



## **Electric Rate Schedules**

### **Volume 3**

APPROVED OCTOBER 27, 2020  
RESOLUTION: 20-085

AVAILABLE  
IN THE TERRITORY SERVED BY  
THE CITY OF FOUNTAIN,  
COLORADO

CITY OF FOUNTAIN UTILITIES,  
CUSTOMER SERVICE  
101 NORTH MAIN STREET  
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## ELECTRIC RATES

### General

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Resolution No. 20-085**

**Effective Date: January 1, 2021**

Service under these Rate Schedules is subject to the provisions of the City Code, the Utility Code, the Fee Schedule adopted by City Council and the Regulations Governing Electric Service.



**ELECTRIC RATES**

**Residential Service**

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**A. AVAILABILITY**

Available in the electric service area of Fountain Utilities for general residential purposes.

Service to buildings appurtenant to the residence, including garages and other minor buildings for the use of the residents, may also be served through the residential meter. Service to a residence that is used in part for commercial purposes, but the predominant usage is for residential purposes, shall be served under this rate schedule.

Service under this rate schedule shall also be provided to multi-family dwelling units within a single structure and under one ownership provided that the predominant electric use is attributable to the primary dwelling unit.

**B. RATE**

The bills are the sum of:

**Effective January 1, 2021**

<b>Customer Charge</b> .....	\$0.49 / Customer / Day
<b>Delivery Charge</b> .....	\$0.030 / kWh
<b>Energy Charge</b> .....	\$0.068 / kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21

**Effective January 1, 2022**

<b>Customer Charge</b> .....	\$0.51 / Customer / Day
<b>Delivery Charge</b> .....	\$0.034 / kWh
<b>Energy Charge</b> .....	\$0.068 / kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21



**ELECTRIC RATES**

**Small Commercial Service**

**Issue Date: October 27, 2020**  
**Approval Reference / Date: October 27, 2020**  
**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**A. AVAILABILITY**

Available in the electric service area of Fountain Utilities for any establishment engaged in the operation of a business or an institution, whether or not for profit.

Commercial enterprises will include, but not be limited to, signs, phone booths, telemetering stations, clubs, lodges, hotels, motels, tourist and cottage-camps, schools, hospitals, churches, restaurants, gas stations, convenience stores, municipal, county, state and federal buildings, trailer parks and multi-family residences (duplexes, triplexes, other-plexes, condominiums, town houses and apartments), whose total electric use of the primary dwelling unit (the unit with the greatest electricity usage compared to the other dwelling units) is less than the combined total electric use of all the non-primary dwelling units.

Service to a residence which is used in part for commercial purposes and the predominant usage is for commercial purposes shall be served under this rate schedule.

This rate is not applicable to customers whose demand is 15 kW or greater, based on an annual evaluation to be completed in October of each year.

**B. RATE**

The bills are the sum of:

**Effective January 1, 2021**

<b>Customer Charge</b> .....	\$0.65 / Customer / Day
<b>Delivery Charge</b> .....	\$0.032 / kWh
<b>Energy Charge</b> .....	\$0.068 / kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21

**Effective January 1, 2022**

<b>Customer Charge</b> .....	\$0.68 / Customer / Day
<b>Delivery Charge</b> .....	\$0.036 / kWh
<b>Energy Charge</b> .....	\$0.068 / kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21



**ELECTRIC RATES**

**Commercial-Demand Service**

**Issue Date: October 27, 2020**  
**Approval Reference / Date: October 27, 2020**  
**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**A. AVAILABILITY**

Available in the electric service area of Fountain Utilities for any establishment engaged in the operation of a business or an institution, whether or not for profit.

Commercial enterprises will include, but not be limited to, clubs, lodges, hotels, motels, tourist and cottage-camps, schools, hospitals, churches, restaurants, gas stations, convenience stores, municipal, county, state and federal buildings, trailer parks and multi-family residences (duplexes, triplexes, other-plexes, condominiums, town houses and apartments), whose total electric use of the primary dwelling unit (the unit with the greatest electricity usage compared to the other dwelling units) is less than the combined total electric use of all the non-primary dwelling units.

This rate is applicable to customers whose peak demand is 15 kW or greater, and less than 75 kW, based on an evaluation completed annually in October. The evaluation of peak demand will be completed each year as described under B. Disqualification.

**B. DISQUALIFICATION**

In October of each year, Fountain Utilities will examine the monthly demand for customers for the previous twelve (12) billing periods. If the customer fails to establish a demand of 15 kW (exclusive of the power factor adjustment) in at least one (1) billing period or exceeds 75 kW in any of the preceding twelve (12) billing periods, the customer will be transferred to another rate schedule based on the customer’s revised demand characteristics.

