



1407 W. North Temple, Suite 330
Salt Lake City, Utah 84116

September 24, 2019

VIA ELECTRONIC FILING

Public Service Commission of Utah
Heber M. Wells Building, 4th Floor
160 East 300 South
Salt Lake City, UT 84114

Attention: Gary Widerburg
Commission Administrator

Re: **Docket No. 19-035-T13**
Advice No. 19-13
Proposed Tariff Revisions to Electric Service Regulation No. 6 (Company's Installation)

Enclosed for filing is a proposed revised page associated with Tariff P.S.C.U No. 50, applicable to electric service in the State of Utah. Pursuant to the requirement of Rule R746-405-2(D), PacifiCorp ("Company") states that the proposed tariff sheet does not constitute a violation of state law or Public Service Commission of Utah ("Commission") rule. The Company respectfully requests an effective date of January 1, 2020, for these changes.

Second Revision of Sheet No. 6R.1	Electric Service Regulation No. 6	Company's Installation
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The proposed change to Electric Service Regulation No. 6 – Company's Installation adds a single phase 240-480 volt, 3-wire, grounded option for standard secondary service ("single phase 240/480V service"). The Company proposes this change because providing single phase 240/480V service will benefit customers with minimal impact to Company operations. Approximately 40 percent of the Company's distribution lines are constructed as single phase power and the lack of three phase supply can create challenges for customers with equipment that requires three phase power. In particular, electric motors (that are typically used for irrigation, sewage lift stations and mine ventilation) have limited commercial availability in single phase ratings above 7.5 horsepower. Costs to extend three phase primary lines ranges from \$60,000-\$150,000 per mile.

If capacity is available on an existing single phase line, a three phase supply can be derived from a variable frequency drive or rotary phase converter. Allowing the Company to provide single phase 240/480V service can reduce customer costs when only single phase is available. On average, 480V class phase converters and motors are 10 to 25 percent less expensive than 240V class phase converters and additional savings can be realized in wiring and conduit costs.

For example, single phase 240/480V service is the typical voltage for a number of transportation agencies for roadway lighting. As lighting circuits may extend for several miles, single phase 240/480V service is used to reduce both wiring costs and voltage drop. Providing 240/480V service will reduce transportation agency costs by eliminating the need to install 2:1 step-up transformers to obtain 240/480V service from the currently available 120/240V services.

Direct current (“DC”) fast charging is an emerging use for 240/480V service. At this time all commercially available options for DC fast charging require three phase power. The Company has had discussions with several vendors with single phase solutions under development in order to enable DC fast charging in areas where only single phase is available. Single phase 240/480V service will reduce service entrance wiring and alternating current (“AC”) rectification stage costs compared to 120/240V service.

Accommodating single phase 240/480V service will have very little impact to the Company’s current construction standards, practices and inventory requirements. Some additional inventory will be required to support pad-mount transformer installations but no impact to overhead transformer inventory levels is anticipated. The Company’s current standards and equipment support the metering of 240/480V single phase service and no impact to system planning is anticipated. Therefore, the Company respectfully requests that the Commission approve the Company’s request to modify its Electric Service Regulation No. 6 – Company’s Installation to add a single phase 240-480 volt, 3-wire, grounded option for standard secondary service.


It is respectfully requested that all formal correspondence and staff requests regarding this matter be addressed to:

By E-mail (preferred): datarequest@pacificorp.com
Jana.saba@pacificorp.com

By Regular mail: Data Request Response Center
PacifiCorp
825 NE Multnomah Blvd., Suite 2000
Portland, OR 97232

Informal inquiries may be directed to Jana Saba, Manager, State Regulatory Affairs, at (801) 220-2823.

Sincerely,



Joelle Steward
Vice President, Regulation

Enclosures

**ROCKY MOUNTAIN POWER
ELECTRIC SERVICE REGULATION NO. 6
STATE OF UTAH**

Company's Installation

1. COMPANY'S INSTALLATION

Except as otherwise provided in these Regulations, an Electric Service Agreement, or the Electric Service Schedules, the Company will install and maintain its lines and equipment on its side of the Point of Delivery, but shall not be required to install or maintain any lines or equipment except meters and accessories beyond that point. Only the Company is authorized to make the connections at the Point of Delivery. Electric service furnished under this tariff will be alternating current, 60 hertz, single or three-phase. Primary service voltage will be at one of the nominal standard voltages available from the Company at or near the Customer's location. Secondary service voltage will be limited to:

- Single-phase, 120 volts, 2-wire, grounded
- Single-phase, 120/240 volts, 3-wire, grounded
- Single-phase, 240/480 volts, 3 wire, grounded
- Three-phase, 208Y/120 volts, 4-wire, grounded, wye
- Three-phase, 480Y/277 volts, 4-wire, grounded, wye

2. COMPANY FACILITIES ON CUSTOMER'S PREMISES

- (a) All materials furnished and installed by the Company on the Customer's premises, shall be, and remain, the property of the Company. The Customer shall not break the Company's seals. In the event of loss or damage to the Company's property, arising from neglect, carelessness, or misuse by the Customer, the cost of necessary repairs or replacement shall be paid by the Customer.
- (b) Customer without expense to the Company shall make or procure conveyance to the Company of satisfactory Rights-of-Way Easements across the property owned or controlled by the Customer for the Company's lines or extensions thereof necessary or incidental to the furnishing of service to the Customer.
- (c) The Customer shall provide safe, unobstructed access to Company representatives at all hours to maintain the Company's electric distribution facilities. The Customer shall also permit the Company to trim trees and other vegetation to the extent necessary to avoid interference with the Company's lines and to protect public safety. Safe and unobstructed access is defined as free of any obstructions including, but not limited to, obstructions caused by structures, trees, vegetation, landscaping, equipment or vehicles, driveways or installed foundations, debris or animals.



P.S.C.U. No. 50

**Second Revision of Sheet No. 6R.1
Canceling First Revision of Sheet No. 6R.2**

(Continued)

Issued by authority of Report and Order of the Public Service Commission of Utah in Advice No. 19-13

FILED: September 24, 2019

EFFECTIVE: January 1, 2020

ROCKY MOUNTAIN POWER
ELECTRIC SERVICE REGULATION NO. 6
STATE OF UTAH

Company's Installation

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2015January 1, 2020

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P.S.C.U. No. 50

~~First-Second~~ Revision of Sheet No. 6R.1
Canceling ~~Original-First Revision of~~ Sheet No. 6R.2

(Continued)

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FILED: ~~July 30, 2015~~ September 24, 2019
2015 January 1, 2020

EFFECTIVE: ~~September 1,~~

CERTIFICATE OF SERVICE

Advice No. 19-13
Docket No. 19-035-T13

I hereby certify that on September 24, 2019, a true and correct copy of the foregoing was served by electronic mail to the following:

Utah Office of Consumer Services

Michele Beck mbeck@utah.gov

Division of Public Utilities

dpudatarequest@utah.gov

Rocky Mountain Power

Data Request Response Center datarequest@pacificorp.com

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Mary Penfield
Adviser, Regulatory Operations