

ELECTRICITY

Chugach Electric Association, Inc.

ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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CHUGACH ELECTRIC ASSOCIATION, INC.

ELECTRIC SERVICE TARIFF NO. 2

(Replacing & Superseding Tariff No. 1,
Pursuant to 3 AAC 48.360)

CONTAINING:

Rates, Rules and Regulations
Governing the Provision of Electric Service
In Authorized Areas of:

The Municipality of Anchorage,

The Kenai Peninsula Borough,

The Matanuska-Susitna Borough, And

In And Around Whittier, Alaska

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Pursuant to U-13-007 (17)
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Anchorage, AK 99519-6300

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Chugach Electric Association, Inc.

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L1: Appendices C through D moved from Tariff Sheet No. 8.

L2: Appendix E moved from Tariff Sheet No. 8.1.

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L: Appendix C and Appendix D previously shown on this Tariff Sheet have been moved to Tariff Sheet No. 7.

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L: Appendix E, previously shown on this tariff sheet has been moved to Tariff Sheet No. 7.

RCA No. 8

4th Revision

Sheet No. 9



Canceling

Sheet No. 9

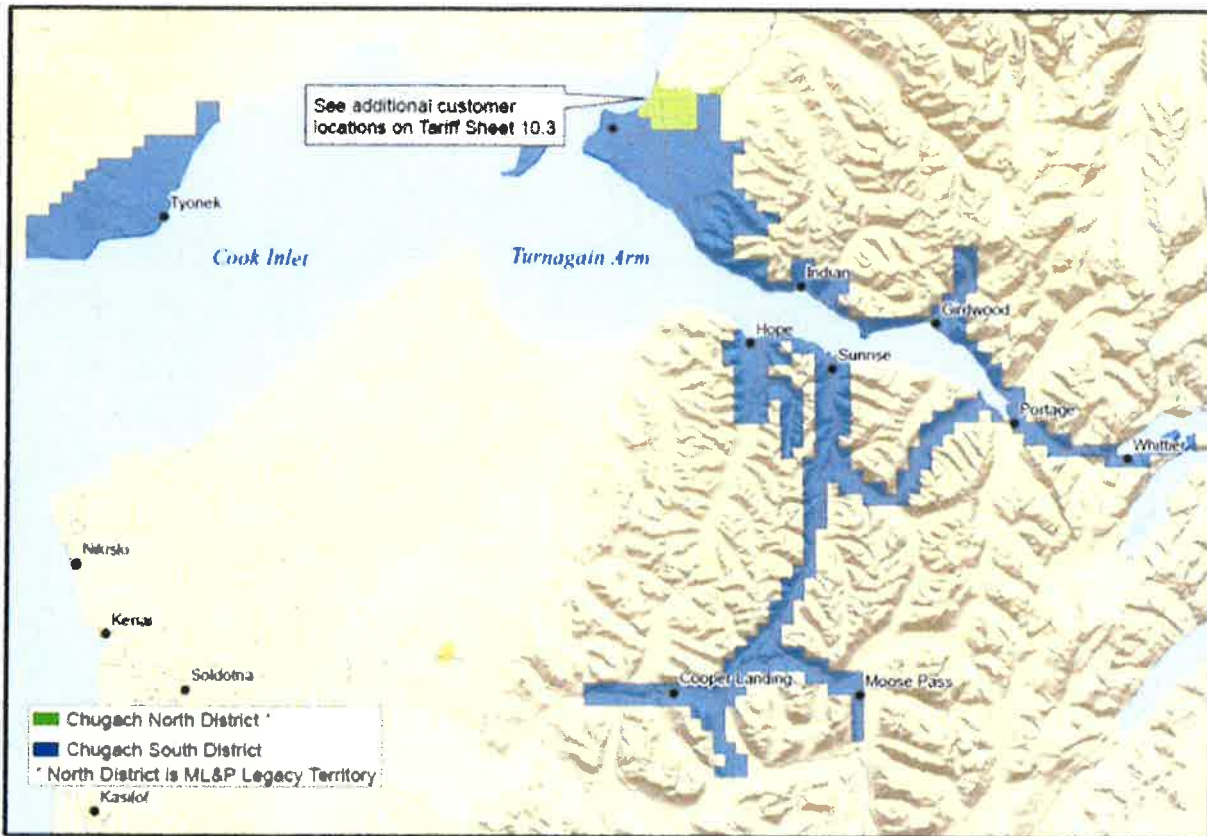
3rd Revision

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

SERVICE AREA MAP



RCA No. 81st RevisionSheet No. 10.1CancelingOriginalSheet No. 10.1**RECEIVED****AUG 26 2020**STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Geographical Areas of Retail Electric Service

Chugach Electric Association, Inc. is an electric utility certified by the Regulatory Commission of Alaska to provide electric service in the authorized areas of the Municipality of Anchorage, the Kenai Peninsula Borough, the Matanuska-Susitna Borough, and in and around Whittier, Alaska.

DESCRIPTION OF SOUTH DISTRICT SERVICE AREA

T

T13N	R10W	Sections:	22, 23, 26, 27, 34, 35
T13N	R05W	Sections:	31-34
T13N	R04W	Sections:	20, 21, 22, that portion of 23 generally west of the centerline of the Alaska Railroad right of way, 25-29, and 31- 36
T13N	R03W	Sections:	13, 14, 23-26, 31-36
T12N	R12W	Sections:	24-26, 34-36
T12N	R11W	Sections:	1, 2, 10-36
T12N	R10W	Sections:	3-9, 16 – 20, 29-31
T12N	R06W	Sections:	13, 14, 24
T12N	R05W	Sections:	1, 3-9, 17-19
T12N	R04W	Sections:	1-16, 22- 26
T12N	R03W	Sections:	1-36
T12N	R02W	Sections:	5, 6, 7, 18, 19, 29-33
T11N	R12W	Sections:	1-4, 7-30
T11N	R11W	Sections:	1-19
T11N	R10W	Sections:	6
T11N	R03W	Sections:	1-5, 9-15, 22- 26
T11N	R02W	Sections:	2-10, 18, 19, 27-34
T11N	R01W	Sections:	29-35
T11N	R02E	Sections:	21, 22, 27, 28, 33, 34
T10N	R02W	Sections:	1 - 4, 25-29, 31-35
T10N	R01W	Sections:	2-6, 8, 9, 10, 14, 15, 23, 24, 25, 29-34
T10N	R01E	Sections:	19-24, 28, 29, 30
T10N	R02E	Sections:	3, 4, 8, 9, 15-21, 28-30, 32, 33, 34
T09N	R02W	Sections:	1-6, 8, 9, 10, 13-17, 20-25, 27, 28, 29, 32, 33, 34, 36
T09N	R01W	Sections:	2, 3, 4, 9, 10, 11, 14, 15, 16, 19, 21, 22, 23, 26, 27, 28, 30, 31, 33, 34, 35
T09N	R02E	Sections:	2, 3, 4, 10-14, 23-28, 31-34, 36
T09N	R03E	Sections:	19, 20, 29-32

RCA No. 8

1st Revision

Sheet No. 10.2



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REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Geographical Areas of Retail Electric Service (Continued)

DESCRIPTION OF SOUTH DISTRICT SERVICE AREA

T

T08N	R02W	Sections:	1, 12, 13
T08N	R01W	Sections:	2, 3, 4, 6, 7, 9, 10, 14, 15, 16, 20-23, 25-29, 32, 33, 35, 36
T08N	R01E	Sections:	1, 12, 13, 14, 23, 24, 26, 27, 31, 32, 34, 35
T08N	R02E	Sections:	5, 6, 7
T08N	R03E	Sections:	3-6, 9-14,
T08N	R04E	Sections:	13-18, 22-24
T08N	R05E	Sections:	3, 4, 8-11, 14-19
T07N	R01W	Sections:	4, 5, 8, 9, 16, 17, 20, 29, 32
T07N	R01E	Sections:	3-6
T06N	R02W	Sections:	12, 13, 23-26, 34, 35
T06N	R01W	Sections:	5, 6, 7, 18
T05N	R04W	Sections:	25-36
T05N	R03W	Sections:	25-36
T05N	R02W	Sections:	2, 3, 4, 8-20, 29, 30, 31
T05N	R01W	Sections:	7, 16, 17, 18, 20-27, 36
T04N	R03W	Sections:	1, 2, 3, 11, 12, 13, 24, 36
T04N	R02W	Sections:	19, 29-32
T04N	R01W	Sections:	1, 12, 13 ¹

(All of the above with reference to the Seward Meridian)

Chronology of previous CPCN 8 modifications:

T

- Original Certificate granted 1/1/64
- First Revision 6/8/67 (U-66-22(1))
- Second Revision 12/8/67 (U-67-12(1))
- Third Revision 11/19/71 (U-71-97(1))
- Fourth Revision 11/2/72 (U-72-65 (1))
- Fifth Revision 9/27/73 (U-71-16 (19))
- Sixth Revision 8/27/84 (U-71-16(37))

¹That portion of T04N R01W, Section 13 lying north of the Falls Creek alignment as it flows westerly to the Falls Creek and Trail River confluence and, all of said Section 13 on the west side of the Trail River as is shown on the map attached to this Certificate of Public Convenience and Necessity.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Geographical Areas of Retail Electric Service (Continued)

N

DESCRIPTION OF NORTH DISTRICT SERVICE AREA

T13N	R4W	Sections:	13, that portion of 23 generally east of the centerline of the Alaska right of way, and 24
T13N	R3W	Sections:	Those portions of 6 through 10, and 12 not included within the boundaries of a military reservation; 15 through 22, and 27 through 30
T13N	R2W	Sections:	That portion of 7 not included within the boundaries of a military reservation

(All the above with reference to the Seward Meridian)

In addition, the following customer locations are being served within the Elmendorf Air Force Base and Fort Richardson areas:

1. Municipality of Anchorage d/b/a Anchorage Water & Wastewater Utility Ship Creek Dam Waterline, from the Ship Creek Filtration Plant to the Ship Creek Dam
2. 716 Steel Road, State of Alaska Elmendorf Fish Hatchery
3. 2800 Post Road, Elmendorf Air Force Base Guard House
4. 3000 Post Road, Elmendorf Air Force Base Golf Course, SE of EAFB Post Road Gate, Elmendorf Air Force Base Golf Cart Storage Facility
5. 2651 Post Road, State of Alaska d/b/a Alaska Railroad Load Center, 3301 Post Road, State of Alaska d/b/a Alaska Railroad Signal Light
6. 4005 McPhee Avenue, Anchorage School District Mountain View Elementary School
7. 5400 Davis Way, Federal Aviation Administration Air Traffic Control Facility
8. 5400 Davis Way, Federal Aviation Administration Modular Office Buildings
9. East side of Robert Rude Subdivision, AWWU Control Valve Station
10. 525 East Bluff Drive, Anchorage School District Government Hill Elementary School
11. 911-1509 Richardson Vista Drive and 1303-1347 East Bluff Drive, Richardson Vista Apartments (19 building complex)
12. Fort Richardson Bulk Power Sales
13. Elmendorf Air Force Base Bulk Power Sales
14. 9100 Centennial Drive, Cook Inlet Housing Authority Water Pump
15. 8701 Glenn Highway, State of Alaska Glenn Highway Lighting
16. Elmendorf Hospital Central Plant
17. State of Alaska Fort Richardson Fish Hatchery
18. Veterans Affairs Clinic, EAFB

The locations listed above are numbered to correspond with the numbered locations on Sheet No. 9.

N

Tariff Advice No.

Issued by:

Effective: **November 9, 2020**

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

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REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Geographical Areas of Retail Electric Service (Continued)

N

DESCRIPTION OF NORTH DISTRICT SERVICE AREA

Chronology of previous CPCN 121 certificate modifications:

Conditional Temporary Certificate:	12/31/70 (U-70-63 (1))
Original Certificate granted:	07/28/72 (U-70-063 (3)), 08/03/72 (U-70-063 (3E))
First Revision	09/27/73 (U-71-016 (19))
Second Revision	01/07/80 (U-71-016 (22))
Third Revision	08/27/84 (U-71-016 (37))
Fourth Revision	07/18/91 (U-90-006 (2))
Fifth Revision	10/31/91 (U-90-006 (2))
Sixth Revision	12/01/97 (U-97-104 (1))
Seventh Revision	05/21/01 (U-00-79 (7))
Eighth Revision	05/13/08 (U-07-160 (2))

N

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RULES AND REGULATIONS

1. AUTHORITY FOR RULES AND REGULATIONS

1.1 Adoption

These rules and regulations have been adopted by the Board of Directors of Chugach Electric Association, Inc. (hereinafter called “Chugach”) in accordance with Chugach's Articles of Incorporation and Bylaws and in accordance with the requirements of Federal, State, and other bodies having jurisdiction over Chugach.

No officer, agent, or employee of Chugach has the authority to waive, alter, or amend these rules and regulations.

Copies of the rules and regulations, together with the attached copies of the rate schedules, are available for inspection at Chugach's office at 5601 Electron Drive, Anchorage, Alaska during working hours.

Members may contact Chugach during regular business hours by calling 563-7494. In the event of an emergency situation involving electrical service, members may call Chugach's toll-free number during regular business hours at 800-478-7494. After hours or on weekends, members may call Chugach's Dispatch Center's toll-free number at 800-478-8560.

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2. NATURE OF SERVICES OFFERED

2.1 Electric Service

Chugach provides 60 cycle, alternating current, either single or three phase, at available standard voltages. Voltage, frequency, and wave form are regulated to conform to the standard practices of the industry.

Chugach shall construct, operate, and maintain the facilities necessary to deliver electrical energy to the point of receipt by the member, but Chugach will not be responsible for loss or damage caused by interruptions of service unless caused by Chugach's negligence.

2.2 Voltage

The standard practices of the industry regarding voltage, frequency and wave form referred to in Section 2.1 are as follows:

(a) Where available:

- 7,200 volts single phase
- 14,400 volts single phase
- 7,200/12,470 volts three phase 4-wire wye
- 14,400/24,900 volts three phase 4-wire wye

(b)

- 120/208 volts three phase 4-wire wye
- 277/480 volts three phase 4-wire wye
- 120/240 volts single phase
- 240/480 volts single phase

(c) For existing services on overhead system only:

- 120/240 volts three phase 4-wire delta
- 240/480 volts three phase 4-wire delta

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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Where the member's facilities are such that Chugach has reasonable assurance that the premises will take electric service permanently and continuously, and where unusually large expenditures by Chugach are not required in order to provide service (see Rule 8), Chugach will provide, at its own expense, the facilities necessary to serve the premises.

Where Chugach cannot be assured that the service will be used permanently and continuously, or where unusual expenditure by Chugach is required in order to furnish the service, facilities will be constructed only upon receipt of a contribution towards the cost of the facilities and a guarantee of continuous revenue from the service to the extent that may be deemed adequate by Chugach in order to justify its investment.

3.2 Temporary Service

When service is to be used for temporary purposes only, the utility may require the applicant to make a non-refundable payment sufficient to cover the cost of the installation and removal of the necessary facilities less the salvage value of materials returned to stock. The cost of installation and removal will include material, labor, equipment, payroll cost and overhead. These charges will be in addition to any required meter deposit and the energy customer and demand charges accumulated through the use of electric energy as determined pursuant to the applicable rate schedule.

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3.2 Temporary Service (Continued)

If Chugach requires a prepayment, Chugach will prepare an estimate, valid for 30 days, for the applicable installation and removal costs. Prior to the commencement of installation, the applicant shall submit an advance payment equal to the estimated cost and shall agree to pay up to 110% of the estimate, if the actual cost exceeds the estimate. If the actual cost is less than the estimate, Chugach will refund the excess to the applicant

Temporary service will not be provided for a period longer than 12 months unless, for good cause shown, Chugach approves an extension of time or unless an application has been made for permanent service.

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4. TECHNICAL PROVISIONS

4.1 Metering

(a) General

Electric energy and demand provided to the customer shall be determined by the registration of electric meters provided by Chugach. In cases where usage is fixed, Chugach may, at its option, elect to not meter the service but instead bill the member in accordance with the applicable rate schedule or by a special contract. If a meter in service is tested and found to have under-registered the amount of power delivered, Chugach will not charge the customer for the underbillings unless there is evidence of meter or electric service tampering by the customer.

(b) Multiple Metering Locations: Individual Metering Required

Each individual meter in a multiple metering installation shall serve only one dwelling unit or commercial/industrial space for facilities in which construction began after December 31, 1982, except as provided in (c) of this section.

For each individual meter in a multiple metering installation, the customer, developer, landlord or property manager is responsible for properly identifying the specific unit being served on each meter base or meter base socket, and providing notification to Chugach of any changes in labeling. Each meter base socket shall be clearly and permanently identified designating the specific location being served (condominium / apartment unit number, street address, suite number, etc.). All lettering and numbering shall be a minimum of 3/4 inch in height.