**C. RATE**

The bills are the sum of:

**Effective January 1, 2021**

<b>Customer Charge</b> .....	\$3.12 / Customer / Day
<b>Billing Demand*</b> .....	\$0.346 / kW / Day
<b>Energy Charge</b> .....	\$0.061 / kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21



**ELECTRIC RATES**

**Commercial-Demand Service** (Cont'd)

**Issue Date: October 27, 2020**  
**Approval Reference / Date: October 27, 2020**  
**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**Effective January 1, 2022**

<b>Customer Charge</b> .....	\$3.24 / Customer / Day
<b>Billing Demand*</b> .....	\$0.387/ kW / Day
<b>Energy Charge</b> .....	\$0.061/ kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21

\***Billing Demand** will be the total of the Demand plus, if applicable, the Power Factor Adjustment.

Demand will be the greatest 15-minute load during the billing period.

Power Factor Adjustment

The customer shall be required to maintain a 95% lagging power factor or better. Fountain Utilities may install power factor recording meters on any customer with a peak demand exceeding 50 kW to determine compliance with this rate schedule. In the event the power factor is found to be lower than 95% lagging based on the minimum recorded lagging power factor during the billing period, Fountain Utilities shall adjust the Billing Demand upward 1% for each 1% that the power factor is below 95% lagging. If a customer's peak demand does not exceed 50 kW in the previous twelve (12) billing periods, as evaluated in October of each year, power factor adjustment charges will no longer apply.



**ELECTRIC RATES**

**Large Commercial Time of Day Service**

**Issue Date: October 27, 2020**  
**Approval Reference / Date: October 27, 2020**  
**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**A. AVAILABILITY**

Available in the electric service area of Fountain Utilities for any establishment engaged in the operation of a business or an institution, whether or not for profit.

Commercial enterprises will include but not be limited to, clubs, lodges, hotels, motels, schools, hospitals, churches, restaurants, gas stations, convenience stores, municipal, county, state and federal buildings, trailer parks and multi-family residences, whose total electric use of the primary dwelling unit (the unit with the greatest electricity usage compared to the other dwelling units) is less than the combined total electric use of all the non-primary dwelling units.

This rate is applicable to customers whose billing demand is 75 kW or greater and less than 2,000 kW based on an evaluation of peak demand completed in October of each year.

**B. DISQUALIFICATION**

In October of each year, Fountain Utilities will examine the monthly demand for customers for the previous twelve (12) billing periods. If the customer fails to establish a peak demand of 75 kW or exceeds 2,000 kW (exclusive of the power factor adjustment) in at least one (1) billing period of the preceding twelve (12) billing periods, the customer will be transferred to the applicable rate schedule based on the customer’s revised demand characteristics.

**C. RATE**

The bills are the sum of:

**Effective January 1, 2021**

<b>Customer Charge</b> .....	\$3.12 / Customer / Day
<b>Billing Demand*</b>	
<u>On-Peak Demand</u> .....	\$0.065 / kW / Day
<u>Off-Peak Demand</u> .....	\$0.043 / kW / Day
<b>Delivery Charges</b> .....	\$0.309 / kW / Day
<b>Energy Charge On and Off Peak</b> .....	\$0.063 / kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21



**ELECTRIC RATES**

**Large Commercial Time of Day Service** (Cont'd)

**Issue Date: October 27, 2020**  
**Approval Reference / Date: October 27, 2020**  
**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**Effective January 1, 2022**

<b>Customer Charge</b> .....	\$3.24 / Customer / Day
<b>Billing Demand*</b>	
<u>On-Peak Demand</u> .....	\$0.065 / kW / Day
<u>Off-Peak Demand</u> .....	\$0.043 / kW / Day
<b>Delivery Charges</b> .....	\$0.352 / kW / Day
<b>Energy Charge On and Off Peak</b> .....	\$0.063 / kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21

**\*Billing Demand** will be the total of the On-Peak Demand plus the Off-Peak Demand plus the Delivery Charges plus (if applicable) the Power Factor Adjustment.

On-Peak Demand will be the greatest 15-minute load during On-Peak hours in the billing period.

Off-Peak Demand will be the greatest 15-minute load during Off-Peak hours minus the On-Peak Demand in the same billing period, such demand shall not be less than zero (0).

Power Factor Adjustment will adjust the Billing Demand upward 1% for each 1% that the Power Factor is below 95% lagging. The Power Factor adjustment will be based on the minimum lagging power factor recorded during the billing period.

**D. On and Off Peak Periods**

**On-Peak Periods:**

08:00 A.M. - 10:00 P.M.  
Monday through Saturday, excluding the holidays as defined below.

**Off-Peak Periods:**

All other hours plus the following legally observed holidays (the 24-hour calendar day period):  
1) New Year's Day, 2) Memorial Day, 3) Independence Day, 4) Labor Day, 5) Thanksgiving Day, 6) Christmas Day.



