applicable Monthly Energy (as defined in the Customer's contract with Western) that the Customer is entitled to receive and that is scheduled during a billing period pursuant to the Customer's contract with Western for Firm Electric Service, plus additional surplus hydro energy that the Customer may purchase from Western and have scheduled; provided that the Customer shall not purchase such additional surplus hydro energy, if after doing so, the Customer's total purchases of energy from Western in any month would exceed 12% of the Customer's energy purchased from the City; and further provided that the amount of such energy shall be reduced by 0.4% to account for transformer and line losses on the City's electric system. In the event that Customer metering equipment is installed on the secondary side of the Customer's equipment, appropriate additional losses will be applied to the CRSP Energy delivered to the Customer.

POWER FACTOR:

This rate will be based on the Customer maintaining at all times a power factor between 95% lagging and 95% leading, or higher, as determined by measurement. If the Power Factor at the time of the monthly peak demand is found to be less than 95% lagging or leading, the monthly kilowatt demand, as recorded by the City's meter, will be increased by $\frac{3}{4}$ of 1% for every 1% that the Power Factor is less than 95%.

METERING REQUIREMENTS:

Metering for this type of service will require an electronic meter capable of measuring 15-minute demand intervals, hourly and 15-minute bi-directional energy usage, monthly totals, and previous months totals for several quantities, including but not limited to, kilowatts, kilovars, kilo-volt-amperes and kilowatt-hours of power supplied by the City and Customer's self-generation facilities. The exact type of meter will be determined by the Logan City Light and Power Department. All costs for the installation of metering equipment will be the responsibility of the Customer. All meters for service under this schedule will require remote telephone line access supplied by the Customer.

CONTRACT TERM:

Service under this Rate Schedule #8 is pursuant to a contract with the Customer that specifies various terms and conditions including the Customer's maximum CRSP Western allocation, Supplemental Contract Demand and Back-up Contract Demand. Seasonal service is not available under this rate.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically. Should any of the foregoing occur, the minimum billing demands that would otherwise be applicable under this Schedule shall be waived and Customer will have no liability for service charges until such time as Customer is reasonably able to resume service.

CONNECTION FEE:

Each time a Customer, eligible to receive electric service under this schedule, begins to receive electric service at a point of delivery not previously used, or at a point of delivery which has been used previously by another Customer, or each time a customer changes his point of delivery or reconnects after voluntary disconnection to the same point of delivery, that Customer shall be responsible for such costs of moving and purchasing the necessary equipment and fixtures required to make such connection.

COORDINATION OF CRSP POWER:

It is the responsibility of the Customer to have its CRSP power delivered to the City's interconnected electric system at the Logan City Green Canyon Substation, Substation 7 or to another point acceptable to the City. The Customer shall provide the City with approved monthly schedules for CRSP power on a seasonal basis, at the same time it provides such schedules to Western. In addition, the Customer shall promptly provide the City with copies of all electric schedules and billings between the Customer and Western.

The City shall be responsible for the hourly scheduling of the Customer's CRSP power and will arrange for hourly deliveries in the same manner and under the same constraints as may be imposed on hourly deliveries of the City's own allocation of CRSP power. The City shall deliver the Customer's CRSP power from the Green Canyon Substation and Substation 7, or other agreed upon point of delivery, to the Customer's 46 kV points of delivery.

**CITY OF LOGAN LIGHT & POWER
RATE SCHEDULE #10
DISTRIBUTED GENERATION ENERGY METERING**

AVAILABILITY:

At any point on the City's interconnected system where there are facilities of adequate capacity.

APPLICATION:

This schedule is for electric service applications for customers that have alternate renewable electric power generation on the customer side of the electric meter. This schedule is intended for customers that generate electric energy from renewable sources that they would otherwise purchase from the utility.

A customer's generating facility used for distributed energy generation metering shall be equipped with metering equipment that can measure the flow of electricity in both directions. The city will install a meter capable of measuring bi-directional energy flow. The cost to the customer for this meter is set forth in the Logan City Light and Power Electrical Fee Schedule. The customer shall also install a production meter that is capable of measuring the flow of produced energy coming from the distributed generation source. The cost to the customer for this meter is set forth in the Logan City Light and Power Electrical Fee Schedule.