If Chugach becomes aware of a situation whereby two or more meters have been registering for a service location other than that on record with Chugach, corrected billings will occur with the current billing cycle and shall apply on a going-forward basis. Chugach shall not be responsible for any billing errors resulting from the improper identification or labeling of meter bases or meter base sockets.

Multiple metering locations include but are not limited to condominiums, apartment buildings, zero-lot line residences, trailer parks, malls, and commercial / industrial buildings.

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4. TECHNICAL PROVISIONS (Continued)

(c) Multiple Metering Locations: Individual Metering Not Required

Individual metering in a multiple metering installation is not required under the following conditions:

1. For transient multiple occupancy buildings and transient mobile home parks, including but not limited to, hotels, motels, dormitories, rooming houses, hospitals, nursing homes, and mobile home parks for travel trailers;
2. For commercial unit space which is subject to alteration with change in tenants as evidenced by temporary construction of non-load bearing wall and floor separating the commercial unit spaces;
3. Where alternative renewable energy resources are utilized in connection with central heating, ventilating, and air conditioning systems; and,
4. In common building areas such as hallways, elevators, reception areas, water pumping facilities and electric hookups for motor vehicles.

(d) Primary Metering

Any member who is served by primary metering shall be responsible for all costs beyond the meter point. All equipment located on the member's side of the meter shall be furnished, installed and maintained by the member.

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4.2 Tampering with Meters

Tampering with meters is prohibited by Chugach and theft of service is a criminal offense under Alaska Law (AS 11.46.200). AS 42.20.030 also provides a civil penalty of three times the value of the service received plus three times the actual damages for interfering with or altering a meter.

In addition to statutory penalties, a fee as set forth in the applicable Schedule of Fees will be charged to a member who breaks a seal without authorization or otherwise tampers with Chugach's facilities. In flagrant cases, electric utility service will be discontinued. (See Section 6.9). Authorization to break a meter seal will be given in appropriate cases on application.

4.3 Meter Testing

Except where a meter has been subject to tampering, it is very unlikely that it will register incorrectly.

Meters will be replaced and tested on application. If the meter does not over or under register by more than 2%, a charge as set forth in the applicable Schedule of Fees will be made to the member who requested the test.

When a meter in service is tested and found to have over-registered the amount of energy delivered by more than 2%, Chugach will recalculate the bills for service from the known date of error and will make a refund if the amount of adjustment exceeds \$5. If the beginning date of error is unknown, Chugach will refund the most recent member of record for the billed error for the period since the meter was last tested, not to exceed six months, or the period during which the most recent member of record received service through the meter, whichever period is shorter. Adjustments will be made in reference to 100% accuracy of the meter.

When a meter in service is tested and found to have under-registered the amount of the energy delivered, Chugach will not charge the member for the under billings unless there is evidence of meter or electric service tampering by the member.

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4.4 Load Characteristics

1. Non-Standard Tolerances

Where a member requires a degree of regulation of the characteristics of the electrical service greater than that normally furnished by Chugach under applicable codes and standards, the member shall be responsible for obtaining, owning, installing and maintaining the required regulating equipment.

2. Undesirable Customer Load Characteristics

Chugach may refuse or discontinue electric service to customers who operate equipment or devices that cause detrimental voltage fluctuations or produce harmonic distortion. As a condition of service, Chugach may require customers to install at their own expense equipment that will eliminate the undesirable load characteristic.

- a. Detrimental voltage fluctuations include, but are not limited to, 20 percent unbalanced load between phases, or cyclical demand fluctuations produced by the customer's equipment. Equipment or devices that cause detrimental voltage fluctuations include, but are not limited to, electric welders, large motors and arc furnaces.
- b. Equipment or devices that cause harmonic distortion, such as adjustable speed drives, electronic ballasts for fluorescent lighting, and switching power supplies for computers and electric vehicles, shall be filtered such that the distortion resulting from these devices is maintained within industry standards. Compliance with this requirement is by Chugach's measurement at the point of change of ownership between Chugach and the customer, otherwise known as "the point of delivery".

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4.5 Underground Locate Service

The terms and conditions for locate service are as follows:

1. Locate service is defined as a field visit to a requestor's excavation site where up to 330 continuous feet of underground cable or facilities are marked as well as field visits where no locate markings are made as a result of no facilities being present within the area of excavation.
2. For locates in excess of 330 continuous feet, additional locates are defined as follows:

331 to 660 feet	1 additional locate
661 to 990 feet	2 additional locates
991 to 1320 feet	3 additional locates

(Each additional 330 feet shall be equal to one additional locate.)
3. For a single requestor, Chugach will provide up to 30 locates per month without charge. Chugach will charge for locates that exceed the monthly allowances.
4. Except for emergency locate requests, an excavator shall request locate markings during normal business hours, not more than 15 business days and not less than two business days prior to the excavation date. Chugach may charge for locates that are requested to be completed in a time period that is less than two business days from the request date, or locates requested to be completed during non-Chugach work hours.

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4.5 Underground Locate Service (Continued)

5. Locates provided for any purpose other than excavation will be charged at cost. This includes locates requested to be completed more than 15 business days before the excavation date.
6. Chugach will not charge for emergency locates. Chugach may charge for locates that are requested for an emergency, but no emergency exists. Emergency locates are not included in the monthly allowance.
7. Chugach may charge for remarking facilities that previously have been marked for the same excavation project, if the original markings have not been maintained by the requestor.
8. Any locate charges assessed by Chugach will be made at cost.
9. In cases where a site meet locate is requested, Chugach will assume only the cost of a normal locate. The additional cost between a normal locate and a site meet locate is the responsibility of the requestor. For site meet locates, the additional payment and scheduling arrangements shall be between the requestor and the company performing the work.
10. Utilities providing more than 30 design or excavation locates per month to Chugach shall be given a credit on an hourly basis against any amount due under this section. Chugach will treat design and excavation locates on an equivalent basis for locates provided to and by other utilities.

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5. CONDITIONS OF SERVICE

5.1 Membership

Chugach is a non-profit electric cooperative corporation, and membership therein is a condition of receiving electric service. Individuals, singly and jointly, partnerships, associations, public and private corporations, and government units may become members by filling out an application and presenting sufficient identification. There is a non-refundable membership fee, as set forth in the applicable Schedule of Fees, payable at the time of application. A membership is not transferable.

5.2 Application for Service

Each applicant for service shall complete and sign Chugach's standard membership application form. Providing complete and accurate information on the form is a condition of service.

In the absence of a signed agreement or application for service, the supply of service by Chugach and its acceptance by the member shall constitute an agreement and acceptance of Chugach's policies, rules and regulations.

Service will be established to existing facilities within five (5) days of Chugach's receipt of a completed application. A connect fee will be charged for this service. This fee will be reduced if the applicant reads their meter and provides an accurate meter read within two work days of applying for service. The fee reduction will not be granted if an untimely or inaccurate meter read by the applicant mandates a visit to the applicant's premise by Chugach. Charges for service connection are set forth in the Schedule of Fees.

In the event an applicant requests establishment of service outside regular business hours, the applicant will be charged an after-hours hook-up charge as set forth in the applicable Schedule of Fees.

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5.2 Application for Service (Continued)

Where construction of a new or secondary service is required, Chugach will complete construction of an applicant's secondary service facility within five (5) Chugach working days following notice to Chugach that the applicant's service entrance equipment has been installed and passed inspection by the appropriate agency. If Chugach fails to complete construction by that date, due to the fault of Chugach or its contractors, Chugach will pay the applicant a performance guarantee payment as identified in Section 8.18. Such payments are the applicant's only remedy for Chugach's failure to complete construction in a timely manner. Chugach will not be responsible for damages from delay.

5.3 Transfer of Service

A member may have service transferred from one location within the Chugach service area to another by submitting new application information and paying a connect fee as set forth in the applicable Schedule of Fees. The connect fee will be reduced if the member reads the meter at the new location and provides an accurate meter read within two working days of requesting the transfer of service. The fee reduction will not be granted if an inaccurate or untimely meter read by the member mandates a visit to the member's premise by Chugach. The connect fee for transfer of service will be included in the next billing cycle.

5.4 Authorization

All orders concerning electrical service must be requested by the member, the member's attorney-in-fact, or the member's authorized agent. An officer or authorized representative may make orders on behalf of an association, corporation, or government unit. Joint members may act for each other.

5.5 Former Indebtedness

Chugach may refuse to extend service to an applicant who has an overdue account with Chugach for previous utility service until payment in full is made. This section applies to former members who apply for membership directly or through some agency or relationship.

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5.6 Easements

Chugach requires that easements providing a suitable right-of-way for distribution lines needed to reach the applicant's premises be executed prior to providing service. Chugach may also require new applicants, prior to receiving service, to execute additional specific easements where necessary for future or additional system extensions. Access to Chugach easements must be available at all times (See Section 5.10.).

5.7 Deposits

Chugach may require a separate deposit for each meter installed. Applicants may be required to pay a deposit when they apply for service. The amount will be determined by Chugach after consulting with the applicant. Under no circumstance will the deposit exceed two times the average monthly bill, as estimated by Chugach.

Chugach will pay the actual rate of interest earned on deposits for a single meter which total more than \$100.00. However, if delinquent payments result in interruption of service, Chugach will not pay interest on the deposit for twelve months after reestablishing service.

Chugach will waive or refund a deposit plus any accrued interest within ninety days if the applicant:

- (a) has previously established a good payment record with Chugach within the last three (3) years; or,
- (b) provides written verification from the electric utility which last provided comparable service stating that the applicant was not delinquent in payment for the last twelve consecutive months of service at the prior location.

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5.7 Deposits (Continued)

Chugach will refund deposits plus any accrued interest within thirty days after the earlier of:

- (a) Twelve months continuous service, if the member has not been past due in the payment of Chugach bills more than twice, and has not been delinquent in the last six months and is not past due at the time of review; or,
- (b) Termination of service, to the extent the amount held exceeds any balance due to Chugach for electric service, late fees, and finance charges.

Chugach will provide deferred payment deposit agreements for residential applicants where economic hardship is clearly demonstrated.

Chugach may institute or adjust a deposit for an established member who is delinquent in payment.

5.8 Inspections

Except in emergency situations, a new or modified service will not be connected until Chugach receives evidence that an inspection of the premises has been conducted by the appropriate authority to ensure compliance with minimum safety requirements of the National Electrical Code, the National Electric Safety Code and the Alaska General Safety Code. Any inspections performed by Chugach will be limited to the supply side of the service entrance equipment.

5.9 Installation and Accessibility of Chugach Property

Meters and the main point of disconnection will be installed on the outside of the building and to minimum Chugach service standards (which are available from Chugach). Members will be required, at the request of Chugach, to move meters to an outside installation at the member's expense.

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Consumers shall provide any properly identified employee of Chugach with unrestricted access to Chugach's property at all reasonable times for any purpose, including, but not limited to: reading meters, testing or inspecting members' load or equipment, repairing, removing, or replacing any equipment belonging to Chugach, and clearing access to Chugach property (i.e., pedestals, lines or transformers).

5.10 Protection of Chugach Property

Any equipment or devices furnished by Chugach shall remain its property and may be removed by Chugach at any time.

The member is responsible for the safekeeping of Chugach's property located on the member's premises. A member shall take all reasonable precautions against unlawful interference with that property and take all steps necessary to ensure access to that property is unimpaired.

5.11 Member Complaints

Member complaints should be directed to the manager of the appropriate department. Chugach will respond to the substance of each service complaint within 10 working days of its receipt. If the matter is not resolved to the member's satisfaction, the complaint will be directed to the appropriate division director and, if still unsatisfied, to the general manager. If the matter is still unresolved, the complaint will then be directed to the Chugach Board of Directors. Members may, however, appeal to the Regulatory Commission of Alaska at any time.

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5.12 Service Center

Chugach’s service center is located at 5601 Electron Drive, Anchorage, Alaska 99518-1081.

- Regular business hours are from 8:00 a.m. to 5:00 p.m., Monday through Friday.
- Night deposit available.
- Members with service questions may contact Chugach via e-mail at service@chugachelectric.com. Chugach’s website address is www.chugachelectric.com.

Chugach’s mailing address is P. O. Box 196300, Anchorage, Alaska 99519-6300.

Customers may contact Chugach at the following numbers:

Main Number	563-7494
Dial Toll Free (In Alaska)	800 478-7494
Customer Service	563-7366
Facsimile	762-4678
Credit & Collections	563-5060
Danger Tree Reporting	762-7227
Line Installation Information	762-4729
New Service-Line Installations – Line Extensions	762-4631
Easements	762-4355
Existing Service Line Modifications	762-7679
Service Inspections	762-7679
Locates	811
Power Outage Reporting	762-7888
Dial Toll Free (In Alaska)	800 478-7494
Hazards and Med-Alert	762-7890
Dial Toll Free (In Alaska)	800 478-7494
Power Theft Reporting	762-4731

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6. BILLING AND COLLECTIONS

6.1 Payment of Bills

Bills for electric service are due and payable immediately on the billing date shown on the bill. The billing date will not vary from the postmark date by more than 3 days.

Payments for service may be made by cash, check, debit or credit card through a variety of payment channels, including Chugach's website, Interactive Voice Response phone system, mail, or in-person at our office located at 5601 Electron Drive, Anchorage, Alaska 99518. Beginning March 1, 2018, Chugach will accept credit card payments without the customer paying a third party attendant transaction fee. A maximum of two credit card payments totaling no more than \$2,000 will be accepted within a 26 day period, per member account. A bill will be considered paid when the money is received by Chugach.

A member's failure to receive bills or notices which have been properly addressed and placed in the United States mail or delivered electronically will not prevent the bills from becoming past due or delinquent or excuse the member's responsibility for payment.

No member who tenders a non-sufficient funds check or other dishonored method of payment will be relieved of the obligation to pay Chugach under the original terms of the bill or be entitled to defer Chugach's right to disconnect service for non-payment of bills.

(a) Past Due Bills

Bills which are not paid in full within 25 days of the billing date will be considered past due unless the member enters into a deferred payment agreement with Chugach, in accordance with Section 6.2 of this tariff, within the 25-day period. A late payment fee, as set forth in the applicable Schedule of Fees, will be charged for all bills that become past due. All past due amounts as well as the late charge will be included and separately indicated on the following month's bill.

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(b) Delinquent Bills

All past due amounts and the associated late charge which are not received at the close of the following billing cycle will be considered delinquent unless, within that period, the member enters into a deferred payment agreement with Chugach. A member who is delinquent in payment is subject to disconnection under the procedures set out in Sections 6.9 and 6.10 of this tariff. In addition to the late charge, all past due amounts for Large General Service will accrue interest at the legal rate of interest consistent with AS45.45.010 from the date the bill became past due.

A member who has entered into a deferred payment agreement in accordance with Section 6.2 of this tariff will not be subject to disconnection for non-payment of the delinquent bill, as long as the member complies with the terms of the deferred payment agreement.

A member who has been disconnected for non-payment will only be reconnected if the member pays the amount due, plus a reconnection fee, and an additional deposit if required, or enters into a deferred payment agreement, if qualified to do so.

Chugach will charge a fee for the reconnection of service, during working hours and outside of working hours, as set forth in the applicable Schedule of Fees.

6.2 Deferred Payment Agreements

A residential member who is not able to pay the full amount of a bill for service or security deposit because of economic hardship may enter into a deferred payment agreement with Chugach. The member must pay one third of the bill, or more at the option of the member, at the time that agreement is made. The agreement must contain:

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6.2 Deferred Payment Agreements (Continued)

- (a) A stipulation that the member will pay future bills for service when they are due;
- (b) A stipulation that the member understands that failure to observe the terms of the agreement will result in disconnection of electric service pursuant to Section 6.10 (b) of this tariff, and the full amount of the bill plus all applicable fees and deposits becoming due and payable; and,
- (c) A schedule of monthly payments, not to exceed twelve months from the date of the agreement.

All deferred payment agreements must be in writing, and must be signed by the member and an authorized representative for Chugach.

All amounts outstanding under a deferred payment agreement shall accrue the legal rate of interest.

6.3 Multiple Signatories

When the application for service has been signed by two or more individuals, Chugach may collect the full amount of any bills for service from any one of the applicants.

6.4 Payment During Member's Absence

It is the responsibility of the member to make pre-payment or other satisfactory arrangements with the credit office if absence from the community or other reasons will preclude the timely payment of his or her account.

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6.5 Meter Reading and Estimated Billings

Chugach shall separately bill for each meter at a member's premises on a monthly basis.