**ELECTRIC RATES**

**Industrial Time of Day Service**

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**A. AVAILABILITY**

Available in the electric service area of Fountain Utilities for any establishment engaged in the operation of a business or an institution, whether or not for profit.

Commercial enterprises will include large industrial, manufacturing facilities, and large commercial customers.

This rate is applicable to customers whose billing demand is 2,000 kW or greater in any billing period during the preceding twelve (12) month period, based on an evaluation completed in October of each year.

**B. DISQUALIFICATION**

In October of each year, Fountain Utilities will examine the monthly demand for customers for the previous 12 billing periods. If the customer fails to establish a peak demand of 2,000 kW (exclusive of the power factor adjustment) in at least one (1) billing period of the preceding twelve (12) billing periods may be cause for the customer to be transferred to another rate schedule, applicable based on the customer's revised demand characteristics.

**C. RATE**

The bills are the sum of:

**Effective January 1, 2021**

**Customer Charge**..... \$3.12 / Customer / Day

**Billing Demand\***

On-Peak Demand ..... \$0.062 / kW / Day

Off-Peak Demand ..... \$0.041 / kW / Day

**Delivery Charges** ..... \$0.232 / kW / Day

**Energy Charge On and Off Peak** ..... \$0.063 / kWh

**Electric Cost Adjustment Charge (ECA)** ..... See Sheet # 20, 21



**ELECTRIC RATES**

**Industrial Time of Day Service** (Cont'd)

**Issue Date: October 27, 2020**  
**Approval Reference / Date: October 27, 2020**  
**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**Effective January 1, 2022**

<b>Customer Charge</b> .....	\$3.24 / Customer / Day
<b>Billing Demand*</b>	
<u>On-Peak Demand</u> .....	\$0.062 / kW / Day
<u>Off-Peak Demand</u> .....	\$0.041 / kW / Day
<b>Delivery Charges</b> .....	\$0.334 / kW / Day
<b>Energy Charge On and Off Peak</b> .....	\$0.063 / kWh
<b>Electric Cost Adjustment Charge (ECA)</b> .....	See Sheet # 20, 21

\*Billing Demand shall be the total of the On-Peak Demand plus the Off-Peak Demand plus the Delivery Charges plus (if applicable) the Power Factor Adjustment.

On-Peak Demand will be the greatest 15-minute load during On-Peak hours in the billing period.

Off-Peak Demand will be either a) or b), whichever is greater.

- a) The greatest 15-minute load during Off-Peak hours minus the On-Peak Demand in the same billing period. Such demand shall not be less than zero (0).
- b) 75% of the highest Billing Demand, during the last twelve (12) billing periods, minus the current On-Peak Demand, such demand shall not be less than zero (0). This ratchet provision shall be applicable in all circumstances where the customer's demand reaches 2,000 kW even if that customer's demand subsequently drops below 2,000 kW.

Power Factor Adjustment will adjust the Billing Demand upward 1% for each 1% that the Power Factor is below 95% lagging. The Power Factor adjustment will be based on the minimum lagging power factor recorded during the billing period.

**D. On and Off Peak Periods**

**On-Peak Periods:**

08:00 A.M. – 10:00 P.M.  
Monday through Saturday excluding the holidays as defined below.

**Off-Peak Periods:**

All other hours plus the following legally observed holidays (the 24-hour calendar day period):  
1) New Year's Day, 2) Memorial Day, 3) Independence Day, 4) Labor Day, 5) Thanksgiving Day, 6) Christmas Day.



**ELECTRIC RATES**

**Pumping Service**

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**A. AVAILABILITY**

Available in the electric service area of Fountain Utilities for any establishment engaged in water pumping.

This rate is applicable to customers whose pumping (motor) load is at least three (3) connected horsepower (hp) or more and 75% or more of the total connected load at the customer site, as determined by Utilities.

**B. MINIMUM MONTHLY BILL**

The minimum monthly bill shall be the Billing Demand.

**C. RATE**

The bills are the sum of:

**Effective January 1, 2021**

**Billing Demand\*** ..... \$2.55 / hp / Mo

**Supply Charges** ..... \$0.097 / kWh

**Electric Cost Adjustment Charge (ECA)** ..... See Sheet # 20, 21

**Effective January 1, 2022**

**Billing Demand\*** ..... \$2.65 / hp / Mo

**Supply Charges** ..... \$0.101 / kWh

**Electric Cost Adjustment Charge (ECA)** ..... See Sheet # 20, 21

\***Billing Demand** will be based on the total combined horsepower nameplate rating(s) of the connected motor(s) served at the rate. This total shall not be less than three (3) horsepower.

**D. DISCONNECTION / RE-CONNECTION FEE**

If Utilities receives a request from the customer to temporarily disconnect service under this rate, a fee will be added to the bill as follows:

**Disconnection / Re-connection Fee**..... \$75.00 / occurrence



**ELECTRIC RATES**

**Lighting - General**

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**A. AVAILABILITY**

Available by contract in the electric service area of Fountain Utilities for lighting purposes.