The metering will normally be accomplished through use of a single bi-directional meter and the distributed generation production meter. At the customer's request and expense an additional meter may be installed for the customer's purposes. Other requirements are outlined in the Logan City Light and Power Distributed Energy Metering Policy.

The customer shall adhere to all service and billing requirements including the installation of approved metering equipment as per Logan City Electric Service Requirements and applicable City Codes.

ENERGY RATES AND PAYMENTS:

For energy purchased from the utility, residential customers will be charged the current Rate Schedule 1. Commercial customers will be charged under the applicable current Commercial Rate Schedule which they qualify for based on criteria in the electric rate schedules and connection fee schedules. All of the rate schedules may be changed from time to time.

Residential (Rate Schedule 1)

Excess production will be purchased back from the customer at the price listed in the schedule below. The purchase may show up as a credit on the City monthly utility bill.

~~The purchase schedule will begin at the weighted average retail rate. As the installed residential solar power in the City reaches certain installed solar capacity thresholds, the rate will be adjusted. Eventually the excess energy purchase price will equal the previous year's weighted wholesale average plus 1.5 cents.~~

Excess Energy Purchase Schedule:

- ~~Step 1: Up to 2500 kW installed: \$0.098 (weighted average retail rate)~~
- ~~Step 2: 2500 kW installed: Weighted average wholesale cost + \$0.035~~
- ~~Step 3: 3000 kW installed: Weighted average wholesale cost + \$0.025~~
- ~~Step 4: 3500+ kW installed: Weighted average wholesale cost + \$0.015~~

~~Step kW's are total installed residential kW's of solar within Logan City's service area. Step 1 will be adjusted for any future retail rate adjustments if necessary. Both the weighted average wholesale cost and installed solar capacity will be published and communicated to the public once every 12 months.~~

~~The excess energy purchase rate will be administratively evaluated and adjusted annually in July.~~

Residential Service (Rate Schedule 1 and 1A)

The excess energy purchase rate will equal the previous calendar year's weighted wholesale average plus 1.5 cents and will be administratively evaluated and adjusted annually in July.

General Service – Distribution Voltage (Rate Schedule 6)

The excess energy purchase rate will equal the previous year's weighted wholesale average plus 1.5 cents and will be administratively evaluated and adjusted annually in July.

High Volume Industrial Service (Rate Schedule 7)

The excess energy purchase rate will equal the previous year's weighted wholesale average plus 1.5 cents and will be administratively evaluated and adjusted annually in July.

SEASONAL SERVICE:

This schedule is not available as a seasonal service.

SERVICE CHARGES:

Refer to the current Logan City Light and Power Electrical Fees Schedule for current pricing information pertaining to fees, service charges. There will be no additional charges for distributed generation energy metered customers that would not be applied to any other equal customer.

CONNECTION FEE:

Refer to the current Logan City Light and Power Electrical Fees Schedule for current pricing information pertaining to fees, service charges and re-read fees. Additional requirements and options for this particular schedule are outlined in the Logan City Light and Power Distributed Generation Metering Policy.

FORCE MAJEURE:

Neither the City nor Customer shall be subject to any liability or damages due to the inability of the City to serve the Customer's load due to lack of available power and energy or other conditions beyond the City's control. In the event of natural disasters or acts of God such as earthquakes, floods, or severe storms, neither party shall be liable for damages due to lack of ability for operations which affect the other party economically or in any other way. Should any of the foregoing occur, no minimum billing fees shall be added to the customers' bill during the time the customer cannot accept service. Any applicable fees shall resume at the time the customer is able to accept service.

Logan City Light & Power Operational Provision

Authorizes that henceforth, a minimum of 1% of each year's fiscal electric rate revenue budget, shall be allocated and applied to investments in the City's energy conservation programs, demand-side management programs, and procurement of renewable energy resources that are identified to be economically viable having a benefit-cost ratio of 1.0 or greater. In general, the 1% funding level shall be evenly split between conservation programs and renewable energy projects, although the exact funding ratios may be occasionally reapportioned or adjusted to target and take advantage of the best economically viable opportunities, as they may become available, to further promote Logan's energy independence from fossil-fueled power resources. However, any such reapportionments or adjustments shall be recommended and approved by both RECAB and the Logan City Power Director prior to authorizing the reallocation.