Chugach will read each meter on a regular monthly or bimonthly schedule. The periods between meter readings will vary because of weekends, holidays and scheduling. No adjustment to billings will be made on account of such variations. Instead of reading a member's meter each month, Chugach may estimate the meter reading in alternate months. Billings based on estimated usage will be so identified. Adjustments to estimated use will be made when the next actual meter reading is obtained, normally in the next month. Chugach may bill based on estimated usage for two consecutive cycles if severe weather conditions prevent meter reading, or circumstances beyond Chugach's control make meter reading dangerous or not reasonably feasible.

6.6 Make-Up Bills

Except as provided for in 3 AAC 52.465, Chugach may render a "make-up" bill, without finance charge, for previously unbilled electric service as a result of a billing error by Chugach, or more than two consecutive estimated bills, subject to the following restrictions:

- (a) the initial make-up bill must be issued within 6 months of provision of the previously unbilled service; and,
- (b) the period of payment, at the option of the member, may extend at least as long as the period during which the excess amount accrued, or as long as necessary so that the amount of each bill is not greater than 150% of the normal estimated billing amount for that period.

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6.7 Level Pay Billing

(a) Eligibility

The Level Pay Plan is a voluntary billing option available to residential and small general service members who receive service at a location where 12 months of billing history is available, and whose account is not currently delinquent, unless the member has entered into a deferred payment agreement. Participants in the plan are subject to Chugach's rules and regulations expressed in this tariff. Members interested in signing up for the Level Pay Plan may contact Chugach's Member Services Department by sending a request to service@chugachelectric.com or by telephone at (907) 563-7366 or (800) 478-7494.

(b) Billing Amount

A member electing to participate in the Level Pay Plan will pay a monthly amount equal to the average of the total of the most recent 12 months' bills as of the date the Level Pay Plan billing amount is established. This monthly payment shall be made for 12 successive months. After 12 months a new Level Pay Plan billing amount will be calculated based on the average bill of the prior budget year less any over-recovery or plus any under-recovery from the prior year. Thus, any variance between actual and level pay bills is included in the calculation of the new level pay billing amount by spreading it over the 12 months in the new budget year. Upon request, at the time the new Level Pay Plan billing amount is established. Chugach will provide customers with a separate check representing any over-collected amounts.

(c) Adjustments to Billing Amount

The accounts of Level Pay Plan members will be reviewed periodically during the yearly billing cycle to compare actual bills with the budgeted amounts. If this review indicates a significant variation of actual billings versus anticipated, seasonally adjusted billings, Chugach will adjust the member's monthly level pay figure to bring the account into approximate balance by the last level pay bill in the cycle.

The monthly Level Pay Plan billing amount may be adjusted for changes in Chugach's base rates or fuel adjustment factors when such changes have, in the judgment of Chugach, a material impact on member bills.

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(d) Information on Member's Bills

The monthly bill of each Level Pay Plan member will contain the following additional information relevant to the plan:

2. Actual consumption (kWh);
3. Amount due for actual consumption;
4. Budget billing amount due; and
5. Accumulated variation in actual versus Level Pay Plan billing amount.

(e) Delinquency and Termination

If a member under the plan fails to pay the Level Pay Plan billing obligation in any month, including the settlement month, normal collection procedures will be followed, including disconnection of electric service, if necessary.

Members participating in the Level Pay Plan who terminate service will be removed from the plan and the entire outstanding amount for actual usage shall be due and payable on the member's final bill. Any credit balance owed the member will be credited to the final bill or refunded.

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(e) Delinquency and Termination (Continued)

Any member who terminates participation in the Level Pay Plan, but not service, will have any outstanding credit balance applied to their current bill. Any credit balance in excess of that credited to the next bill will be credited to future bills or refunded at the member's request.

An outstanding balance owed Chugach will be due on the member's current bill and subject to normal collection procedures.

(f) Disputes

Members who dispute the correctness of a bill shall notify Chugach and state reasoning in support of their position. Such notice shall not be sufficient reason to withhold payment of the undisputed portion of the bill. If a bill is found to be incorrect, Chugach will credit the amount of overpayment to the next bill rendered. Any amount due the member, in excess of that credited to the next bill, will be credited to future bills or will be refunded at the member's request.

6.8 Non-Sufficient Fund Balance Fee

Without waiving any rights under AS 09.65.115 to collect penalties, a non-sufficient fund balance fee as set forth in the applicable Schedule of Fees will be charged for dishonored checks, overdraft notices related to automated bank withdrawals, or non-sufficient fund balances associated with credit card charges. Any person who has been rendered two non-sufficient fund charges by Chugach within a twelve-month period may be denied the privilege of paying by that medium. Future payments will be required to be in cash or another medium of payment approved by the Manager of Credit and Collections.

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6.9 Disconnection of Service

(a) By Request

If a member, either in person or in writing, requests that service be disconnected, Chugach may hold that member responsible for all services up to the later of the date the disconnection is to be made or three working days after the date of the member request.

(b) Without Notice

Chugach may disconnect a member's service without advance written notice under the following conditions:

1. an immediate hazard exists which threatens the safety or health of the member, the general population or Chugach's personnel or facilities;
2. Chugach has evidence of meter tampering or fraud by the member; or,
3. a member has failed to comply with the curtailment procedures imposed by Chugach during emergency supply shortages.

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(c) **With Notice**

Chugach may disconnect, after having provided notice to the member as provided in Section 6.10 of this tariff, for any of the following reasons:

1. failure of the member to pay a delinquent account within 55 days after the initial rendering of the bill unless the member has entered into a deferred payment agreement;
2. failure of the member to meet or maintain Chugach's deposit requirements, unless the member has entered into a deferred deposit payment agreement;
3. knowing and continued failure of the member to provide Chugach with reasonable access to its meter, equipment, or property;
4. member breach of a special contract between Chugach and member for electric service;
5. necessity of Chugach to comply with an order of any governmental agency with proper jurisdiction;
6. where there is any installation which, in the opinion of Chugach, is injurious to the operation of Chugach's system or its service to other members; or,
7. continued use of temporary service for longer than 12 months, unless Chugach has approved the extension or an application for permanent service has been made (See Section 3.2).
8. the customer's operation of utilizing equipment is used in a manner that is detrimental to the service of Chugach or its other customers.

Chugach will restore service within 3 working days of correction of the conditions which resulted in the disconnection. Correction includes execution of a deferred payment agreement. The fee for reconnection during working hours and outside of working hours is set forth in the applicable Schedule of Fees.

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(d) Exceptions

Chugach will not disconnect service based on any of the following reasons:

1. delinquency in payment for services rendered to a prior member at the premises where service is being provided, unless the prior member continues to occupy the premises;
2. failure of the member to pay for services or equipment which are not regulated by the Regulatory Commission of Alaska;
3. non-payment of a bill related to another class of service at a different service location;
4. a member disputes the amount due on the delinquent account, complies with Chugach's tariffed rules on member bill disputes, and the dispute remains under investigation. However, a member shall pay all undisputed amounts, and Chugach may proceed under the terms of this tariff to disconnect service for failure to pay undisputed amounts; or,
5. the member is unable to pay the full delinquent amount due, qualifies under Chugach's tariffed eligibility requirements for deferred payment agreements, and is in compliance with a signed deferred payment agreement, or is in the process of a timely negotiation for such an agreement.

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6.10 Notice Requirements for Disconnection of Service

(a) First Notice

Chugach will mail to members a written form notice of its intent to disconnect service at least 15 days before the scheduled disconnection date, except when a member has failed to comply with a deferred payment agreement, or qualifies for immediate disconnection under Section 6.9 of this tariff.

1. when Chugach has prior knowledge that the residence is occupied by a person who is seriously ill, elderly, handicapped, or dependent on life support systems, Chugach will give at least 30 days written notice of disconnection. If Chugach is notified that such a person occupies the residence after issuing a 15-day disconnection notice, Chugach will extend the disconnection date another 15 days, and notify the member of the extension.
2. where Chugach knows that a landlord/tenant relationship exists and the premises are served by a master meter and the landlord is the member of Chugach, each tenant served through the meter will be given individual notice of the pending disconnection at least 15 days before it is scheduled to occur.
3. where Chugach knows that a landlord/tenant relationship exists and the premises are individually metered, and the landlord is the member of Chugach, the tenant or occupant will be notified in writing of the option of subscribing for service in his or her own name when the landlord has not corrected the situation which has made the premises subject to disconnection. Chugach may disconnect the service to the premises 15 days after the mailing of the notice, if the tenant or occupant fails to subscribe for service or arrange for payment of their previously outstanding balance, if any.

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(a) First Notice (Continued)

4. Where the tenant is the member of Chugach, the landlord will be notified in writing of the option of subscribing for the service provided at the tenant's premises when the tenant has not corrected the situation which has made the premises subject to disconnection. Chugach may disconnect service to the premises 15 days after the mailing of the notice, if the landlord fails to subscribe for service or arrange for payment of its previously outstanding balance, if any.

The notice will contain at a minimum the information required by applicable regulation. A copy of the notice will simultaneously be sent to any third party designated by the member on the service application.

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6.10 Notice Requirements for Disconnection of Service (Continued)

(b) Second Notice

At least three working days prior to disconnection, Chugach will attempt to contact the member either by telephone or by a visit to the member's premises. The "shut-off" notice or completed telephone call will provide the member with all information required by the applicable regulations.

1. Contact by Telephone

If the notice is given by telephone, Chugach will make reasonable attempts to contact the member. Contact by Interactive Voice Response (IVR) or similar technology may be utilized, so long as the member is provided the opportunity to reach a Chugach representative through this medium. At least three attempts will be made. Records will be kept of each attempt.

2. Field Contact

If notice is given by visits to the member's premises, a "shut-off" notice will be hand-delivered to the member or left in a prominent place if no contact is made. A field contact fee as set forth in the applicable Schedule of Fees will be charged for this visit.

3. Contact by Mail

If telephone contact cannot be made, a first class, postage-prepaid letter may serve as an alternative to a hand-delivered notice if the premises is located in a secured building or is inaccessible due to other circumstances, or if the member lives 25 or more miles from the office that delivers notices. If used, the letter will be mailed at least five days prior to disconnection of electric service.

Within 10 days of the date specified on the shut-off notice (on-site, telephone or U.S. Mail), Chugach may disconnect service to a member without further notice, between 8:00 a.m. on Monday to 5:00 p.m. on Thursday. Service will not be disconnected on a Friday or a day preceding a holiday.

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6.10 Notice Requirements for Disconnection of Service (Continued)

(c) Landlord/Tenant Collections

Chugach will not attempt to recover from a landlord amounts due Chugach from the tenant, or recover from a tenant amounts owed by the landlord, nor will payment of such amounts be a condition of extending service to the applicant. However, if the applicant owes an outstanding balance to Chugach for service to that service address, payment of this balance and all associated late charges, delinquent payment fees and finance charges will be required before service will be extended to the applicant, whether a landlord or a tenant. Chugach will require a deposit as set forth in Section 5.7.

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A member who prepaids electric service for a future twelve-month period will receive a credit to their bill. The credit amount is identified on Chugach's Schedule of Fees and Credits (Tariff Sheet No.75.1). The prepayment amount will be calculated by multiplying the average monthly bill at the location by twelve. The credit will be applied once payment is received. Any outstanding balance on the account must be paid prior to or with the prepayment. Service will continue to be delivered and paid for on an actual cost basis by monthly credits against the prepayment amount less the billing credit provided by Chugach. The actual period of prepayment will vary based on usage so that usage greater than projected will result in a shorter prepayment period while less usage than projected will result in a longer prepayment period. When the credit is reduced to zero, Chugach will begin billing monthly for service. If the member terminates service from Chugach, the unused credit will be refunded.

6.12 Electronic Bill Presentation (Paperless Billing)

A member may elect to receive the monthly electric bill for an account electronically and no longer receive paper bills for that account. Members that elect to participate in paperless billing for an account will receive a one-time credit to their bill for that account. The credit amount is identified on Chugach's Schedule of Fees and Credits (Tariff Sheet No. 75.1). The member may choose to discontinue paperless billing at any time. However, a member may not be provided more than one electronic billing credit for each account. Notices for termination of electric service for nonpayment will continue to be delivered by U.S. Mail.

6.13 Adjustment for Tax or Surcharge

The amount of any tax or surcharge imposed by Federal, State, Municipal or other governmental authority on the Association, or its revenue or income, that is not required to be recovered through a tariff approved by the Regulatory Commission of Alaska shall be apportioned to the locality in which such tax or surcharge is effective, and among the various classes of service furnished therein. Such amounts to be collected shall constitute an additional charge billed to members. Such taxes or surcharges shall be collected and administered consistent with the manner prescribed by the governing agency.

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7. RESALE OF ELECTRICITY

7.1 Sale of Electricity for Resale

- (a) A retail member shall not sell or otherwise provide electric service furnished by Chugach. This Rule does not prohibit a member from sub-metering for purposes of apportioning costs among tenants or other users.
- (b) Installations in existence and reselling power prior to February 2, 1973, may continue to resell electric service through existing metering under Chugach's standard rates applicable to the sub-metered premises until such time as the entire service is discontinued or the facilities are altered or upgraded.
- (c) This Rule does not prohibit a member from furnishing unmetered electric service to rental units not required to be individually metered under Section 4.1 where the cost of electricity is included in the rental charge.

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8. MODIFICATION TO AND EXTENSION OF DISTRIBUTION FACILITIES

8.1 Distribution Facility Extension Policy

Chugach will design and construct extensions of its distribution facilities under the terms and conditions set forth in Sections 8.2 - 8.8. Alternatively, an applicant for service may design and construct extensions to Chugach's distribution facilities under the terms and conditions set forth in Section 8.9. Extensions designed and constructed by Chugach or an applicant include: single residential, multiple residential, small and large general service, street lighting and signal systems. Distribution facility extensions include primary and secondary service as defined in Section 9.2 of this Tariff.

Chugach is committed to timely completion of its distribution facility extensions and where the commitment is not met, the applicant may be entitled to certain refunds as provided in Section 8.18.

Sections 8.10 - 8.16 are applicable to all facilities.

8.2 Chugach Procedures for Extension of Distribution Facilities

Chugach will design and construct extensions of distribution facilities when requested, upon receipt of the following:

- (a) Completed application form for line extension signed by applicant;
- (b) Engineering advance of \$100 per residential unit or \$300 per commercial unit. This advance will be applied to the costs of the completed project. If the project is canceled, any amount received from the applicant in excess of engineering and design costs incurred to the date of cancellation shall be refunded;
- (c) Recorded plat or preliminary plat which has the approval of the applicable governmental entity;

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8.2 Chugach Procedures for Extension of Distribution Facilities (Continued)

- (d) Final Site Plan, including existing and final grade with elevations;
- (e) Civil drawings or as-builts showing the location of any water, sewer, and gas facilities and the location of any street or parking lot lighting;
- (f) Any other information required for the particular type of extension involved, such as location of commercial signs, dumpsters and parking areas;
- (g) Municipality-approved landscape plan if applicable; and,
- (h) Any information that may be required to obtain permits necessary for the extension of facilities.

Chugach will complete the engineering process as quickly as is practical. Acquisition of rights-of-way and permits, if required, and any changes or omissions in the information supplied by the applicant may delay the engineering process.

8.3 Design Procedures for Extension of Distribution Facilities

Upon receipt of a request for the extension of a distribution facility in accordance with Section 8.2, Chugach will prepare a preliminary design, a cost estimate and right-of-way requirements.

Chugach will provide underground primary distribution systems or secondary service wherever required by local ordinance and in accordance with this tariff. In other areas, underground service, including secondary service from an overhead primary system, will be provided on request unless, in the opinion of Chugach, construction or maintenance is not feasible for technical or operational reasons.

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Applications for underground primary distribution systems and secondary service may be refused after August 31 of each year. For primary distribution facilities, where winter construction is requested or results from applicant delays, the applicant is responsible for paying the difference between winter and summer construction. Unused CCA credits cannot be applied towards this cost.

Where applications are received after August 31, secondary service may be available only with installation of service in corflo, to be replaced by underground service when conditions permit during the following construction season. Applicants must pay the non-refundable cost of the corflo for secondary service drop lengths in excess of the standard allowance as set forth in the Schedule of Fees. Corflo will not be installed across driveways, parking lots or areas where the corflo installation may be damaged by vehicles or other equipment or where the installation may present a safety consideration as determined by Chugach.

Upon completion of the preliminary design, cost estimate and right-of-way requirements, Chugach will meet with the applicant to review the preliminary cost estimate, design and right-of-way requirements. Applicant will be advised of possible cost reductions from use of trench by other utilities.