**B. RATE**

The bills shall be for:

**Effective January 1, 2021**

<b>Flashing lights</b> .....	\$0.656 / Light / Day
<b>City sign</b> .....	\$0.853 / Light / Day
<b>Parking lot lights</b> .....	\$1.296 / Light / Day

**Effective January 1, 2022**

<b>Flashing lights</b> .....	\$0.682 / Light / Day
<b>City sign</b> .....	\$0.887 / Light / Day
<b>Parking lot lights</b> .....	\$1.348 / Light / Day

**C. CONTRACT PERIOD**

All contracts under this schedule shall be for a minimum period of two (2) years and thereafter until terminated. Where service is no longer requested by the customer, a five (5) days' notice will be required.



**ELECTRIC RATES**

**Yard Lighting**

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Resolution No. 20-085**

**Effective Date: January 1, 2021**

**A. AVAILABILITY**

Available by contract in the electric service area of Fountain Utilities for lighting purposes. Not applicable for lighting of public streets or highways.

**B. RATE**

The bills shall be for a standard City-selected outdoor area lighting fixture, burning Dusk to Dawn:

**Effective January 1, 2021**

**Yard lights** ..... \$0.415 / Light / Day

**Effective January 1, 2022**

**Yard lights** ..... \$0.432 / Light / Day

**C. CONTRACT PERIOD**

All contracts under this schedule shall be for a minimum period of two (2) years and thereafter until terminated. Where service is no longer requested by the customer, a five (5) days' notice will be required.

**D. RULES AND REGULATIONS**

1. Fountain Utilities, at its expense, will install, own, operate and maintain its outdoor area lighting equipment, and furnish the necessary electrical energy. Facilities shall consist of a luminaire mounted on a mast arm not exceeding four feet in length and automatic control equipment, installed on an existing Fountain Utilities owned pole where secondary distribution exists.
2. Utilities reserves the right to limit the number of lighting units required in the installation of a pole and served from the overhead system to two (2) lighting units from each pole. The length of the span of the service to the light shall be determined by Utilities in accordance with good engineering practice. If service as requested by customer requires the installation of any additional facilities, the customer shall pay in advance for such facilities as a contribution-in-aid of construction, which shall be non-refundable. Utilities reserves the right to specify the pole location.



## ELECTRIC RATES

### Yard Lighting (Cont'd)

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

3. The term "Burning Dusk to Dawn" as used herein shall be construed to mean that all lamps shall be lighted by automatic control equipment from approximately thirty (30) minutes after sunset to approximately thirty (30) minutes before sunrise, with a total burning time of approximately 4,000 hours per year.
4. The customer shall notify the Utilities of any service failure. Burned out lamps shall be replaced as soon as practicable, following notification, subject to the operating schedules of Utilities. All maintenance, including lamp replacement, shall be done during regular working hours. No credit shall be allowed on the customer's bill for lamp outages.
5. All material and equipment installed under this rate shall remain the property of Utilities. If the customer terminates the service prior to the expiration of the contract period, the customer may be required to reimburse Utilities for the expenditure made by Utilities plus all costs for removal of the facilities.



**ELECTRIC RATES**

**Street Lighting**

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Resolution No. 20-085**

**Effective Date: January 1, 2021**

**A. AVAILABILITY**

Available within the electric service area of Fountain Utilities for street lighting service.

**B. APPLICABILITY**

Applicable to all residential and commercial customers (a) located within the incorporated areas of the City of Fountain except for the area known as "Little Ranches" and (b) located in those unincorporated areas of Fountain's electric service area for which street lighting service is provided or for which a benefit is received from having street lighting service available.

**C. RATE**

**Effective January 1, 2021**

**Street lights** ..... \$0.086 / Light / Day

**Effective January 1, 2022**

**Street lights** ..... \$0.090 / Light / Day

**D. RULES AND REGULATIONS**

1. Street lighting service provided hereunder shall be furnished as part of the residential or commercial electric service to customers in particular areas or subdivisions receiving such service. Maps will be maintained by Utilities setting forth and describing the boundaries of the areas to be supplied with street lighting under this rate schedule, and such maps will govern the billing. Those customers located within the boundaries of the areas shown on these maps shall be billed for street lighting service and the monthly charge will be added to the monthly bill of such residential and commercial customers located within such areas.
2. Street lighting service will be installed in areas otherwise qualifying for street lighting hereunder on one of the following bases:
  - a. With respect to areas currently being subdivided and developed, street lighting service supplied from overhead conductors will be provided upon receipt of a petition or other written request for service in a form satisfactory to Utilities obtained by the builder or developer, and signed by each electric customer within such subdivision.