DISTRIBUTED GENERATION METERING POLICY

Applicability

This policy sets forth requirements for the interconnection of customer [low capacity factor](#) distributed energy generating facilities [such as wind and solar](#) within Logan City electric distribution systems. The Distributed Generation Metering Program is available on a first-come, first-served basis to customers located within the City's current service territory who own and operate a solar, wind, hydro or biomass electric generator located on the customer's premises, with the following conditions:

- a. Intended to offset part or all of the customer's own average annual electrical requirements.
- ~~b. The capacity of the installation shall not exceed 10 kW for residential and 500 kW for commercial or industrial customers.~~
- ~~e.b.~~ _____ Interconnected with Logan City's electric system; and
- ~~d.c.~~ _____ Operates in parallel with Logan City's distribution system.

Capacity Limitations

- Rate Schedule 1 (Residential): 20kW.
- Rate Schedule 2 (Geothermal, Ground-Source): 20kW
- Rate Schedule 6 (Commercial): 1000kW.
- Rate Schedule 7 (Industrial): 2000kW.
- Rate Schedule 8 (USU): 3000kW may be installed.

Definitions

The following words and terms, when used in this policy, shall have the following meanings, unless the context clearly indicates otherwise.

"City" means the Logan City Light and Power Department (LCL&P).

"Customer" means a Logan City Light and Power customer that has distributed generation energy, on the customer's side of the meter and receives an electric utility bill from the City of Logan.

"Customer-generating facility" means the equipment used by a customer generator to generate, manage, and monitor electricity. A Customer-Generating Facility typically includes an electric generator and/or an equipment package, as defined herein.

"Vendor" means the seller and/or installer of the distributed generation equipment being sold and installed at the customer's facility"

"Distribution System" means that portion of an electric system which delivers electricity from transformation points on the transmission system to points of connection at a customer's premises.

"IEEE Standard" means the standards published by the Institute of Electrical and Electronic Engineers, available at www.ieee.org.

"Inverter" means a device that converts direct current power into alternating current power that is compatible with power generated or supplied by Logan City Light and Power.

"NEC" and "NESC" means the most current version of the National Electrical Code and National Electrical Safety Code respectively.

"Distributed Generation Metering" means a system of measuring and billing for the electricity supplied by Logan City Light and Power and the purchase of electricity generated by the customer by an eligible renewable energy system and fed onto the electric grid over the applicable billing period.

"Distributed Generation" means a system that generates electricity derived from the sun, wind, hydro or biomass and is located behind the customer's billing meter.

"UL Standard" means the standards published by the Underwriters Laboratory available at www.ul.com

"Weighted average wholesale cost" - means the average delivered cost of Logan City Light and Power's wholesale contracts and generation units plus transmission costs weighted by the amount of kilowatt-hours generated by each less transmission losses for the previous 12 month period.

Application

Logan City Light and Power (LCL&P) will offer Distributed Energy Generation Metering to their Customers that generate renewable energy on the Customer side of the meter, provided that they meet the specifications outlined herein and do not individually or in aggregate with existing installations exceed the safe capacity of the City's distribution system as a whole or individual distribution feeders in their local area.

When the customer's distributed generation delivers excess generated power to the City's electrical grid, the City will credit the Customer for the excess according to the rates set forth in the City's "Distributed Generation Energy Metering Rate, Schedule 10".

Special Conditions

A. Certification: A customer-generating facility and/or the related equipment must be certified as complying with the following standards, as applicable, prior to connecting to the City's distribution system:

- a. IEEE Standard 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems, as amended and supplemented.