- (a) If the applicant approves the preliminary design, cost estimate and right-of-way requirements, the applicant will sign and date the preliminary design drawing and cost estimate and the project will be released for right-of-way acquisition and then final design.
- (b) If the applicant does not approve the preliminary design, Chugach and the applicant will attempt to resolve any problems. If a new design is required, a new cost estimate and right-of-way requirements may be required, possibly resulting in subsequent delays. A \$300 fee will be charged for a third design. Subsequent designs may, at Chugach's discretion, be contracted to a consulting engineer selected by Chugach. The applicant will be responsible for the cost of the consulting engineer.

ELECTRICITY

Chugach Electric Association, Inc.

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8.4 Construction Procedures for Extension of Distribution Facilities

After the completion of design, engineering and right-of-way and permit acquisition, the applicant must provide written authorization to Chugach to proceed. Chugach will schedule construction, at its discretion, by independent contractors or by Chugach's employees as set forth below.

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- Font and Format May Vary – Content is Identical****8.4 Construction Procedures for Extension of Distribution Facilities (Continued)****(a) Construction by Independent Contractors**

When construction will be done by an independent contractor, under contract to Chugach, for projects having an estimated contract value (estimated contractor labor and contractor material) of \$40,000 or more, competitive bids will be solicited and the applicant shall be informed of the bid date. Chugach will award the contract to the lowest qualified responsive and responsible bidder. For projects having an estimated contract value (estimated contractor labor and contractor material) of less than \$40,000, the contractor amount will be based on annually established unit prices as determined by a competitive bid process. Chugach will add a 35% engineering services and overhead charge to the cost of contractor labor and materials plus any Chugach furnished material to determine the construction advance to be furnished by the applicant. Bids are only binding for the time period specified in the invitation to bid, and notice to proceed must be given to the bidder within this period. If Chugach is required, at applicant's cause or request, to re-bid a project, the applicant will be assessed a \$500.00 re-bid fee.

(b) Construction by Chugach Employees

When construction will be done by Chugach employees, the applicant shall pay the estimated construction advance (including labor, permit fees, materials, etc.) less Chugach's contribution, if any. The cost estimate will include labor and materials, and a 35% engineering services and overhead charge. If the actual costs (including related overhead) are less than the estimate, the difference will be refunded. If the actual costs are greater than the estimate, the applicant shall be responsible for paying up to 110% of the estimate, providing that Chugach informs the applicant of the nature of the increase in writing. Chugach will pay any costs in excess of 110% of the estimate. However, the applicant shall be responsible for all costs above the estimate which are caused by the applicant's own action.

ELECTRICITY

Chugach Electric Association, Inc.

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8.4 Construction Procedures for Extension of Distribution Facilities (Continued)

(c) Prior to Start of Construction

Before construction will begin, the applicant must:

1. Sign the Basic Agreement to extend Electric Distribution Facilities and pay the construction advance within 10 days of the bid receipt;
2. Ensure that the construction site of the electrical facilities is at final grade based on elevations from a final site plan and free from any obstruction;
3. Ensure that rights-of-way and other necessary access routes and permits are available;
4. Ensure that all required survey control is in and marked including property corners;
5. Arrange at applicant's expense for any clearing and related removal that involves vegetation the applicant desires to be completely removed from the applicant furnished easement; and,
6. Arrange at applicant's expense for any clearing and related removal where the applicant furnished easement is subject to unusual constraints attributed to agency permitting or governing plats.

Failure by the applicant to complete these requirements will result in construction delays and possibly increase costs or cause cancellation of the project.

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8.4 Construction Procedures for Extension of Distribution Facilities (Continued)

(d) Completion of Construction

Except when special customer controlled circumstances or conditions beyond Chugach's control necessitate a longer period, Chugach will complete construction of an applicant's distribution facility by the date specified in the Basic Agreement to Extend Electric Distribution Facilities. The performance guarantee payments are the applicant's only remedy for Chugach's failure to complete construction in a timely manner; Chugach will not be responsible for damages from delay.

As provided in Section 8.18, the applicant may be entitled to certain refunds where Chugach's commitment to timely completion is not met.

Chugach will provide applicant with any credit due because of other utilities' use of trench within 60 days of completion of construction.

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8.5 Cost of Extension of Distribution Facilities

(a) Single Residential Primary Extension

Chugach will pay the cost of a distribution facility extension constructed by it or under its control up to the Chugach Credit Amount (CCA). No additional allowance will be made for the secondary service portion of the installation. The applicant is responsible for paying any additional costs in advance of construction.

Chugach offers payment plan options for individual homeowners who meet eligibility requirements. The applicant will be required to execute both a deed of trust as security and a written agreement in addition to any monthly payment for electric service. A three-year payment plan is available when applicant's line extension construction advance (net of CCA) is \$2,500 or less. A three-year or five-year payment plan is available for costs in excess of \$2,500. Under the "payment plan" option, Chugach will secure a limited title search for the applicant's property served by the line extension. The cost of the title search and the recording fee for the deed of trust must be paid by the applicant before construction.

All contracts so executed shall have a term of five (5) years.

If the applicant or member sells the residence while the contract is in effect, the member will be required to pay the outstanding balance in full at the time of sale. Alternatively, Chugach may permit the new owner to assume in writing the payment obligations of the contract.

The applicant is required to connect electric service within one year of completion of the line extension. Refunds for future service connections to the line extension are provided for in Sections 8.7 and 8.8 of this tariff.

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8.5 Cost of Extension of Distribution Facilities (Continued)

(b) Multiple Residential Primary Extension

Chugach will pay the cost of a distribution facility extension constructed by it or under its control up to the CCA per metered residential unit. No additional allowance will be made for the secondary service portion of the installation. The applicant is responsible for paying any remaining costs. The applicant must pay the costs in advance of construction. The applicant will warrant the feasibility of the extension as provided under Section 8.6 of this tariff.

No refunds under Section 8.7 and 8.8 will be given on costs of line extensions to subdivisions, mobile home parks, or multiple residential structures for extension of secondary service to the units which comprise the subdivision, park or structure.

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8.5 Cost of Extension of Distribution Facilities (Continued)

(c) Small and Large General Service Primary Extension

An applicant for small general service shall pay the entire cost of any distribution extension facilities in excess of the CCA per metered unit.

Except as provided by the CCA in Section 8.7 and Performance Guarantees in Section 8.18, no refunds will be made to applicants or members for small or large general service connects from this line extension.

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8.5 Cost of Extension of Distribution Facilities (Continued)

(d) Secondary Service

1. Residential Secondary Service

For secondary service of 200 amps or less, Chugach will provide direct buried service up to 100 feet in length on the applicant's property at no cost to the applicant, provided the installation is consistent with the National Electrical Safety Code and the Chugach requirement for the shortest direct route from the meter base to the Chugach pedestal or pole. Reasonable accommodation will be made for fixed obstructions such as drain fields, well casings, septic systems and retaining walls.

Direct buried service in excess of 100 feet, up to a maximum distance of 300 feet, will be billed at the rate listed in the Schedule of Fees directly to the party requesting service on the first electric bill after connection. This charge will be reduced by any amount billed other utilities for use of the secondary service trench in excess of 100 feet.

Secondary service in excess of 200 amps or secondary service lengths in excess of 300 feet require a site visit by a Chugach representative and prior agreement on meter base location and route of service to the Chugach facility.

Placement of the applicant's meter base at any location on the structure other than within 3 feet from the corner of the structure that is closest to the appropriate power source designated by Chugach requires the prior approval of Chugach by an authorized representative.

The CCA will not be used to offset any additional costs related to service over 100 feet or service initially installed in corflo.

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8.5 Cost of Extension of Distribution Facilities (Continued)

(d) Secondary Service (Continued)

2. Small and Large Commercial Secondary Service

Unused credits as defined in Section 8.5 (c) may be applied against the cost of extending commercial secondary service. Normal service connect fees are the responsibility of the applicant. Charges to small commercial applicants will be reduced by any amount billed other utilities for use of the secondary service trench. The length of commercial secondary service will be determined by load and system characteristics and site conditions.

3. Underground Secondary Services

Underground secondary services will not be installed under vehicle parking areas, private driveways or State and Municipal streets unless practical alternatives are not available.

4. Secondary Service Access

Applicants must clear and grub a ten-foot wide access corridor from Chugach's power source to the meter base by the most direct route. The appropriate power source will be designated by Chugach. Secondary services will not be installed if the slope of the trench between Chugach's power source (transformer or pedestal) and the service entrance (meter base) does not permit the safe operation of mechanical digging equipment. Any hand digging by Chugach is limited to the area immediately adjacent to the power source and the service entrance.

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8.5 Cost of Extension of Distribution Facilities (Continued)

(d) Secondary Service (Continued)

5. New or Upgraded Service Inspection

New or upgraded secondary service installations are subject to inspection and final approval in accordance with Chugach's tariffs and standards.

Initial inspection will be completed at no charge to the customer. Inspections after the initial inspection will be charged in accordance with Chugach's Schedule of Fees. It is the customer's responsibility to obtain and follow Chugach requirements and standards for electric service.

(e) Miscellaneous Service

Construction of services for minimal and/or discontinuous use including Federal, State, Municipal or School District load centers for street lights, thaw wires, signalization, bus shelters, and other like uses will be provided at no cost to the applicant, but will be limited to fifteen (15) feet in length, from the available power source identified by the utility.

Pre-approval by Chugach of the load center location is required. When approved by Chugach, the applicant will be responsible for the cost (payable in advance) of secondary service in excess of fifteen (15) feet. If the load center is not placed in a Chugach pre-approved location, Chugach may, at its discretion, require relocation of the load center to an approved location at the customer's expense.

Where the installation requires boring under roadways, trails or paths and/or the removal and replacement of concrete or pavement, the applicant will be responsible for these costs, regardless of service lengths.

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8.6 Feasibility

An applicant for a distribution facility line extension to a subdivision, mobile home park, or multiple residential structures shall demonstrate in writing that 35% of the lots or units will be permanently occupied within one (1) year after construction of the extension. An applicant for small or large general service shall demonstrate in writing that there will be a sufficient demand for service within one (1) year of construction to warrant building the extension.

If the applicant under this section is unable to demonstrate that the extension is economically feasible, the applicant may be required to execute a special contract guaranteeing that Chugach will recover 20% of its investment in the extension in revenues each year for five (5) years.

8.7 Chugach Credit Amount – Residential, Small and Large General Service

The Chugach Credit Amount (CCA) will be credited for each resulting metered unit that has been set up to receive service once the line extension has been completed. Application of this amount will be based on the number of meters to be served. However, excluding multi-occupancy structure installations, the CCA is limited to one credit per residential lot.

The Applicant/Developer will be entitled to Chugach Credit Amounts after: 1) the Applicant/Developer has commenced work (a demonstration that road, storm drainage, sewer and water improvements are underway and developer has entered into a subdivision agreement with the Municipality of Anchorage (MOA) or has a building permit issued by the MOA) on the phase of the development to be incorporated into the line extension agreement; and, 2) a line extension agreement has been signed and executed between Chugach and the Applicant/Developer. Once both conditions have been met, the then-applicable CCA shall be valid for determining Chugach's line extension contribution amount. In no event is Chugach liable for payment of any line extension credit amount unless and until these two conditions have been met.

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8.7 Chugach Credit Amount – Residential, Small and Large General Service (Continued)

(a) Residential Credit Amount

1. Single Residential Unit - For line extensions constructed by Chugach or its contractor, the maximum allowable CCA is \$1,550 for a single residential unit connected by a single-lot line extension. The applicant is responsible for any costs above the allowance.
2. Residential Multiple-lot or Occupancy Structures - For residential line extensions involving multiple-lot or multiple occupancy structures, Chugach will provide a CCA of 80% of the total project cost, or \$1,375 per lot or unit, whichever is less. Costs of any betterment Chugach completes concurrently are not included. “Unused” CCA credits cannot be applied to the applicant’s minimum 20% obligation or to any other project. The applicant will be entitled to 50% of the CCA at the time the applicant executes a design and construction agreement with Chugach. Upon final completion of the electrical facility installation, Chugach will refund the remaining CCA, subject to any deductions associated with electrical facility damage or loss of integrity attributed to actions under the direct or indirect control of the applicant.
3. Residential Applicant Built Projects – Chugach will provide a \$1,100 per lot credit for residential applicant built projects under Section 8.9, Applicant Design and Construction Procedure for Extension of Distribution Facilities. The credit amount will be reduced for services provided by Chugach, including such items as design reviews, right-of-way and permit acquisition assistance, Chugach furnished materials, inspection and regulatory established overhead.

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**8.7 Chugach Credit Amount – Residential, Small and Large General Service
(Continued)**

(b) Small General Service Credit Amount

For line extensions constructed by Chugach or its contractor, the maximum allowable CCA for small general service units is \$1,700. In no event will the CCA exceed the cost of the line extension.

Chugach will provide a \$1,200 per lot credit for small general service applicant built projects under Section 8.9, Applicant Design and Construction Procedure for Extension of Distribution Facilities. The credit amount will be reduced for services provided by Chugach, including such items as design reviews, right-of-way and permit acquisition assistance, Chugach furnished materials, inspection and regulatory established overhead.

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8.7 Chugach Credit Amount – Residential, Small and Large General Service (Continued)

(c) Large General Service Credit Amount

If the line extension is constructed by Chugach or its contractor, or for applicant built projects under Section 8.9, Applicant Design and Construction Procedure for Extension of Distribution Facilities, Chugach will credit the applicant the greater of the small general service CCA or \$100 per kilowatt of the applicant's estimated demand load (the Demand Basis Amount or DBA), calculated in accordance with the latest edition of the National Electrical Code (NEC) and certified in writing by a licensed electrical engineer registered in the State of Alaska. Where the \$100 per kilowatt credit method is utilized, the following shall apply:

1. If the line extension is designed and constructed by Chugach or its contractor, the applicant will be entitled to one half of the DBA as credit towards the installation in advance of the start of construction. After one year following the energization of the installation, Chugach will review the first full 12 months' demand history and if the average peak demand for the 12 month review period exceeds 50% of the original engineer's demand estimate, Chugach will further credit and refund the applicant an amount as follows:

Credit/refund =

$$[(\text{first 12 month average peak demand}) - (\text{original engineer's demand estimate})] \times \$100$$

2

The credit refund amount will not exceed 50% of the initial DBA as determined using the original engineer's demand estimate.

For those cases where the initial credit allowance is less than the amount allowed under CCA for Small General Service, the applicant may elect to take the Small General Service CCA and forgo any subsequent refund after the 12 month demand review period.

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(c) **Large General Service Credit Amount (Continued)**

2. If the line extension is designed and constructed by the applicant, the applicant will initially be entitled to one half of the DBA as credit towards the installation upon energization and Chugach acceptance of the project installation. This credit amount will be reduced for services provided by Chugach, including such items as materials, inspection and regulatory established overhead. After one year following the energization and Chugach acceptance of the installation, Chugach will review the first full 12 months' demand history and if the average peak demand for the 12 month review period exceeds 50% of the original engineer's demand estimate, Chugach will further credit and refund the applicant an amount as follows:

Credit/refund =

$$[(\text{first 12 month average peak demand}) - (\text{original engineer's demand estimate})] \times \$100$$

2

The credit refund amount will not exceed 50% of the initial DBA as determined using the original engineer's demand estimate.

(d) **Limitation on Applicant Construction Credit**

Chugach's financial contribution to applicant installed projects under Section 8.7 (a), (b) and (c) shall not exceed the amount Chugach estimates it would otherwise have actually contributed were the project to have been designed and constructed by Chugach on behalf of the applicant. Chugach's estimate shall be calculated using the same methodology (labor/equipment, materials, permitting, deposits and 35 percent overhead, and excluding the transformer) and computerized estimating system utilized when Chugach estimates projects installed on behalf of applicants.

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8.8 Refunds on Construction Advances

(a) Refunds for Subsequent Connections to a Single Residential Distribution Line Extension

If within five (5) years of construction of a distribution facility extension under Section 8.5(a), a new member applies for service from that facility, the original applicant will receive a refund equal to the Chugach Credit Amount defined in Section 8.7 of this tariff. Refunds will be processed within 90 days of the new member's connection.

Where the applicant has entered into a monthly payment plan agreement pursuant to Section 8.5(a), Chugach will adjust the monthly amount to reflect the member's refund.

The total amount refunded to a member or applicant may not exceed the amount of the original construction advance, and no interest will be paid on refunds.

Every year for five years following the construction of a distribution facility extension, Chugach will prepare a report that details the number of secondary service connections that have been made to the original distribution facility extension. Any member or applicant who has paid Chugach for construction of the distribution facility extension may request a copy of this report.

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(b) Refunds for Multiple Residential and Small and Large General Service Extensions

No refunds will be given on construction advances paid for distribution facility extensions to small or large subdivisions, small and large general service, mobile home parks, or multiple residential structures.