## ELECTRIC RATES

### **Street Lighting** (Cont'd)

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

- b. Upon resolution by the Fountain City Council directing street lighting service in the area.
- c. Where the area proposed to be served is subject to terms and provisions of an unconditional restrictive covenant which provides in substance that present and subsequent owners of property in the area proposed to be served are subject to and bound by present and future tariffs applicable to street lighting.
3. Street lighting systems will be designed by Utilities in accordance with good engineering practices and shall be planned based on the lowest life-cycle cost, taking into account installed costs, energy usage, operation, and maintenance. Location and spacing of street lights shall be determined by the Utilities' engineers. Utilities will not be required to construct street lighting facilities in advance of the construction of homes.
4. Subject to the conditions herein after stated, Utilities will upon request of a subdivision developer, provide street lighting service mounted on standard street lighting or utility poles supplied from an underground street lighting distribution system. The developer shall pay the difference between cost of overhead and underground wiring. If developer prefers service from different style lighting fixtures (ornamental or decorative, metal poles, high efficiency lighting), the developer shall pay the difference, including a 20% adder for inventory management, incremental operation and maintenance costs and administration. Such payment shall be a non-refundable contribution-in-aid of construction. All street lighting facilities whether paid for by Utilities or developer shall be installed, owned, operated, and maintained by Utilities.
5. Street lighting service requested by a builder or developer for purposes of lighting streets adjacent to show house, etc., will be supplied by written agreement at the rates for ordinary street lighting service concurrently on file and in effect in the area where service is requested. Such builder or developer shall be responsible for payment of bills therefore until such time as the development in the area is such that payment for the street lighting can be made on an individual customer basis at the rate specified under "Daily Rate" herein.



**ELECTRIC RATES**

**Small Power Producers and Co-Generators**

**Issue Date: October 27, 2020**  
**Approval Reference / Date: October 27, 2020**  
**Effective Date: January 1, 2021**

**Resolution No. 20-085**

**A. AVAILABILITY**

Available by contract in the electric service area of Fountain Utilities if the tariff entitled "Customer Self-Generation" does not apply. The purchase rates for qualifying facilities with a design capacity of 100 kW or less is as follows:

**B. AVOIDED COST DAILY RATE**

**Energy Only**

**Effective January 1, 2021**

Energy ..... \$0.038 / kWh

**Effective January 1, 2022**

Energy ..... \$0.040 / kWh

**Capacity and Energy**

**Effective January 1, 2021**

Capacity ..... \$0.061 / kW / Day

Energy ..... \$0.038 / kWh

**Effective January 1, 2022**

Capacity ..... \$0.061 / kW / Day

Energy ..... \$0.040 / kWh

**C. ELECTRIC COST ADJUSTMENT**

The above energy rates shall be increased or decreased by an amount equal to the current purchased power electric cost adjustment.

ECA ..... See Sheet # 20, 21



**ELECTRIC RATES**

**RESERVED FOR FUTURE USE**



## ELECTRIC RATES

### Electric Cost Adjustment (ECA)

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Resolution No. 20-085**

**Effective Date: January 1, 2021**

#### **A. APPLICABILITY**

To be added to the monthly rate of each filed rate in which reference is made to the ECA.

#### **B. CALCULATION**

On or about the 29<sup>th</sup> day of each calendar month (between Billing Cycle 5 and Billing Cycle 1 of subsequent month), the ECA for the next billing cycle shall be calculated.

ECA for recovery period equals the Sum of Components One and Two

$$\text{ECA} = \text{ECA1} + \text{ECA2}$$

Component One = ECA1 = ECA necessary to recover difference between energy costs that were recovered from retail rates and actual costs for the previous billing cycle.

$$\text{ECA1} = \frac{(\text{PC} - \text{ECA}_{\text{Base}} * \text{ES}_{\text{act}})}{\text{ES}_{\text{Proj}}}$$

$\text{ECA}_{\text{Base}}$  = Energy Cost Adjustment Base, as defined in Cost of Service Study. For period beginning January 1, 2021, the  $\text{ECA}_{\text{Base}}$  is \$66.70/MWh.

$\text{ES}_{\text{Act}}$  = Retail Energy Sales for previous retail billing cycle.

$\text{ES}_{\text{Proj}}$  = Projected Retail Energy Sales for next billing cycle.

PC = Power Costs, including capacity, energy, and transmission costs, for the previous wholesale billing period.



## ELECTRIC RATES

### **Electric Cost Adjustment (ECA)** (Cont'd)

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

Component Two = ECA2 = Monthly true-up to reconcile amount collected based on projected sales to amount collected based on actual sales for previous billing cycle.

$$ECA2 = \frac{ECA_{prev} * (ES_{prev} - ES_{act})}{ES_{proj}}$$

$ECA_{prev}$  = ECA assessed during previous billing cycle.

$ES_{prev}$  = Energy sales projected ( $ES_{proj}$ ) in previous billing cycle ECA calculation.

$ES_{act}$  = Actual energy sales for previous billing cycle.