- b. UL Standard 1741, Inverters, Converters, and Controllers for Use in
- c. Independent Power Systems, as amended and supplemented.
- d. An equipment package shall be considered certified for interconnected operation if all components have been submitted by a manufacturer to a nationally recognized testing and certification laboratory and has been tested and listed by the laboratory for continuous interactive operation with an electric distribution system in compliance with the applicable codes and standards listed above. The LCL&P Department has the right to approve or deny other renewable energy systems components on a case-by-case basis.
- e. All Vendor's shall be certified by Logan City Light and Power by attending a one-time mandatory Vendor Orientation Meeting. See Electrical Fee Schedule for costs.

B. Approval and Inspection

- a. Prior to Interconnection any Customer desiring a Distributed Generation Metering Agreement must make application with and receive approval by the LCL&P Department. The customer must complete a form with applicable information about the interconnection for accounting and safety purposes. All modifications or improvements required to Logan City's distribution system due to the customer - generating facility shall be paid for by the customer. This *may* require the customer to bring their current electrical service up to the standards required by Logan City Policy.
- b. After installation of the customer-generating facility and prior to production of energy, the system shall be inspected and approved by the Logan City Building Department and the LCL&P Department. The Customer must also obtain any necessary permits and pay all applicable fees.
- c. A bi-directional meter that is capable of measuring power flow in and out of the customers metering equipment shall be installed by the utility (See the Electrical Fees Schedule). The meter will be one that is compatible with standard meter bases required by any customer of equal size and type.
- ~~d. A production meter capable of measuring the energy produced from the distributed generation source shall be installed (See the Electrical Fees Schedule).~~
- e.d. The City shall have the right to inspect a customer-generating facility after interconnection approval is granted, at reasonable hours and with reasonable prior notice to the Customer. If the City discovers that the customer-generating facility is not in compliance with the requirements of this policy, and the noncompliance adversely affects the safety or reliability of the electric distribution

system, the City may require the Customer to disconnect the customer-generating facility until compliance is achieved.

C. Testing and Maintenance

Once a Distributed Generation Metering interconnection has been approved under this policy, the City may require a customer to test or perform maintenance on its facility as per the following:

- a. Maintenance or changes to the existing installation.
- b. Any manufacturer-recommended testing or maintenance; and any post-installation testing necessary to ensure compliance with IEEE 1547 or to ensure safety.

D. Disconnection and Metering

- a. The City shall have the right to disconnect the customer-generating facility in the event it causes system problems. The Customer will have the option of correcting the problem, at which time the system will be re-inspected before beginning operation again.
- b. The Customer shall be required to install a manual disconnect located within 10 feet of the meter. The disconnect shall be readily accessible by City authorized personnel and located outside any fencing.
- c. The Customer shall be required to meet all current applicable electrical codes (NEC, NESC) and the City's metering and disconnection requirements that may include but is not limited to the installation of a new meter base and panel and relocation of the electrical service.

E. Liability

- a. The Customer shall be responsible for any damage caused by the customer-generating facility to City's distribution system and/or neighboring services. The Customer shall be responsible for the installation and maintenance of applicable protection equipment, and for any damage caused by improper application, maintenance or faulty equipment. LCL&P shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a Distributed Generation Metering facility, or for the acts or omissions of the customer-generator that cause loss or injury, including death, to any third party.

Logan City Light and Power Electric Rate Surcharge

Purpose

The electric rate surcharge is intended to maintain our financial stability when unexpected events occur which increase energy costs that are outside the control of the Light and Power Department. The costs that are covered in this surcharge are energy costs for supplying electric power and energy to our customers. Costs that are not covered under this surcharge include all costs of operation that can be controlled within the department.

Examples of costs that are included are natural gas prices used for generation of electricity, purchases of electricity through UAMPS that have variability due to market conditions, catastrophic equipment failures of local generation facilities and the cost of other electricity used to supply our needs that has unexpected increases due to market pressures.

Examples of costs that are not to be included in the surcharge include capital construction costs for additions to the electric transmission and distribution system, labor costs, material costs for the maintenance of the system and any other system improvements which could be delayed by management.

Implementation

Each month before the billing cycle begins we will review our power supply costs and compare them to the approved budget. When an unexpected occurrence in energy markets causes the prices of our energy supply to increase we will calculate the impact of the increase. We will also attempt to change any variable power supply schedules to offset the increased costs. When the increased costs cannot be reasonably compensated for, we will implement this surcharge.