8.9 Applicant Design and Construction Procedure for Extension of Distribution Facilities

An applicant for service may elect to independently design and construct new primary and secondary service under the following conditions and understandings:

(a) Before Construction Begins:

1. The applicant must complete and sign an application for a new line extension request, indicating intent to design and construct facilities intended for ownership assumption by Chugach;
2. The applicant must execute an Applicant Design and Construction Agreement with Chugach;
3. All such facilities must be designed and have a final inspection conducted and certified by an Alaskan licensed professional engineer (electrical), who must stamp certify the plans and specifications as well as the asbuilts of completed construction. The design must comply with Chugach design, material, construction and operating standards and requirements as well as any applicable Municipal, City, Borough, State or Federal standards, codes or regulations including the National Electrical Code and the National Electrical Safety Code;

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8.9 Applicant Design and Construction Procedure for Extension of Distribution Facilities (Continued)

(a) Before Construction Begins: (Continued)

4. The applicant's engineer's electrical layout and related plans and specifications must have Chugach's written approval. Consistent with 8.7 (a), Chugach will determine the amount of the base credit the applicant is eligible for;
5. The applicant is responsible for obtaining the necessary permits and rights-of-way. However, at the applicant's expense, Chugach will aid the applicant in obtaining necessary permits and rights-of-way;
6. The applicant shall furnish a guarantee in the form of a performance bond, letter of credit, drawn upon a reputable financial institution, escrow account or cash advance as a warranty that the facilities:
 - a. Will be installed in a workmanlike manner and in accordance with the applicable design specifications;
 - b. Will perform satisfactorily for two (2) years after being energized; and,
 - c. Will be completed once construction has begun.

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8.9 Applicant Design and Construction Procedure for Extension of Distribution Facilities (Continued)

(a) Before Construction Begins: (Continued)

If repairs are required within a two-year period for reasons caused by the applicant or the applicant's contractors or subcontractors, Chugach will perform those repairs and be reimbursed by the performance bond, letter of credit, escrow account or cash advance.

Applicants may elect not to furnish a guarantee provided:

- a. That the applicant's electrical contractor's bonding agency is held to and bound to a Chugach project specifically; and,
 - b. That the applicant is willing to forego receipt of any CCA until the applicant's project passes the Chugach warranty period or alternatively the applicant may elect to demonstrate in writing that the electrical distribution improvements are guaranteed under the applicant's developer subdivision agreement with the governing authority (municipality, city or borough) for the amount of the estimated electrical distribution improvements for a period of equal to or greater than the Chugach warranty period.
7. The applicant shall provide proof of insurance including Chugach as "named insured"; and,
 8. The applicant is responsible for bid preparation and award of the construction work subject to the following:
 - a. The applicant shall notify Chugach as to the contractor selected to construct the facilities; and,
 - b. The applicant shall provide Chugach with notification prior to start of applicant's construction;

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8.9 Applicant Design and Construction Procedure for Extension of Distribution Facilities (Continued)

(b) During Construction:

1. All construction and materials must meet written Chugach standards and any other applicable codes and standards provided by law;
2. All facilities must be constructed under the direct supervision of an electrical administrator in that area of expertise who is licensed in the State of Alaska to perform as provided in AS 08.40.195 (Personal supervision) and 12 AAC 32.075 (Scope of an electrical administrator license in the unlimited linework category);
3. All employees engaged in Unlimited Line Work Category construction must have current certificates of fitness issued by the State of Alaska as provided in AS 18.62.010 (Certificate of fitness required);
4. All electrical facilities constructed will be subject to inspection by Chugach or a Chugach designated inspection contractor in the same manner as if Chugach were constructing the facilities. Chugach's inspection will be billed at cost that includes established overhead. The applicant must make any changes that are required to meet the design specifications and other applicable requirements.

No electrical facilities may be constructed in areas where subsequent non-related excavation, regrading or other activity will take place and said activity is directly or indirectly under the control of the applicant. Chugach may require the applicant to install electrical facilities in two or more phases to ensure the integrity of the new electrical facilities.

5. All applicants shall comply with the terms of any joint use agreements between Chugach and other utilities; and,

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8.9 Applicant Design and Construction Procedure for Extension of Distribution Facilities (Continued)

(b) During Construction: (Continued)

6. If the applicant elects to furnish all the material, it shall meet established Chugach materials standards. If the applicant elects to have Chugach provide all the material, excluding minor contractor furnished items such as cable markers, anchor bolts, inserts, tape, sealants, lubricants or other expendable materials, Chugach will deduct the cost of the material plus established overhead from the applicable CCA credits calculated under Section 8.7 (a). If the applicant fails to complete the facilities under the time frame set forth in the Design and Construction Agreement, the applicant will be billed for the cost of the Chugach furnished materials including the applicable overhead.

In no event may an applicant or its contractors or subcontractors work on energized Chugach facilities or energize new facilities constructed on behalf of Chugach. Any interface work required will be designed by Chugach and construction will be administered by Chugach as provided for in other sections of this tariff. All such work will be done at the applicant's expense, although the costs will be included in the calculation of the applicable CCA.

(c) After Construction:

1. The applicant must provide Chugach with a certified asbuilt survey of the installed facilities stamped by an Alaskan licensed registered surveyor including horizontal and vertical references, asbuilt plans stamped by an Alaskan licensed professional electrical engineer and asbuilt material lists prepared by an electrical administrator in that area of expertise who is licensed in the State of Alaska to perform under the Unlimited Line Work Category. Certification in a format acceptable to Chugach is required that certifies all contractors, subcontractors and material suppliers have been paid, and an accounting reconciliation of the applicant's labor and material costs directly attributed to the installed facility.

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8.9 Applicant Design and Construction Procedure for Extension of Distribution Facilities (Continued)

(c) After Construction (Continued):

2. Chugach will make a final inspection of the facilities within five (5) working days after the applicant gives Chugach written notice of project completion.
3. The applicant shall provide Chugach with any required written documentation where the applicant has secured permits or easements on behalf of Chugach and the facilities. Except where permits are issued in the name of the contractor to facilitate construction, all other permits or easement secured to establish placement right for the facilities shall be secured in the name of Chugach in a format consistent with Chugach business practices.

Once all of these steps are complete, Chugach will assume title to the facilities and responsibility for further maintenance, subject to the two (2) year warranty period above. Chugach will energize the facilities within five (5) working days after final inspection and acceptance of the facilities, or after receipt of applicant's written request for energizing. The applicant shall then be entitled to any applicable credits, subject to deductions for Chugach's cost of inspection and any materials furnished to the applicant, as provided for in Sections 8.7 and 8.9(b). Chugach may also retain all or part of the applicable credit where it has documented that new electrical distribution facilities are at risk of damage pending completion of applicant's drainage or site grading.

Subsequent hook-up credits will apply to single residential primary line extensions, pursuant to Section 8.8.

ELECTRICITY

Chugach Electric Association, Inc.

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8.10 Easements

All applicants for service must provide Chugach with all suitable easements or rights-of-way required for any portion of the extension which is on premises owned, leased or otherwise controlled by the applicant as may be necessary to provide services to the applicant or as may be reasonably required to provide service to adjacent properties. These easements and rights-of-way will be provided at no cost, without condemnation by Chugach, and in reasonable time to meet proposed service requirements. An applicant must also cooperate with Chugach in acquiring easements on others' property which are required to serve the applicant, and shall pay any costs of acquiring such easements. All easements or rights-of-way obtained on behalf of Chugach shall contain such terms and conditions as are acceptable to Chugach.

Chugach shall notify any person or contractor performing work or construction adjacent to or within an easement or right-of-way if said activity poses a hazard, violates applicable laws, or significantly interferes with Chugach's access to equipment. If the situation is not promptly corrected, Chugach will do so at said person or contractors expense.

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8.11 Facilities

All equipment and distribution facilities constructed under this tariff will become the property of Chugach. Chugach will be responsible for repair and maintenance.

8.12 Modification to Grade or Surface Conditions

If, after construction of distribution facilities, the final grade or surface conditions established by an applicant or a contractor or subcontractor engaged by the applicant is changed in such a way that it results in damage to Chugach's facilities, inaccessibility of the facilities, or if relocation of such facilities is required, the applicant will bear the non-refundable cost of any resulting relocation and/or repair. Individual residential requests for raising or lowering facilities are covered under the Schedule of Fees.

Chugach can withhold the provision of service until access and/or grade problems are resolved.

8.13 Street Lighting Systems

Either Chugach or applicants may construct residential subdivision street lighting systems and related facilities, subject to standards and specifications as prescribed by the governing agency. The applicant must pay the full cost of construction and installation, if required, as a non-refundable construction advance before construction and agree to pay the monthly billings for such service. Payment for street lighting systems must be assumed by the municipality, the state, or any other governmental entity.

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8.14 Modification of Existing Facilities

Chugach will modify existing distribution facilities on request if technically and operationally feasible, including relocating or removing existing facilities or converting overhead facilities to underground. The applicant must pay the cost, including engineering services and Chugach's audited overhead, of the modifications, conversions or removals, including the cost of retiring existing facilities, minus the actual salvage value, if any, of any materials recovered after deduction of the expense of returning them to Chugach's storage facilities. Individual residential requests for modifications may be covered under the Charges and Fees.

A) Written Agreement Required for Modification Requested by Property Owner

A modification of existing facilities will not be considered "operationally feasible" if its purpose is to move all or part of the facilities to the premises of another property owner, unless the latter agrees in writing to the modification.

B) Written Agreement Not Required for Modification Required by Public Agency

Where the modification is required by a public agency and all or part of the facilities are moved to the premises of another property owner, the public agency shall not be required to obtain written agreement for the modification.

8.15 System Improvements

A distribution facility extension may require changes or additions to existing Chugach facilities other than the facilities constructed for the applicant. The applicant is not responsible for the cost of system upgrade, which is incidentally the result of the applicant's addition to the system, so long as the applicant's load requirements are comparable to those in the area being served by the facilities requiring upgrade. If the system upgrade is required solely for the applicant's benefit, and the applicant's requirements are not comparable to those in the area affected, then it will be treated as a distribution facility extension.

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8.16 Existing Rights

The revision of Rule 8, effective as of the date set forth below, will be without prejudice to any right which may have vested pursuant to Rule 8 in effect prior to such revision, including the right to the refund of any construction costs paid, or part thereof.

8.17 Forms

Chugach shall use forms as are necessary and appropriate. A list and the location of these forms can be found in the Rules and Regulations Index of this tariff.

8.18 Performance Guarantees

Where Chugach or Chugach's contractor is unable to meet a scheduled commitment to design and/or construct a service or line extension due to circumstances under Chugach's or its contractor's reasonable control, the following will apply:

- (a) For Chugach delay in completing final design based on commitment to applicant as stated in the line extension application:
1. \$100 deposit refund per metered service for residential line extensions;
 2. \$100 deposit refund per lot for residential subdivision line extensions; or,
 3. \$300 deposit refund for small and large general line extensions.

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8.18 Performance Guarantees (Continued)

- (b) For Chugach or contractor delay in completing construction based on commitment to applicant as stated in the line extension agreement:
1. \$25/calendar day for delay in completing secondary service;
 2. \$25/calendar day for delay in completing single meter residential line extension;
 3. \$100/calendar day for delay in completing multiple meter residential line extension;
 4. \$100/calendar day for delay in completing residential subdivision line extension; or,
 5. \$150/calendar day for delay in completing small or large general service (commercial) line extension.
- (c) Included, but not limited to, are the following conditions upon which Chugach or its contractor may not have reasonable control for a project's design and construction:
1. Applicant failure to make line extension application in a timely manner and/or applicant failure to apply for secondary service in a timely manner;
 2. Post application changes initiated by the applicant;
 3. Failure of applicant to actively participate in process after line extension application is received;
 4. Failure of applicant to approve designs, estimates or bidding;
 5. Failure of applicant to have applicant's facilities ready for line extension or service;
 6. Failure of applicant to provide route access or suitable site conditions on applicant's property;
 7. Chugach's inability to secure easements from applicant or adjacent property owners;
 8. Chugach's inability to secure permits from Federal, State or Municipal agencies or native corporations;

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9. Chugach's inability to secure other approvals from Federal, State or Municipal agencies or native corporations;
10. Applicant or applicant electrician failure to secure Municipal approvals and permits;
11. Winter construction defined as September 15 through May 15;
12. Unknown site conditions not apparent to Chugach during design and/or start of construction or not disclosed by the applicant;
13. Labor disputes; or,
14. Acts of nature.

Completion means the service or line extension was energized or ready to be energized.

Individuals designated to be working on behalf of an applicant are considered to be the applicant where the above criteria apply. The incentive payments are the applicant's only remedy for Chugach's failure to complete construction in a timely manner; Chugach will not be responsible for damages from delay.

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9. RULES OF CONSTRUCTION AND DEFINITIONS

9.1 Rules of Construction

In the interpretation and construction of these rules, the following principles will apply:

- (a) Except where the text clearly indicates a contrary intention, the present tense includes the future tense, the singular includes the plural, and references are made without consideration of gender.
- (b) The words “shall” and “will” are used interchangeably and are always mandatory; the word “may” is permissive.
- (c) Any word or term commonly used in the electric utility industry will be given the meaning by which it is understood in such industry, unless specifically given another meaning in Section 9.2 Definitions.
- (d) Common and ordinary words will be understood to have been used in their commonly accepted meaning as reflected in a standard dictionary unless specifically given a meaning in Section 9.2 Definitions.

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9.2 Definitions

Amps (Amperes): this term refers to the amount of electrical current flowing in a line. The term is frequently used to describe the size of electrical equipment. A 200 amp service denotes a size capable of 200 amperes of current.

Applicant: a person, business or corporation who requests a form of service from the utility, under the terms and conditions of the tariff. An applicant may be or may not be the ultimate consumer of the electric service requested, and may or may not be a member of the Association.

Anchor: the buried element of a guy assembly that provides holding strength or resistance to guy wire pull.

Average Retail Demand: The number expressed in kilowatts and determined by dividing the total retail sales of the electric utility, measured in kilowatt-hours, for a calendar year with (A) 365 days, by 8,760 hours; (B) 366 days, by 8,784 hours.

Biomass Energy: Energy derived from plant matter, including trees, grasses, and agricultural crops; or animal matter, including fish.

Building: for the purposes of Rule 4, building is defined as a single erected structure roofed and enclosed within exterior walls, built for permanent use, framed of component structural parts and unified in its entirety both physically and in operation for residential or commercial occupancy.

Cable: insulated conductor used to transmit electrical energy, usually installed in an underground system. A cable may be designed for energization at secondary or primary voltage.

Commercial Unit: for the purposes of Rule 4, commercial unit means that portion of a commercial building or premise which is normally used for commercial purposes.

Conductor: a wire or cable, either overhead or underground which carries the electricity. Conductors may be insulated or uninsulated.

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9.2 Definitions (Continued)

Conduit: a structure containing one or more ducts through which conductor(s) (wire(s)) are pulled.

Connect: the energizing of a service by the installation of a meter or in some cases the transfer of accounts on some existing services.

Consumer-Generated Electric Energy: Electric energy that is generated by a customer eligible for participation in a net metering program.

Consumer Premises: All buildings and associated grounds owned by, leased by, rented to, or licensed to a consumer at a single location where an electric utility provides service through one or more utility meters.

Corflo: A normally black colored, plastic-like flexible conduit used for the temporary above ground installation of insulated secondary voltage cables and services.

Cycle: alternating current as utilized commercially changes polarity 60 times every second. Each 1/60 second is one cycle, or one complete change of polarity. Modern electrical systems maintain 60 cycles per second to a standard tolerance, to ensure that electric motors and other equipment will operate properly.

Damage: includes, but is not limited to, vandalism, broken glass or broken seals.

Demand: the maximum amount of power measured in kW in a 15 minute period which is required by a service. The demand upon which billing to a member is based is specified in Chugach's rate schedule or an applicable contract.

Disconnect: term used when electric service is physically disconnected or taken out of a member's name.

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9.2 Definitions (Continued)

Discontinuous Service: electric service provided on a discontinuous basis, such as for bus shelters, where service for lights and heat is required in the winter, but not the summer.

Distribution: facilities used to provide member service between the distribution substation and the member's service entrance. These facilities include overhead and underground primary and secondary voltage lines, transformers, services, and all other equipment owned by the utility as required for the service connection of consumers.

Distribution Lines: lines from substations to member's point of service, operating at relatively low voltage as compared with transmission lines.

District: See definitions of "North District" and "South District". Also refer to service area maps at Tariff Sheets 9 and 10 and Description of Service Area at Tariff Sheets 10.1 through 10.3. N
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Down Guy: a tension member having one end secured to a fixed object and the other end attached to a pole, cross arm, or other structural part that it supports.