$ES_{proj}$  = Projected energy sales for next billing cycle (same projected energy sales from Component One).



## ELECTRIC RATES

### **System Development Charge (SDC)**

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Resolution No. 20-085**

**Effective Date: January 1, 2021**

#### **A. APPLICABILITY**

1. **New Customer or New Load.** Every new customer or new load (as defined hereafter) shall pay a System Development Charge (“SDC”) in the manner and amount set forth in this SDC tariff. A new customer, for purposes of the SDC, shall mean any customer applying for new electric service on and after January 1, 2006. For purposes of residential developments, the developer shall be grandfathered and not subject to the SDC if (a) an approved plat has been issued by the City on or before December 31, 2005, and (b) the developer has paid on or before December 31, 2005, the line extension and/or customary underground residential distribution (“URD”) per foot costs, or if the Utility Director or his designee issues an acknowledgment in writing before December 31, 2005, that the plat has been approved and an estimate of the URD costs is being prepared by Utilities for submittal to the developer.
2. **Exemptions.** The SDC shall not be applied to the following:
  - a. An alteration or expansion of an existing building or structure that does not require an increase in rate class, voltage, phase, or panel amps.
  - b. Replacement of an existing building or structure with a new building or structure that does require an increase in rate class, voltage, phase, or panel amps.
  - c. Any claim of exemption under this Subsection 2 shall be made to Utilities prior to the installation of new electric facilities on the property.
3. **Not in Lieu of Line Extension Charge.** The SDC is an addition to, and not in lieu of, all other development charges applied to new customers or new loads, including without limitation, line extension charges and URD charges contained in Utilities’ Rules and Regulations and/or appropriate ordinances adopted by the City.

#### **B. AMOUNT OF CHARGE**

The SDC shall equal a non-refundable charge of \$1,250 for each new residential customer load or new lot within a development as shown in the approved plat.



## ELECTRIC RATES

### **System Development Charge (SDC)** (Cont'd)

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Resolution No. 20-085**

**Effective Date: January 1, 2021**

#### **C. ESTABLISHMENT OF SDC FUND**

There is hereby established a SDC fund. This fund shall be an account that clearly identifies the aggregate funds the City collects as System Development Charges. Funds withdrawn from the SDC fund shall be used only for the purposes set forth in Section E below.

#### **D. PAYMENT**

A new customer or new load must pay the SDC to the City prior to the installation of electric facilities on the property.

#### **E. USE OF FUNDS**

1. Utilities shall use the SDC funds only for growth related electric utility capital improvement projects, including, but not limited to:
  - a. Electric main feeder system improvements;
  - b. Electric substations;
  - c. Transmission lines and substation interconnection;
  - d. Engineering, design, and permitting for electric system capital improvements;
  - e. Equipment and construction costs for electric system capital improvements; and
  - f. Land purchase and easement acquisition costs.
2. Utilities shall not use SDC funds for periodic or routine maintenance.

#### **F. REVIEW**

Utilities shall ask the City Council to review the amount and application of the SDC at least every five (5) years. The last review was approved October 27, 2020.



**ELECTRIC RATES**

**Harmonic Current Distortion Limits**

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

**A. APPLICABILITY**

Each customer requesting electric service from Fountain Utilities, single-phase or three-phase, shall be responsible for limiting the harmonic current distortion levels at their electric service metering point to the levels prescribed in the latest edition of the IEEE 519 standard. The customer harmonic injection shall be limited to levels identified below, taken from the 1992 edition (AS REPRINTED IN June 2004) of IEEE 519 Standard.

**TABLE 10-3**

**CURRENT DISTORTION LIMITS FOR GENERAL DISTRIBUTION SYSTEMS**

**(120 V THROUGH 69 KV)**

<b>Maximum Harmonic Current in Percent of <math>I_L</math></b>						
$I_{sc}/I_L$	<b>Individual Harmonic Order (Odd Harmonic)</b>					<b>TTD</b>
	<b>&lt; 11</b>	<b><math>11 \leq h &lt; 17</math></b>	<b><math>17 \leq h &lt; 23</math></b>	<b><math>23 \leq h &lt; 35</math></b>	<b><math>35 \leq h</math></b>	
< 20	4.0	2.0	1.5	0.6	0.3	5.0
20 < 50	7.0	3.5	2.5	1.0	0.5	8.0
50 < 100	10.0	4.5	4.0	1.5	0.7	12.0
100 < 1000	12.0	5.5	5.0	2.0	1.0	15.0
> 1000	15.0	7.0	6.0	2.5	1.4	20.0

NOTE:  $I_{sc}/I_L$  = Ratio of the short circuit current to the maximum customer load current.

TTD = Total Demand Distortion, total current distortion in % of maximum customer load current.

MAXIMUM CUSTOMER LOAD CURRENT = Load current measured in the field while performing the harmonics investigation recordings.