The surcharge will be implemented by comparing the total projected MWh's used by the system and the total cost of providing that energy. We will then divide the total cost by the total energy to obtain the total unit cost. The unit costs will be compared and the increased cost will be applied to all MWh's sold to all customers equally.

Example (illustrates surcharge for the year of 2006):

Projected Cost at Budget Development

July 2006 Budget

Total MWh's: 45,497 Total Cost: \$2,673,607 Unit Cost: \$58.76 / MWh

New Projection (1st week of July 2006)

Extreme Heat Wave with temperatures 10 degrees above normal causes prices to soar.

Total MWh's 48,785 Total Cost: \$2,975,885 Unit Cost \$61.00 / MWh
 Surcharge: \$61.00 /MWh less \$58.76 / MWh = \$2.24 / MWh

In this example a Surcharge of \$0.00224 / kWh (or \$2.24 / MWh) would be applied to all kWh's on all bills processed for the month of July 2006.

Reconciliation

For each month that a surcharge is implemented we will reconcile the projected surcharge that was applied to the actual costs of all energy purchased and generated. Most of the bills are received by the end of the following month. We will have all costs accounted for and be able to make any needed adjustments to the projected surcharge in the second month following the charge. For July the actual adjustments will be on the September bill for any discrepancies of projected versus actual costs. The differential between the projected costs and actual costs will be either credited or added to the surcharge for September. If no surcharge is needed for September but there is a credit or additional surcharge due from July, the July credit or addition will be applied to the September bill.

Example:

Jul-06	System MWh's	Total Cost	Difference	Unit Cost
Budget	45,497	\$2,673,607		\$58.76
Surcharge	48,785	\$2,975,885	\$302,278	\$61.00 \$2.24
Actual Costs	47,956	\$2,901,338 -\$74,547.00	-\$74,547	\$60.50 -\$0.50

This example assumes that we forecast a total cost of \$61.00 /MWH which equals a surcharge of \$2.24 / MWH (\$0.00224 per kWh). When the bills were received the actual costs came to \$60.50 / MWH. We would then apply a \$74,547 rebate to the September projected kWh's. In the following example the \$74,547 rebate would be applied to the projected MWh's for September which would equal a \$1.92 / MWh rebate.

Sep-06	
Projected MWh's	38,752
July Rebate	-\$74,547
Surcharge Rebate	-\$1.92

Fiscal Year 2006-07 Approved Budget
Monthly Budgeted Power Supply Costs

This table will be the basis of surcharge calculations for FY 2006-07.

2007 Projected Monthly Energy and Resouce			
2006-07	LOGAN KWH	Mnthly Cost	Unit cost
JUL	44,221,486	2,196,667	49.67
AUG	43,720,052	2,235,408	51.13
SEP	36,888,123	2,019,511	54.75
OCT	35,095,469	1,635,574	46.60
NOV	35,768,110	1,775,916	49.65
DEC	36,751,781	1,527,669	41.57
JAN	38,174,685	1,597,819	41.86
FEB	34,503,680	1,693,505	49.08
MAR	36,598,311	1,523,976	41.64
APR	34,012,384	1,592,024	46.81
MAY	37,041,025	1,590,000	42.93
JUN	36,888,123	1,591,639	43.15
TOTAL	449,663,229	20,979,707	46.66

Logan City Light and Power
Electrical Fee Schedule
(revised 7/16/22)

Single Phase Temporary/Seasonal Service

Single Phase-Installation	\$92
Temp Rental-Single Phase Only (per month)	\$16
Meter Set/Reconnect-single phase (Existing services only reg work hours 8am-4pm)	\$22
Any Additional Single Phase Costs	Calculated at Actual Cost

Three Phase Temporary Service

Transformer Rental and Installation (customer provides meterbase and sec wire)	\$3000
Installed Prim. Conductor (Conduit & Conduit Installation is Customer's Resp.)	\$18/linear foot
Temporary Power Poles (Rental and Installation)	\$1000/pole
Meter Set/Reconnect-three phase (Existing services only reg work hours 8am-4pm)	\$71
Any Additional Three Phase Costs	Calculated at Actual Cost