Easement: a property right granted to Chugach which allows the utility to occupy or use space on private or public property for the purposes of installing and maintaining utility facilities. This includes permits.

Easement Vacation Request: a request for Chugach to review its current and future use of an easement for a possible vacation of any portion of the easement. A written justification will be provided for approval or disapproval.

Electrical Administrator: an individual who has been licensed under AS 08.40 by the State of Alaska to oversee the construction of outside electrical construction, such as construction of distribution facilities.

Eligible Consumer Generation System: A system that complies with 3 AAC 50.920.

Encroachment Agreement: a recorded agreement between Chugach and a Property Owner that identifies conditions that will allow the Property Owner to construct or maintain an encroachment within an easement.

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9.2 Definitions (Continued)

Equipment Package: A group of components connecting an electric generator to an electric utility's electric distribution system; "equipment package" includes all interface equipment and the interface equipment's controls, switchgear, inverter, and other interface devices.

Excavation: a) an activity in which earth, rock, or other material on or below the ground is moved or otherwise displaced by any means; b) road maintenance that changes the original road grade; c) demolition or movement of earth by equipment, tools, or explosive device except tilling of the soil less than 12 inches in depth for agricultural purposes.

Excess Consumer-Generated Electric Energy: The amount of consumer-generated electric energy in excess of the consumer's consumption from the eligible consumer generation system during a monthly billing period, as measured at the electric utility's meter.

External Disconnect Switch: A visible-break, lockable device used to isolate a consumer generation system from the utility electric system.

Geothermal Energy: Energy generated from heat stored in the earth, or the collection of absorbed heat derived from underground.

Grade Modification: change in elevation, either positive or negative, which affects the installation, operation, or maintenance of surface, subsurface or aerial facilities of the utility.

Guard Post: a concrete filled pipe.

Homeowner: an individual who is building or owns a single family dwelling intended for use as a residence.

Hydroelectric Energy: Energy generated from falling or flowing water.

Hydrokinetic Energy: Energy generated from waves or directly from the flow of water in ocean currents, tides, or inland waterways.

Independent Electric System: An electric system that is not interconnected with any other electric system.

Interest Charges: charges added to past due amounts owed by members and calculated in accordance with the legal rate of interest applicable to judgments.

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9.2 Definitions (Continued)

Inverter: A device that converts direct-current power into alternating-current power so that the generated power is compatible with power generated by an electric utility.

Joint Use: common use by more than one utility of an easement or common use by more than one utility of poles, trench, or other facilities.

Kilowatt (kW) (1,000 Watts): a unit for measuring electrical power indicating the rate at which electrical energy is being produced or being consumed.

Kilowatt Hour (kWh) (1,000 Watt Hours): a unit of electrical energy equal to the energy delivered by the flow of one kilowatt of electrical power for one hour. For example, a 100-watt bulb burning for 10 hours will consume one kilowatt-hour of energy.

Large General Service: type of service, over 20 kW, provided for the operation or maintaining of a business or other public, non-residential use as set forth in the applicable section of the tariff.

Line Extension: distribution power line extended to bring electric power to a consumer.

Load: the amount of electricity being drawn at any given time and measured in kW, or in amps.

Load Center: a point at which the meter base is located.

Locate: identifying the general location of underground lines, usually by electronic means, to allow for excavation near the buried facilities. An emergency locate is for conditions constituting a clear and present danger to life or property. A site meet for a locate is considered a special request and may be subject to charges at Chugach cost.

Member: a member is an individual, firm, organization, or other electric utility that purchases electric service.

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9.2 Definitions (Continued)

Meter: electrical device to measure the amount of electric energy and/or power demand used.

Meter Assembly (slang: meter loop): also called the service entrance, this is the equipment through which a member receives power. It includes a meter, main disconnects, meter base, and other necessary equipment.

Meter Base: part of the meter assembly, the electrical box that houses the meter and main disconnect breakers.

Mobile Home: a detached single-family dwelling designed for long-term human habitation, having complete living facilities, constructed and fabricated into a complete unit at a factory, and capable of being transported to the location of use on its own chassis and wheels.

Mobile Home Park: any parcel, or adjacent parcels of land in the same ownership, which is utilized for occupancy by more than two mobile homes, but not including tourist facilities for parking travel trailers or campers.

Multiple Occupancy Building: for the purposes of Rule 4, this is defined as a building which is designed to house more than one residential or commercial unit.

Nameplate Capacity: The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer.

Net Electric Energy: As metered by the electric utility for a specified period and expressed in kilowatt-hours,

- (A) the amount by which the quantity of electric energy supplied by the electric utility to the consumer exceeds the quantity of electric energy supplied by the consumer to the electric utility; or
- (B) the amount by which the quantity of electric energy supplied by the consumer to the electric utility exceeds the quantity of electric energy supplied by the electric utility to the consumer.

Net Metering: means measuring the amount of net electric energy as described in 3 AAC 50.930(a) for the applicable billing period.

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Chugach Electric Association, Inc.

9.2 Definitions (Continued)

Net Metering Program: A program administered by an electric utility that allows a consumer operating and either owning or leasing an eligible consumer generation system to
 (A) generate electric energy primarily for the consumer's own use;
 (B) supply consumer-generated electric energy to the electric utility; and
 (C) receive a credit under 3 AAC 50.930 if net metering results in excess consumer-generated electric energy during a billing period.

Non-Firm Power Rate: The rate updated quarterly in an electric utility's tariff in accordance with 3 AAC 50.770(d), or established in a commission-approved contract as described in 3 AAC 50.930(a)(2).

North District: That portion of the service area served under Certificate No. 121 which is generally bounded by Tudor Road to the south, the southern boundary of Joint Base Elmendorf Richardson (JBER) to the north, Boniface Parkway to the east, and Arctic Boulevard from Tudor Road to Northern Lights Boulevard to the west, by Forest Park Drive from Northern Lights Boulevard to the Knik Arm, and by the Knik Arm. The North District also includes retail electric utility service in portions of two sections of land adjacent to the George M. Sullivan Plant 2 near to the Glenn Highway, and to 17 individual locations on JBER and by contract, wholesale electric utility service to JBER. Also refer to service area maps at Tariff Sheets 9 and 10 and Description of Service Area at Tariff Sheets 10.1 through 10.3.

Ocean Thermal Energy: The conversion of energy arising from the temperature difference between warm surface water of oceans and cold deep-ocean current into electrical energy or other useful forms of energy.

Overhead: this term refers to electrical plant installed above ground on poles utilizing uninsulated conductors, and aerial mounted transformers.

Outdoor Area Lighting: a fixture, or fixtures, installed to illuminate private places and areas, including places and areas to which the public has access, but which are privately owned and controlled.

Overhead Charge: monies included in line extension costs for internal costs associated with design, administration and construction supervision.

Padmounted Switch Cabinet: electrical device which is used to switch or provide fused circuit protection in underground distribution.

Padmounted Transformer: a transformer housed in a grounded metal case, mounted on a pad, typically used in underground distribution.

Pedestal: point for secondary and/or service connections on an underground electrical system. Pedestals are sealed containers which house insulated terminal blocks for the connection of multiple secondary voltage conductors.

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9.2 Definitions (Continued)

Performance Bond: document issued by a recognized financial institution, in a form acceptable to the utility, which guarantees the performance of a contractor or electrical installation pursuant to certain terms and conditions.

Permanent Service: electrical service provided to a structure or facility which is likely to remain unchanged for a reasonable amount of time.

Platted Lot: subdivision of property for the purpose of providing a legal distinction, usually for the purpose of separate ownership. Where platted lots are unoccupied it is assumed that the use for purposes of this tariff will be single family residential regardless of the zoning of the property. Where platted lots are currently occupied the use will be as existing at the time of construction.

Power Factor: power factor is the ratio of real power (kW) to apparent power (kVA) for any given load and time. Generally, it is expressed as a percentage ratio.

Power Source: point from which the utility has agreed to provide service to a customer.

Preliminary Design: conceptual layout of the facilities required by an applicant for a line extension. The preliminary design provides the applicant with the scope of work, and preliminary cost of the facilities requested but does not establish the final design or cost estimate.

Primary: voltage designation for those facilities which constitute the higher voltage portion of the distribution system. This is the voltage at which electrical energy is transmitted between the distribution substation and the transformer which provides secondary voltage facilities for member use. Primary voltage is considered any voltage rated 600 volts or above but less than 34,500 volts.

Public Agency: United States government or the State of Alaska or any of their governmental subdivisions including local governments such as municipalities or cities.

Public Building: any structure which is the property of the United States, the State of Alaska, or any political subdivision of the State of Alaska.

Release of General Easement with Reservation of Specific Easement: A recorded document that defines the easement on a property affected by a general easement, while releasing all other interest on the property as it pertains to that particular general easement.

Retail Sales: Sales of electricity to the end-use consumer, exclusive of wholesale sales.

Request for Letters of Non-objection: a written agreement between Chugach and a property owner that identifies Chugach's interest, if any, in the property owner's activities within easement or rights-of-way on, or adjacent to the property owner's property.

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9.2 Definitions (Continued)

Residential (Single Family): facilities required to service a single family residence located on an individually platted lot.

Residential (Multiple Family): facilities required to provide service to multiple family residences such as duplexes or larger.

Residential Unit: for the purposes of Rule 4, this means one or more rooms for the use by one or more persons as a housekeeping unit which provides living, sleeping, cooking and sanitation accommodations.

Right-of-Way: see easement.

Riser: the vertical housed portion (usually pole attached) of the underground cable extending from ground level to minimum of 20 feet above ground level.

Secondary: voltage designation for those facilities which constitutes the lower voltage of the distribution system, generally below 600 volts.

Secondary Service: secondary facilities, generally below 600 volts, of the utility which are solely for the provision of electrical energy to a single service entrance, or lines which connect the system of the utility to the premises of a single member.

Service: primary or secondary facilities of the utility which are solely for the provision of electrical energy to a single service entrance, or lines which connect the system of the utility to the premises of a single member.

Service Area: territory in which Chugach is required to supply electric service to members under the terms of this tariff.

Service Upgrade: increasing the amperage size of service, for instance 100 amp to 200 amp.

Service Wire or Service Drop: the electric line from the transformer pole or lift pole to a meter assembly.

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Chugach Electric Association, Inc.

9.2 Definitions (Continued)

Single Phase: standard service for residences, two energized wires and one neutral wire providing 120/240 volt service.

Small General Service: type of service, 20 kW or under, provided for the operation or maintaining of a business or other public, non-residential use as set forth in the application section of the tariff.

Solar Photovoltaic Energy: The conversion of sunlight into electricity through a photovoltaic cell.

Solar Thermal Energy: A technology for harnessing solar energy for thermal energy.

South District: The service area served under Certificate No. 8 which includes that portion of N Anchorage south, east, and west of the North District, and that are also south and west of the JBER boundaries. The South District also provides electric utility service to Whittier, portions of the Kenai Peninsula Borough, including the communities of Hope, Moose Pass, Cooper Landing, Tyonek, and Beluga, and a portion of the Matanuska-Susitna Borough near the community of Beluga. Also refer to service area maps at Tariff Sheets 9 and 10 and Description of Service Area at Tariff Sheets 10.1 through 10.3. N

Street Lighting: fixtures, poles, and other facilities to provide illumination to public roads and streets within approved residential subdivisions.

Subdivision: a tract or parcel of land divided into two or more lots, sites, or other divisions pursuant to applicable law, for the purpose of sale, lease, or building development, including and re-subdivision or additions thereto, and, when the development thereof is for residential purposes, a planned unit development.

Submetering: remetering of purchased energy by a member for distribution to his tenants through privately owned or rented meters.

Surface: undisturbed level of the ground or the level of the ground at the time of installation of the electrical system.

Surface Modification: changes in surface conditions, such as landscaping, paving or curbs, which affect the installation and maintenance of surface, subsurface or aerial facilities of the utility.

ELECTRICITY

Chugach Electric Association, Inc.

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9.2 Definitions (Continued)

Switchgear: The combination of electrical disconnects, fuses, or circuit breakers used to (A) isolate electrical equipment; and (B) de-energize equipment to allow work to be performed.

System Improvements: changes or modification to the facilities of the utility necessitated by load growth or other changes for which the utility is responsible under the terms of this tariff.

Tariff: those regulations, rates, charges, and fees by which the electric utility provides services to its customers, as approved by the Regulatory Commission of Alaska.

Technically Feasible: an extension of distribution facilities will be considered technically feasible when it can be accomplished by conventional methods with no undue restraints on operations, and by use of conventional materials, as the same are known in the electric utility industry, and in accord with standard specifications and construction practices.

Temporary Service: electrical service provided for construction purposes.

Three Phase: the system configuration generally used for large general customers and utilized on main feeder lines. These lines usually involve four conductors.

ELECTRICITY

Chugach Electric Association, Inc.

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9.2 Definitions (Continued)

Transformer: electrical device which is used to effect a transformation of the primary to secondary voltage for use by the consumer.

Transformer Bank: two or three transformers mounted in one location to supply three phase voltage.

Underground: facilities which utilize buried insulated cables, pedestals, and padmounted transformers instead of aerial pole lines.

Utility Rate Structure: a utility's approved schedules of charges for billing utility service rendered to various classes of its customers.

Voltage: electrical potential to transfer electric energy through a conductor.

RCA No.: 8 17th Revision Sheet No. 73

Canceling

16th Revision Sheet No. 73

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

SCHEDULE OF SPECIAL CONTRACTS

The following is a listing pursuant to 3 AAC 48.370(26) of all special contracts to which Chugach is a party:

1. Agreement for the Sale and Purchase of Electric Power and Energy between Chugach Electric Association, Inc., and the City of Seward, effective May 31, 2006 through December 31, 2011; extended through December 31, 2021, with amendments one and two.
2. Second Amendment to the Isolated Operating Agreement for Government-Owned Emergency Generation Facilities between Chugach Electric Association, Inc., and the Anchorage School District, effective January 1, 2018 through December 31, 2027.
3. Gas Dispatch Agreement between Chugach Electric Association, Inc. and Matanuska Electric Association, Inc. effective April 1, 2016 through March 31, 2017; extended through March 31, 2023, with amendments one through four.
4. Amended and Restated Operations Agreement for Power Pooling and Joint Dispatch by and Between Chugach Electric Association, Inc. and Matanuska Electric Association, Inc., dated August 07, 2020. N
N

Tariff Advice No.: 491-8

Effective: **November 2, 2020**

Issued by: Chugach Electric Association, Inc.
P.O. Box 196300, Anchorage, Alaska 99519-6300

By: 
Lee D. Thibert

Title: Chief Executive Officer

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
- Font and Format May Vary – Content is Identical****SCHEDULE OF NATURAL GAS TRANSACTION CONFIRMATIONS****Gas Sale and Purchase Agreement between Chugach and Cook Inlet Energy, LLC**

- 1) Non-Firm Gas Transaction Confirmations: Provides for interruptible gas purchases of up to 10,000 Mcf per day for the April 1, 2014 through March 31, 2023 period at the following contractual prices:

Contract Period	Price
4/1/2014 – 12/31/2014	\$6.12
1/1/2015 – 12/31/2015	\$6.24
1/1/2016 – 12/31/2016	\$6.37
1/1/2017 – 12/31/2017	\$6.49
1/1/2018 – 12/31/2018	\$6.62
1/1/2019 – 12/31/2019	\$6.76
1/1/2020 – 12/31/2020	\$6.89
1/1/2021 – 12/31/2021	\$7.03
1/1/2022 – 12/31/2022	\$7.17
1/1/2023 – 03/31/2023	\$7.31

Gas Sale and Purchase Agreement between Chugach and AIX Energy, LLC

- 1) Agreement between Chugach and AIX Energy, LLC allows for natural gas purchases by Chugach from AIX Energy from March 1, 2015 through February 29, 2016 at a price to be determined at the time of the sale.

Contract Period	Price
6/25/2015 – 9/30/2015	\$5.60
8/29/2015 – 12/31/2015	\$6.00
12/2/2016 – 2/28/2017	\$6.37

Gas Sale And Purchase Agreement between Aurora Gas, LLC and Chugach

- 1) Agreement allows for gas purchases by Chugach from Aurora for natural gas purchases of up to 300,000 Mcf at a price not to exceed \$6.24 per Mcf between October 1, 2015 and September 30, 2016.

Contract Period	Price
10/01/2015 – 12/31/2015	\$6.00

RCA No.: 8 1st Sheet No. 73.6

Canceling

Original Sheet No. 73.6

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

SCHEDULE OF NATURAL GAS TRANSACTION CONFIRMATIONS (Continued)

Gas Sale and Purchase Agreement between Furie Alaska, LLC and Chugach Electric Association, Inc.