## ELECTRIC RATES

### **Harmonic Current Distortion Limits** (Cont'd)

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

Utilities shall be responsible for limiting the harmonic voltage distortion level to less than 5.0% THD, as identified in the IEEE-519 standard table 11-1 "Voltage Distortion Limits." Utilities shall be responsible for performing the harmonic current field measurements or shall select a qualified representative to collect the harmonic field measurements. If the harmonic current injection levels exceed the IEEE-519 standard limit, Utilities shall notify the customer of the power quality problem and, at its sole discretion, require the customer to correct the problem at no cost to Utilities. Failure by the customer to correct the current harmonic injection problem after notification from Utilities shall constitute grounds for disconnection of electric service.



## ELECTRIC RATES

### **Customer Self-Generation**

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

#### **A. APPLICABILITY**

For service to customer-generators where a part or all of the electrical requirements of the customer-generator can be supplied from a solar or wind generating facility, utilizing an approved inverter for connection to the distribution system, with a generating capacity of not more than 10 kW. The generating facility must be located on premises that are owned or controlled by the customer-generator ("Service Location"). The customer's system must be intended to offset part or all of the customer-generator's electrical requirements for electrical energy at the same location and may not be used to offset electric consumption at another location. The intent of this schedule is to allow customers to offset electric usage with solar or wind generation. Utilities, at its sole discretion, reserves the right to refuse service under this schedule to customer-generators that may have limited load, or are in the sole opinion of Utilities primarily generators. Utilities, upon notice to the City Council, may establish a moratorium on new interconnections under this tariff in circumstances where there is a six (6) month or more back-log in fulfilling interconnection requests or where connected generation exceeds 5% of Utilities' system peak demand. Service under this tariff shall be provided under contract between the residential customer and the City.

#### **B. AVAILABILITY**

To customer-generators described above who receive single-phase service from Utilities under the Residential Service rate or the Small Commercial Service rate. Customer-generators shall be limited on any radial distribution circuit to no more than 15% of the line section's annual peak load as most recently measured at the substation or calculated for the line segment. Other limits on the number of customer-generators on a radial distribution circuit may be applied based on the aggregate contribution of the customer-generators to fault current on the circuit. A line section is that portion of Utilities' electric system connected to a customer bounded by automatic sectionalizing devices or the end of the distribution line.

#### **C. INTERCONNECTION; METERING**

1. Prior to commencement of service under this Tariff, the customer-generator must:
  - a. Submit a completed Interconnection Request to Utilities. This form will be available from the City Clerk or the Superintendent of the Electric Department.
  - b. Sign a contract for the service at the Service Location.



## ELECTRIC RATES

### **Customer Self-Generation** (Cont'd)

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

2. The interconnection between the customer generation equipment and the Fountain electric system must be conducted in strict accordance with the National Electric Safety Code and the rules and regulations of Utilities. Any unsafe condition determined in Utilities' sole discretion may be immediately cured or addressed by Utilities without advance notice to the residential customer.
3. The inverter utilized by the customer-generator shall be rated by the manufacturer for grid connected applications. In addition, it shall be compliant with the current version of IEEE standard 1547, IEEE standard 929 and UL standard 1741. The installation shall also comply with applicable portions of the National Electric Code (NEC) section 690 as well as any other NEC sections as may be applicable.
4. If the proposed customer-generator equipment is single-phase and is to be interconnected to a center tap neutral of a 240 volt service, its addition shall not create an imbalance between the two sides of the 240 volt service of more than 20% of the nameplate rating of the service transformer.
5. Upon approval of the interconnection request, Utilities will install a bi-directional meter at the Service Location to measure both energy delivered to the residential customer from Utilities' power supply sources and energy produced by the residential customer through the customer generation equipment at the Service Location.
6. The customer-generator shall at the customer-generator's expense, provide all applicable safety equipment, including lockable switching equipment capable of isolating the generating facility from Utilities' system. Should the customer-generator elect not to provide lockable switching equipment accessible to Utilities at all times, the customer-generator agrees that Utilities may, at its discretion, remove the customer-generator's meter to isolate the customer-generator from the electric system.

#### **D. PARALLEL OPERATION**

The customer-generator agrees to allow Utilities to test the generation system by de-energizing the service to the customer-generator to verify the proper operation of the inverter before continuous operation is allowed, and periodically thereafter at Utilities' discretion.

The customer-generator's power generating installation shall be designed, installed, and maintained to be self-protected from normal and abnormal conditions on the Electric Department's



## ELECTRIC RATES

### **Customer Self-Generation** (Cont'd)

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

Electric distribution system. The conditions for which the power generating installation shall be self-protected shall include, but not be limited to, over voltage, under voltage, over current, frequency deviations, and faults.