Reconnect/Disconnect

Service Pole-Cut Reconnect (Regular work hours, 8am-4pm)	\$109
Service Pole-Cut Reconnect (After work hours, 4pm-8am)	\$163
Service-Meter Reconnect/Disconnect (Regular work hours, 8am-4pm)	\$22
Service-Meter Reconnect/Disconnect (After work hours, 4pm-8am requiring in person)	\$71
Service-Meter Reconnect/Disconnect (After work hours, 4pm-8am remote conn/discon)	\$22

Meter Service

Meter Read	\$6
Meter Dispute-Second Re-Read	\$38

New Customer Service

Sign-in Residential	\$33
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Sign-in Commercial	\$54
Deposit – Residential	\$100
Deposit – Commercial	The greater of \$100 or 1 month estimated bill

Delinquent Notices

Door Hangers – charge each	\$11
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Meter Tampering

Repair (Labor, equipment, material, energy, demand, etc.)	Actual Cost
Seal Cutting	\$94

Connection (meter charges)

Single Residence Meter	\$147
Multi Family Residence Meter (120/208V)	\$192
Multi Family Residence Meter (120/240V)	\$147
Single Residence Distributed Generation Production Meter	\$147
Residential Multi Family per banked meter	\$435
Commercial Multi Meter per banked meter regular or bi-directional	\$435
Commercial Distributed Generation Production Meter	\$435

Service Re-Work Due to Developer's/Customer's Request

Labor and equipment rates as called in the Light and Power Hourly Rates

Distributed Generation Related

Mandatory Installer Orientation	\$50
Net Metering Application Fee (covers application, one site visit and final inspection)	\$150
Additional Site Visits	\$50

Other

NSF Fee per utilities account paid	\$20
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Single Phase Connection Fees

Service Size (amps)	Single phase installation (120/208/240V)*
0-200	\$3,131
201-400	\$7,322
401-600	\$15,218
601-800	\$16,392
801-1000	\$17,582

*This includes the first 150 feet of conductor. Conductor over 150' is an additional \$6.50 per foot.

3 Phase Electrical Connection Fees (120/208V or 277/480V)

This fee is the sum of the actual cost of the following: *

Transformer

Wire in cost per foot

Man hours and equipment hours (rates calculated using Light and Power Hourly rates for equipment and Personnel as found in this document.

3.5 hours for an installation crew consisting of:

-one Lineman foreman

-two Journeyman Linemen

Trailer 1 hour

Line Truck – 1 hour

Crew Pickup – 3.5 hours

Connection Installation kit: \$650

* Prices from the most recent ~~received~~ material order. Invoice can be produced if desired.

Example 3 Phase Connection Fee Calculation Sheet

3 Phase Electrical Connection Fee Calculation Sheet

	<u>Rate</u>		<u>Total</u>
Transformer Cost			_____
	<u>feet</u>		
Wire Cost (per foot)	_____	x	_____
<u>Item</u>	<u>Hours</u>		
Foreman	3.5	x	_____
Journeyman	3.5	x	_____
Journeyman	3.5	x	_____
Trailer	1	x	_____
Line Truck	1	x	_____
Crew Truck	3.5	x	_____
Connection Install Kit			\$650
Total Connection Fee			\$ _____

Light and Power Hourly Rates

Personnel	Hourly
Division Department Manager	\$95
Crew Foreman	\$91
Journeyman Lineman	\$75
Apprentice Lineman	\$59
Technical Operations Division Manager	\$9193
Substation Technician Foreman	\$92
Journeyman Substation Technician	\$77
Apprentice Substation Technician	\$60
Planner	\$65
Meterman	\$76
Equipment	
Line Truck	\$117
Vac Truck	\$117
Bucket Truck	\$104
Trouble Truck (small bucket truck)	\$65
Crew Pickup	\$32
Trailers	\$39
Backhoe	\$104
Wire Puller	\$52
Dump Truck	\$78