- 1) Agreement between Chugach and Furie Alaska, LLC allows for interruptible natural gas purchases by Chugach from Furie Alaska, LLC from January 1, 2017 through March 31, 2033 at a price to be determined at the time of sale.

<u>Contract Period</u>	<u>Price</u>
5/1/2017 – 9/30/2017	\$6.45
3/12/2018 – 3/31/2018	\$6.30
9/4/2019 – 10/31/2019	\$6.55
5/1/2020 – 6/15/2020	\$6.85

N

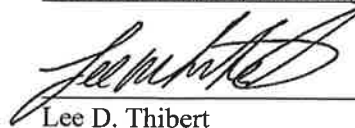
Pursuant to U-19-085(20)/U-19-091(19)/U-20-071(2)

Tariff Advice No.: 496-8

Effective: October 1, 2020

Issued by: Chugach Electric Association, Inc.
P.O. Box 196300, Anchorage, Alaska 99519-6300

By:



Lee D. Thibert

Title: Chief Executive Officer

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SCHEDULE OF CHARGES, FEES AND CREDITS

Member Services Fees and Credits

- 1. Membership Fee.....\$5.00
- 2. Meter Deposits for Residential, Small and Large General Service
(not to exceed two times the estimated monthly bill) Varies
- 3. Connect Fee, New Services or Transfers of Service
 - a) During Office Hours\$20.00
 - b) During Office Hours (member self read, does not apply to
demand metered accounts)\$11.00
 - c) Outside Office Hours\$69.00
 - d) Call-Out Connect\$363.00
- 4. Late Payment Fee
 - a) Large General Service.....\$3.00
(plus a finance charge of 0.875% on past due amount)
 - b) All Other Retail Classes.....\$3.00
- 5. Field Contact Fee\$10.00
- 6. Non-Sufficient Fund Balance Fee.....\$17.00

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SCHEDULE OF CHARGES, FEES AND CREDITS (Continued)

Member Services Fees and Credits (Continued)

- 7. Reconnect of Delinquent Account
 - a) During Office Hours \$41.00
 - b) Outside Office Hours \$87.00
 - c) Call-Out Reconnect..... \$372.00

- 8. Meter Tampering and/or Unauthorized Breaking of Meter Seal \$200.00

- 9. Meter Test Fee
 - a) Residential/Small Commercial \$30.00
 - b) Large Commercial \$50.00

- 10. Call-Out Trouble Call for Consumer’s Facilities \$100.00

- 11. Billing credit for the annual prepayment of electric bill \$25.00
(credit applied annually)

- 12. Billing credit (one-time) for transition to paperless (email) billing \$5.00

- 13. Charges for materials and services that have not been specifically provided in this tariff will be made at cost.

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SCHEDULE OF CHARGES AND FEES (Continued)

Land Services Fees

1. Encroachment Permit *	\$280.00
2. Conversion from Unrecorded Agreement to Recordable Permit *	\$75.00
3. Release of General Easement with Reservation of Specific Easement *	\$55.00
4. Request for Letter of Non-Objection for Occupied Platted Easement or Existing Facilities in Public Right of Way	\$70.00
5. Easement Vacation Request *	\$280.00
6. Survey, if needed **	\$260.00
7. Plat Copies	\$3.00
8. Mapbook Copies	
a) Small Size (8 ½ x 11)	\$1.00
b) Medium Size (11 x 17)	\$2.00
c) 200 Scale (24 x 30)	\$3.00
9. Easement Copies	\$1.00
10. Specialty “Property Interest” Maps	\$2.00

* Recording fees are additional and will be charged at cost.

** Additional charges, in accordance with Rule 4.5, Underground Locate Service, may be assessed for locate service.

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SCHEDULE OF CHARGES AND FEES (Continued)

Distribution Services Fees

A. Raising or Lowering of Facilities

- 1. Secondary Pedestal \$960.00
- 2. Single Phase Padmounted Transformer \$2,305
- 3. Three Phase Padmounted Transformer Chugach Cost ¹
- 4. Single Phase Junction Cabinet Chugach Cost ¹
- 5. Three Phase Junction Cabinet Chugach Cost ¹
- 6. Switching Cabinet Chugach Cost ¹
- 7. Metal Street Light \$1,155.00
- 8. Primary and Secondary Cable Chugach Cost ¹

B. Special Service Installations

- 1. Secondary Service Inspections (New or Upgrade Service)
 - a) Initial Inspection No Charge
 - b) Per Inspection Charge, Other Than Initial Inspection \$160.00

¹ Refer to Section 8.14, "Modification to Existing Facilities".

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SCHEDULE OF CHARGES AND FEES (Continued)

B. Special Service Installations (Continued)

- 2. New Underground Residential Service, Over 100 Ft.
 (applies to direct burial installation only)
 - Single Use Trench - Chugach Only
 - a) Installation Without Temporary Corflo Placement.....\$13.10/Ft.
 - b) Installation Requiring Temporary Corflo Placement.....\$18.40/Ft.
 - Joint Use Trench – Two Party Installations ¹
 - c) Installation Without Temporary Corflo Placement.....\$11.80/Ft.
 - d) Installation Requiring Temporary Corflo Placement.....\$17.10/Ft.
 - Joint Use Trench – Three Party Installations ¹
 - e) Installation Without Temporary Corflo Placement.....\$11.60/Ft.
 - f) Installation Requiring Temporary Corflo Placement.....\$16.90/Ft.
- 3. New Overhead Residential Service, Over 100 Ft.\$4.40/Ft.
- 4. Residential Service Conversion, Overhead to Underground ²
 (applies to direct burial installation only)
 - a) Conductor and Trenching\$13.10/Ft.
 - b) Service Disconnect / Reconnect \$500.00
 - c) Secondary Riser, if Required..... \$1,460.00
- 5. Relocate Residential Overhead Service Attachment ² \$500.00
- 6. Residential Service Pole..... \$1,270.00
- 7. Guard Post for Padmounted Transformer or Switch Cabinet \$1,145.00
- 8. Down Guy Relocation, per Anchor..... \$1,225.00

C. Application Fee for Non-Utility Generation Interconnection (Class A & B)

- 1. Application Fee for Non-Utility Generation Interconnection, per Application \$200.00

¹ Available only when contributions are made from joint use party.

² If a residential service is being upgraded in conjunction with the service work and must be replaced, the service replacement cost will be discounted at 50% but the discount shall not exceed \$1,550 (the value of the single-family residential distribution line extension credit).

ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA**Font and Format May Vary - Content is Identical****OUTDOOR AREA LIGHTING SERVICE
INSTALLATION ON EXISTING WOOD POLES**

(Schedule Nos.: 89, 91, 93, 95; OEW-045 through OEW-090)

Available for photoelectric controlled "dusk-to-dawn" residential and commercial outdoor area lighting on existing Chugach wood poles where service can be supplied from secondary overhead distribution facilities and where Chugach installs, owns, maintains and operates the complete lighting installation. This schedule is not applicable for lighting of public streets, highways or other public right-of-ways.

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
High Pressure Sodium Lamps		
Schedule 89	150-Watt lamp	\$35.38
Schedule 91	175-Watt lamp	\$36.47
Schedule 93	250-Watt lamp	\$39.60
Schedule 95	400-Watt lamp	\$46.02
Light Emitting Diode (LED) Lamps		
Schedule OEW-045	40.01 to 45.0-watt lamp	\$30.80
Schedule OEW-050	45.01 to 50.0-watt lamp	\$31.03
Schedule OEW-055	50.01 to 55.0-watt lamp	\$31.21
Schedule OEW-060	55.01 to 60.0-watt lamp	\$31.42
Schedule OEW-065	60.01 to 65.0-watt lamp	\$31.64
Schedule OEW-070	65.01 to 70.0-watt lamp	\$31.84
Schedule OEW-075	70.01 to 75.0-watt lamp	\$32.08
Schedule OEW-080	75.01 to 80.0-watt lamp	\$32.31
Schedule OEW-085	80.01 to 85.0-watt lamp	\$32.51
Schedule OEW-090	85.01 to 90.0-watt lamp	\$32.72

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**OUTDOOR AREA LIGHTING SERVICE
INSTALLATION ON EXISTING WOOD POLES (CONTINUED)**

(Schedule Nos.: OEW-095 through OEW-150)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule OEW-095	90.01 to 95.0-watt lamp	\$32.91
Schedule OEW-100	95.01 to 100.0-watt lamp	\$33.13
Schedule OEW-105	100.01 to 105.0-watt lamp	\$33.34
Schedule OEW-110	105.01 to 110.0-watt lamp	\$33.56
Schedule OEW-115	110.01 to 115.0-watt lamp	\$33.78
Schedule OEW-120	115.01 to 120.0-watt lamp	\$33.99
Schedule OEW-125	120.01 to 125.0-watt lamp	\$34.18
Schedule OEW-130	125.01 to 130.0-watt lamp	\$34.39
Schedule OEW-135	130.01 to 135.0-watt lamp	\$34.63
Schedule OEW-140	135.01 to 140.0-watt lamp	\$34.84
Schedule OEW-145	140.01 to 145.0-watt lamp	\$35.06
Schedule OEW-150	145.01 to 150.0-watt lamp	\$35.25

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**OUTDOOR AREA LIGHTING SERVICE
INSTALLATION ON EXISTING WOOD POLES (CONTINUED)**

(Schedule Nos.: OEW-155 through OEW-215)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule OEW-155	150.01 to 155.0-watt lamp	\$35.47
Schedule OEW-160	155.01 to 160.0-watt lamp	\$35.67
Schedule OEW-165	160.01 to 165.0-watt lamp	\$35.89
Schedule OEW-170	165.01 to 170.0-watt lamp	\$36.10
Schedule OEW-175	170.01 to 175.0-watt lamp	\$36.31
Schedule OEW-180	175.01 to 180.0-watt lamp	\$36.51
Schedule OEW-185	180.01 to 185.0-watt lamp	\$36.74
Schedule OEW-190	185.01 to 190.0-watt lamp	\$36.94
Schedule OEW-195	190.01 to 195.0-watt lamp	\$37.17
Schedule OEW-200	195.01 to 200.0-watt lamp	\$37.36
Schedule OEW-205	200.01 to 205.0-watt lamp	\$37.58
Schedule OEW-210	205.01 to 210.0-watt lamp	\$37.79
Schedule OEW-215	210.01 to 215.0-watt lamp	\$38.01

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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**OUTDOOR AREA LIGHTING SERVICE
INSTALLATION ON NEW WOOD POLES (CONTINUED)**

(Schedule Nos.: 90, 92, 94, 96; ONW-045 through ONW-090)

Available for photoelectric controlled "dusk-to-dawn" residential and commercial outdoor area lighting on new wood poles where service can be supplied from secondary overhead distribution facilities and where Chugach installs, owns, maintains and operates the complete lighting installation. This schedule is not applicable for lighting of public streets, highways or other public right-of-ways.

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
High Pressure Sodium Lamps		
Schedule 90	150-Watt lamp	\$48.63
Schedule 92	175-Watt lamp	\$49.71
Schedule 94	250-Watt lamp	\$52.86
Schedule 96	400-Watt lamp	\$59.28
Light Emitting Diode (LED) Lamps		
Schedule ONW-045	40.01 to 45.0-watt lamp	\$44.03
Schedule ONW-050	45.01 to 50.0-watt lamp	\$44.26
Schedule ONW-055	50.01 to 55.0-watt lamp	\$44.47
Schedule ONW-060	55.01 to 60.0-watt lamp	\$44.66
Schedule ONW-065	60.01 to 65.0-watt lamp	\$44.90
Schedule ONW-070	65.01 to 70.0-watt lamp	\$45.12
Schedule ONW-075	70.01 to 75.0-watt lamp	\$45.32
Schedule ONW-080	75.01 to 80.0-watt lamp	\$45.52
Schedule ONW-085	80.01 to 85.0-watt lamp	\$45.72
Schedule ONW-090	85.01 to 90.0-watt lamp	\$45.96

ELECTRICITY

Chugach Electric Association, Inc.

ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA

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OUTDOOR AREA LIGHTING SERVICE
INSTALLATION ON NEW WOOD POLES

(Schedule Nos.: ONW-095 through ONW-150)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule ONW-095	90.01 to 95.0-watt lamp	\$46.18
Schedule ONW-100	95.01 to 100.0-watt lamp	\$46.38
Schedule ONW-105	100.01 to 105.0-watt lamp	\$46.59
Schedule ONW-110	105.01 to 110.0-watt lamp	\$46.81
Schedule ONW-115	110.01 to 115.0-watt lamp	\$47.02
Schedule ONW-120	115.01 to 120.0-watt lamp	\$47.22
Schedule ONW-125	120.01 to 125.0-watt lamp	\$47.43
Schedule ONW-130	125.01 to 130.0-watt lamp	\$47.65
Schedule ONW-135	130.01 to 135.0-watt lamp	\$47.87
Schedule ONW-140	135.01 to 140.0-watt lamp	\$48.06
Schedule ONW-145	140.01 to 145.0-watt lamp	\$48.27
Schedule ONW-150	145.01 to 150.0-watt lamp	\$48.47

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**OUTDOOR AREA LIGHTING SERVICE
INSTALLATION ON NEW WOOD POLES (CONTINUED)**

(Schedule Nos.: ONW-155 through ONW-215)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule ONW-155	150.01 to 155.0-watt lamp	\$48.70
Schedule ONW-160	155.01 to 160.0-watt lamp	\$48.91
Schedule ONW-165	160.01 to 165.0-watt lamp	\$49.13
Schedule ONW-170	165.01 to 170.0-watt lamp	\$49.33
Schedule ONW-175	170.01 to 175.0-watt lamp	\$49.55
Schedule ONW-180	175.01 to 180.0-watt lamp	\$49.76
Schedule ONW-185	180.01 to 185.0-watt lamp	\$49.97
Schedule ONW-190	185.01 to 190.0-watt lamp	\$50.18
Schedule ONW-195	190.01 to 195.0-watt lamp	\$50.40
Schedule ONW-200	195.01 to 200.0-watt lamp	\$50.61
Schedule ONW-205	200.01 to 205.0-watt lamp	\$50.83
Schedule ONW-210	205.01 to 210.0-watt lamp	\$51.03
Schedule ONW-215	210.01 to 215.0-watt lamp	\$51.25

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

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OUTDOOR AREA LIGHTING SERVICE (Continued)

Conditions

1. Service is subject to Chugach's Rates, Rules and Regulations Governing the Provision of Electric Service.
2. Installation of lighting service may require the extension of Chugach's primary distribution facilities as identified in Rule 8, Modification to and Extension of Distribution facilities, in the operating tariff.
3. Installation or maintenance replacement will be limited to lamp fixtures of standard design as determined by Chugach. Chugach may subsequently adopt another or different design to reflect improved technology, lower cost and other similar considerations.
4. This schedule is not applicable to street or highway lighting or multiple-fixture installations for the lighting of parking lots, shopping centers, schools, parks, streets, subdivisions and other public locations.
5. Lamp fixtures will be installed on an existing wood pole, or on a wood pole installed for this purpose, at such location as the applicant therefore may designate. Chugach will not install lighting fixtures on buildings, poles or other structures not owned and maintained by Chugach. All installations must conform to applicable codes and prudent utility practices, and must not exceed twice the average cost of such installations.
6. Upon approval, Chugach will install security lights on metal or steel poles, or poles of a material other than wood, from secondary underground facilities of suitable phase and voltage provided the customer pays the difference between the installed cost of a non-standard security light pole and the installed cost of the standard wood pole.
7. The customer may elect to pay all installation costs and receive Outdoor Area Lighting service at the existing pole rate.
8. Hours of operation shall be from dusk to dawn, approximating a lighting period of 4,200 hours per year. Per unit charges for high pressure sodium lighting installations reflect combined usage of the ballast and bulb for each fixture.
9. Chugach will no longer furnish or install 175-watt lighting fixtures. Chugach will continue to provide service and maintenance of these structures. Existing 175-watt lighting fixtures that fail will be replaced with 150-watt fixtures.

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**STREET LIGHTS
INSTALLATION ON EXISTING WOOD POLES**

(Schedule Nos.: 60, 62, 64; SEW-045 through SEW-090)

Available for photoelectric controlled "dusk-to-dawn" public street lighting for illumination of roads, streets and other public right-of-ways on existing Chugach wood poles where service can be supplied from secondary overhead distribution facilities and where Chugach installs, owns, maintains and operates the complete lighting installation.