Customer-generator assumes full responsibility for electric energy furnished at and past the point of interconnection. Customer-generator, at its own expense, shall secure and maintain in effect liability insurance with a combined single limit for bodily injury and property damage of not less than \$300,000 for each occurrence. This amount may be adjusted at Utilities' discretion when liability issues and conditions warrant the change.

Utilities shall not be liable for either direct or consequential damages resulting from failures, interruptions, or voltage and wave form fluctuations occasioned by causes reasonably beyond the control of Utilities or by causes resulting from acts allowed by Utilities as set forth herein, or for damages resulting from, including, but not limited to, acts of God or public enemy, sabotage and/or vandalism, accidents, fire, explosion, labor troubles, strikes, order of any court or judge granted in any bona fide adverse legal proceeding or action, or any commission, tribunal or governmental authority having jurisdiction.

Customer-generator agrees to indemnify, hold harmless, and defend the City of Fountain for and from any and all losses, damages, claims, liabilities, lawsuits and other proceedings, judgments, and awards, costs, expenses and penalties (including but not limited to reasonable attorney fees) arising directly or indirectly, in whole or in part, from activities of the customer-generator under this Schedule.

#### **E. RATE; BILLING**

1. Reference shall be made to Utilities' Residential Service tariff in applying the rates, charges, and credits as described in more detail below. The charges, rates, and credits applied monthly shall be calculated in reference to the then current Residential Service tariff adopted by Fountain's City Council, together with the then current Electric Cost Adjustment ("ECA") rate schedule.
2. The residential customer shall pay the Customer Charge component set forth in the then current Residential Service rate schedule, without discount or credit for customer generation equipment.



## ELECTRIC RATES

### **Customer Self-Generation** (Cont'd)

**Issue Date: March 29, 2016**

**Approval Reference / Date: March 29, 2016**

**Resolution No. 16-010**

**Effective Date: March 29, 2016**

3. The residential customer shall pay the Delivery Charge component set forth in the then current Residential Service rate schedule for all kWh consumed regardless of the source of generation.
4. A net charge or net credit shall be applied to the Energy Charge component and the ECA component set forth in the then current Residential Service rate schedule. For purposes of this tariff,
  - a. The “net charge” shall be defined as the difference between customer generated energy and Utilities’ supplied energy under circumstances where customer generation equipment has not supplied all energy needs (kWh) consumed by the residential customer at the Service Location.
  - b. The term “net credit” shall be defined as the difference between customer generated energy and Utilities’ supplied energy under circumstances where customer generation equipment supplies more than the energy needs (kWh) consumed by the residential customer. Net credits will be applied to each monthly bill.
5. Bills shall be calculated and rendered on a monthly billing cycle basis.
6. This rate schedule shall in no manner affect, limit, or modify Fountain’s ability to revise its Residential Service tariff at any time in the future and said revised tariff(s) shall apply to the charges, rates, and credits described in this Section E upon the effective date of such revisions to the Residential Service tariff.



**ELECTRIC RATES**

**Shared Pole Attachment Tariff For Communication Equipment**

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Resolution No. 20-085**

**Effective Date: January 1, 2021**

**A. APPLICABILITY**

For electric service under contract to communication gear limited to radio transceivers, whip style antennas and electronic equipment installed on Utilities' street light or power poles.

Utilities will specify the load determination method. Acceptable methods being either by meter or by nameplate load rating.

Rate section below will be used to determine total billing.

**B. RATE**

The bills are the sum of:

**Effective January 1, 2021**

**Customer Charge**..... \$0.631 / Day times the metered number of fixtures or per contract, as determined by Utilities.

**Delivery Charge** ..... \$0.011 / Day times the total number of installed fixtures.

**Energy Charge** ..... \$0.170 / kWh where the monthly kWh is the sum of all installed fixture loads, applied as follows:

If load is determined by meter, then the monthly kWh is calculated by summing the kWh consumed by the metered fixtures, determining an average, and multiplying that average by the total number of installed fixtures.

If load is determined by nameplate, then the monthly kWh is the sum of the nameplate load ratings.

**Effective January 1, 2022**

**Customer Charge**..... \$0.656 / Day times the metered number of fixtures or per contract, as determined by Utilities.

**Delivery Charge** ..... \$0.012 / Day times the total number of installed fixtures.



**ELECTRIC RATES**

**Shared Pole Attachment Tariff For Communication Equipment** (Cont'd)

**Issue Date: October 27, 2020**

**Approval Reference / Date: October 27, 2020**

**Resolution No. 20-085**

**Effective Date: January 1, 2021**

**Energy Charge** ..... \$0.177 / kWh where the monthly kWh is the sum of all installed fixture loads, applied as follows:

If load is determined by meter, then the monthly kWh is calculated by summing the kWh consumed by the metered fixtures, determining an average, and multiplying that average by the total number of installed fixtures.

If load is determined by nameplate, then the monthly kWh is the sum of the nameplate load ratings.