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
High Pressure Sodium Lamps		
Schedule 60	150-Watt lamp	\$35.38
Schedule 62	250-Watt lamp	\$39.60
Schedule 64	400-Watt lamp	\$46.02
Light Emitting Diode (LED) Lamps		
Schedule SEW-045	40.01 to 45.0-watt lamp	\$30.80
Schedule SEW-050	45.01 to 50.0-watt lamp	\$31.03
Schedule SEW-055	50.01 to 55.0-watt lamp	\$31.21
Schedule SEW-060	55.01 to 60.0-watt lamp	\$31.44
Schedule SEW-065	60.01 to 65.0-watt lamp	\$31.64
Schedule SEW-070	65.01 to 70.0-watt lamp	\$31.87
Schedule SEW-075	70.01 to 75.0-watt lamp	\$32.08
Schedule SEW-080	75.01 to 80.0-watt lamp	\$32.30
Schedule SEW-085	80.01 to 85.0-watt lamp	\$32.50
Schedule SEW-090	85.01 to 90.0-watt lamp	\$32.72

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STREET LIGHTS
INSTALLATION ON EXISTING WOOD POLES (CONTINUED)

(Schedule Nos.: SEW-095 through SEW-150)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule SEW-095	90.01 to 95.0-watt lamp	\$32.91
Schedule SEW-100	95.01 to 100.0-watt lamp	\$33.13
Schedule SEW-105	100.01 to 105.0-watt lamp	\$33.34
Schedule SEW-110	105.01 to 110.0-watt lamp	\$33.56
Schedule SEW-115	110.01 to 115.0-watt lamp	\$33.78
Schedule SEW-120	115.01 to 120.0-watt lamp	\$33.99
Schedule SEW-125	120.01 to 125.0-watt lamp	\$34.18
Schedule SEW-130	125.01 to 130.0-watt lamp	\$34.39
Schedule SEW-135	130.01 to 135.0-watt lamp	\$34.63
Schedule SEW-140	135.01 to 140.0-watt lamp	\$34.84
Schedule SEW-145	140.01 to 145.0-watt lamp	\$35.06
Schedule SEW-150	145.01 to 150.0-watt lamp	\$35.25

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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INSTALLATION ON EXISTING WOOD POLES (CONTINUED)**

(Schedule Nos.: SEW-155 through SEW-215)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule SEW-155	150.01 to 155.0-watt lamp	\$35.47
Schedule SEW-160	155.01 to 160.0-watt lamp	\$35.67
Schedule SEW-165	160.01 to 165.0-watt lamp	\$35.90
Schedule SEW-170	165.01 to 170.0-watt lamp	\$36.10
Schedule SEW-175	170.01 to 175.0-watt lamp	\$36.30
Schedule SEW-180	175.01 to 180.0-watt lamp	\$36.51
Schedule SEW-185	180.01 to 185.0-watt lamp	\$36.73
Schedule SEW-190	185.01 to 190.0-watt lamp	\$36.94
Schedule SEW-195	190.01 to 195.0-watt lamp	\$37.17
Schedule SEW-200	195.01 to 200.0-watt lamp	\$37.36
Schedule SEW-205	200.01 to 205.0-watt lamp	\$37.59
Schedule SEW-210	205.01 to 210.0-watt lamp	\$37.79
Schedule SEW-215	210.01 to 215.0-watt lamp	\$38.01

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
Font and Format May Vary - Content is Identical**

**STREET LIGHTS
INSTALLATION ON NEW WOOD POLES**

(Schedule Nos.: 61, 63, 65; SNW-045 through SNW-090)

Available for photoelectric controlled "dusk-to-dawn" public street lighting for illumination of roads, streets and other public right-of-ways on existing Chugach wood poles where service can be supplied from secondary overhead distribution facilities and where Chugach installs, owns, maintains and operates the complete lighting installation.

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
High Pressure Sodium Lamps		
Schedule 61	150-Watt lamp	\$48.63
Schedule 63	250-Watt lamp	\$52.85
Schedule 65	400-Watt lamp	\$59.28
Light Emitting Diode (LED) Lamps		
Schedule SNW-045	40.01 to 45.0-watt lamp	\$44.03
Schedule SNW-050	45.01 to 50.0-watt lamp	\$44.26
Schedule SNW-055	50.01 to 55.0-watt lamp	\$44.46
Schedule SNW-060	55.01 to 60.0-watt lamp	\$44.67
Schedule SNW-065	60.01 to 65.0-watt lamp	\$44.90
Schedule SNW-070	65.01 to 70.0-watt lamp	\$45.12
Schedule SNW-075	70.01 to 75.0-watt lamp	\$45.33
Schedule SNW-080	75.01 to 80.0-watt lamp	\$45.52
Schedule SNW-085	80.01 to 85.0-watt lamp	\$45.74
Schedule SNW-090	85.01 to 90.0-watt lamp	\$45.96

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STREET LIGHTS
INSTALLATION ON NEW WOOD POLES (CONTINUED)

(Schedule Nos.: SNW-095 through SNW-150)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule SNW-095	90.01 to 95.0-watt lamp	\$46.18
Schedule SNW-100	95.01 to 100.0-watt lamp	\$46.38
Schedule SNW-105	100.01 to 105.0-watt lamp	\$46.59
Schedule SNW-110	105.01 to 110.0-watt lamp	\$46.81
Schedule SNW-115	110.01 to 115.0-watt lamp	\$47.02
Schedule SNW-120	115.01 to 120.0-watt lamp	\$47.22
Schedule SNW-125	120.01 to 125.0-watt lamp	\$47.43
Schedule SNW-130	125.01 to 130.0-watt lamp	\$47.65
Schedule SNW-135	130.01 to 135.0-watt lamp	\$47.87
Schedule SNW-140	135.01 to 140.0-watt lamp	\$48.06
Schedule SNW-145	140.01 to 145.0-watt lamp	\$48.27
Schedule SNW-150	145.01 to 150.0-watt lamp	\$48.47

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**STREET LIGHTS
INSTALLATION ON NEW WOOD POLES (CONTINUED)**

(Schedule Nos.: SNW-155 through SNW-215)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule SNW-155	150.01 to 155.0-watt lamp	\$48.70
Schedule SNW-160	155.01 to 160.0-watt lamp	\$48.91
Schedule SNW-165	160.01 to 165.0-watt lamp	\$49.13
Schedule SNW-170	165.01 to 170.0-watt lamp	\$49.33
Schedule SNW-175	170.01 to 175.0-watt lamp	\$49.55
Schedule SNW-180	175.01 to 180.0-watt lamp	\$49.76
Schedule SNW-185	180.01 to 185.0-watt lamp	\$49.97
Schedule SNW-190	185.01 to 190.0-watt lamp	\$50.18
Schedule SNW-195	190.01 to 195.0-watt lamp	\$50.40
Schedule SNW-200	195.01 to 200.0-watt lamp	\$50.61
Schedule SNW-205	200.01 to 205.0-watt lamp	\$50.83
Schedule SNW-210	205.01 to 210.0-watt lamp	\$51.03
Schedule SNW-215	210.01 to 215.0-watt lamp	\$51.25

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
Font and Format May Vary - Content is Identical****STREET LIGHTS
INSTALLATION ON NEW STEEL, METAL
AND NON-WOOD POLES**

(Schedule Nos.: 70, 71, and 72; SNS-045 through SNS-090)

Available for photoelectric controlled "dusk-to-dawn" public street lighting for illumination of roads, streets and other public right-of-ways installed on poles made of steel, metal, or a material other than wood, where service can be supplied from secondary underground distribution facilities and where Chugach installs, owns, maintains, and operates the complete lighting installation. Customers receiving service under this tariff pay all initial capital costs of the installation, including pole and fixtures.

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
High Pressure Sodium Lamps		
Schedule 70	150-Watt lamp	\$22.77
Schedule 71	250-Watt lamp	\$26.99
Schedule 72	400-Watt lamp	\$33.34
Light Emitting Diode (LED) Lamps		
Schedule SNS-045	40.01 to 45.0-watt lamp	\$18.20
Schedule SNS-050	45.01 to 50.0-watt lamp	\$18.41
Schedule SNS-055	50.01 to 55.0-watt lamp	\$18.59
Schedule SNS-060	55.01 to 60.0-watt lamp	\$18.80
Schedule SNS-065	60.01 to 65.0-watt lamp	\$19.03
Schedule SNS-070	65.01 to 70.0-watt lamp	\$19.25
Schedule SNS-075	70.01 to 75.0-watt lamp	\$19.46
Schedule SNS-080	75.01 to 80.0-watt lamp	\$19.66
Schedule SNS-085	80.01 to 85.0-watt lamp	\$19.88
Schedule SNS-090	85.01 to 90.0-watt lamp	\$20.09

ELECTRICITY

Chugach Electric Association, Inc.

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**STREET LIGHTS
INSTALLATION ON NEW STEEL, METAL
AND NON-WOOD POLES (CONTINUED)**

(Schedule Nos.: SNS-095 through SNS-150)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule SNS-095	90.01 to 95.0-watt lamp	\$20.31
Schedule SNS-100	95.01 to 100.0-watt lamp	\$20.51
Schedule SNS-105	100.01 to 105.0-watt lamp	\$20.71
Schedule SNS-110	105.01 to 110.0-watt lamp	\$20.95
Schedule SNS-115	110.01 to 115.0-watt lamp	\$21.16
Schedule SNS-120	115.01 to 120.0-watt lamp	\$21.36
Schedule SNS-125	120.01 to 125.0-watt lamp	\$21.57
Schedule SNS-130	125.01 to 130.0-watt lamp	\$21.78
Schedule SNS-135	130.01 to 135.0-watt lamp	\$22.01
Schedule SNS-140	135.01 to 140.0-watt lamp	\$22.21
Schedule SNS-145	140.01 to 145.0-watt lamp	\$22.42
Schedule SNS-150	145.01 to 150.0-watt lamp	\$22.63

ELECTRICITY

Chugach Electric Association, Inc.

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**STREET LIGHTS
INSTALLATION ON NEW STEEL, METAL
AND NON-WOOD POLES (CONTINUED)**

(Schedule Nos.: SNS-155 through SNS-215)

Monthly Rates

<u>Rate Schedule</u>	<u>Operating Wattage</u>	<u>Per Fixture Charge</u>
Light Emitting Diode (LED) Lamps		
Schedule SNS-155	150.01 to 155.0-watt lamp	\$22.86
Schedule SNS-160	155.01 to 160.0-watt lamp	\$23.04
Schedule SNS-165	160.01 to 165.0-watt lamp	\$23.26
Schedule SNS-170	165.01 to 170.0-watt lamp	\$23.46
Schedule SNS-175	170.01 to 175.0-watt lamp	\$23.69
Schedule SNS-180	175.01 to 180.0-watt lamp	\$23.89
Schedule SNS-185	180.01 to 185.0-watt lamp	\$24.12
Schedule SNS-190	185.01 to 190.0-watt lamp	\$24.32
Schedule SNS-195	190.01 to 195.0-watt lamp	\$24.54
Schedule SNS-200	195.01 to 200.0-watt lamp	\$24.74
Schedule SNS-205	200.01 to 205.0-watt lamp	\$24.97
Schedule SNS-210	205.01 to 210.0-watt lamp	\$25.17
Schedule SNS-215	210.01 to 215.0-watt lamp	\$25.40

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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STREET LIGHTS (Continued)

Conditions: Street Lights

1. Service subject to Chugach's Rates, Rules and Regulations Governing the Provision of Electric Service.
2. Installation of lighting service may require the extension of Chugach's primary distribution facilities as identified in Rule 8, Modification to and Extension of Distribution facilities, in the operating tariff.
3. Chugach's street lighting tariffs are not applicable to the lighting of residential, commercial or other non-governmental locations.
4. Installation or maintenance replacement will be limited to lamps of standard design as determined by Chugach. Chugach may subsequently adopt another or different design to reflect improved technology, lower cost and other relevant considerations.
5. Chugach will install non-standard facilities pursuant to a special contract that will describe:
 - (a) Installation of facilities requested by the applicant;
 - (b) Placement of responsibility for maintenance thereof;
 - (c) Payment for installation as provided in Rule 8, Modification to and Extension of Distribution facilities; and,
 - (d) Other pertinent terms and conditions.
6. Chugach and governmental entities may agree to transfer street lighting ownership to the governmental entity. Upon transfer, maintenance responsibility will reside with the governmental entity and service will be provided at the applicable commercial rate schedule.
7. All special contracts made hereunder will be filed with the Regulatory Commission of Alaska and will be subject to amendments or revisions as may be necessary to comply with Chugach's tariff on file with the Commission, as the same may be revised from time to time pursuant to Commission authorization, or otherwise to conform to Commission orders.

ELECTRICITY

Chugach Electric Association, Inc.

**R.C.A. Tariff No. 8
Sheet 83, 4th Revision
Canceling Sheet 83, 3rd Revision**

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STREET LIGHTS (Continued)

Conditions: Street Lights

9. Chugach will not install lighting fixtures on buildings, poles or other structures not owned and maintained by Chugach. All installations must conform to applicable codes and prudent utility practices, and must not exceed twice the average cost of such installations.
10. Hours of operation shall be from dusk to dawn, approximating a lighting period of 4,200 hours per year.

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RESIDENTIAL SERVICE

Available for customary and ordinary residential use and incidental domestic power. Nominal voltage is 120 volts and 120/240 volts, single-phase.

Monthly Rates

Customer Charge: \$8.00 per Month

Energy Charge: \$0.13508 per kWh

Conditions:

1. Above service provided subject to Chugach rules and regulations.
2. These schedules are restricted to service used exclusively for general domestic and household purposes, as distinguished from commercial, industrial and other uses.
3. These schedules apply only to single family dwellings and other separately metered dwelling units.
4. These schedules will be applied to each meter at point of delivery and in no event will meter readings be combined.

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

ELECTRICITY

Chugach Electric Association, Inc.

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ELECTRICITY**Chugach Electric Association, Inc.****ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
Font and Format May Vary - Content is Identical****SMALL GENERAL SERVICE
(Not Exceeding 20 kW)**

Available for general commercial use. Nominal voltage shall be 120/240 or any other user voltage available.

Monthly Rates

Customer Charge: \$17.00 per Month

Energy Charge: \$0.09670 per kWh

Conditions:

1. Above service provided subject to Chugach rules and regulations.
2. This schedule applies to general lighting, incidental power and other services, including services provided to utility and corridor areas in apartment and condominium complexes and small cell attachments installed. It is not applicable to separately metered residential dwelling units or resale service.
3. This schedule will be applied to each meter at point of delivery, as appropriate, and in no event will meter readings be combined.
4. Chugach shall provide a demand meter for a member when their monthly maximum demand is estimated to be in excess of 20kW. All members with maximum 15-minute integrated demands in excess of 20 kW will be billed under the Large General Service rate schedule.

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

Tariff Advice No.: 484-8

Issued by:

Effective: May 1, 2020

Chugach Electric Association, Inc.

P.O. Box 196300

Anchorage, AK 99519-6300

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**LARGE GENERAL SERVICE - SECONDARY VOLTAGE
(Over 20 kW)**

Available for general purposes at 120/240 volts, single-phase; 120, 240, 480, 120/208, 2,300/4,160 and 7,200/12,470 volts, three-phase where service is provided at secondary voltage.

Monthly Rates

Customer Charge:	\$55.00	per Month
Demand Charge: All kW of Billing Demand at	\$21.98	per kW
Energy Charge:	\$0.04775	per kWh

Billing Demand

The billing demand shall be the average kW supplied during the 15-minute period of maximum use during the month.

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

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**LARGE GENERAL SERVICE - PRIMARY VOLTAGE
(Over 20 kW)**

Available for general purposes at three-phase primary voltage available at the customer location.

Monthly Rates

Customer Charge:	\$55.00	per Month
Demand Charge: All kW of Billing Demand at	\$22.73	per kW
Energy Charge:	\$0.04964	per kWh

Billing Demand

The billing demand shall be the average kW supplied during the 15-minute period of maximum use during the month.

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

ELECTRICITY

Chugach Electric Association, Inc.

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LARGE GENERAL SERVICE FOR SECONDARY AND PRIMARY VOLTAGE

Conditions

1. Service is provided subject to Chugach rules and regulations.
2. This schedule applies to general lighting, power and other services. It is not applicable to separately metered residential dwelling units or resale service.
3. The maximum demand will be measured by a meter or indicator furnished and installed by Chugach on a meter base furnished and installed by the member. A member whose maximum demand has not exceeded 20 kW during the past 6 months may elect to receive service under the Small General Service schedule.
4. The member will make a reasonable effort to maintain unity power factor. Demand charges will be adjusted for members with 50 kW or more of measured demand to correct for average power factors lower than 90% and may be similarly adjusted for other members as Chugach deems necessary. Such adjustments will be made by increasing the measured demand 1% for each 1% by which the average power factor is less than 90% lagging.
5. The member may elect to receive service under Chugach's Large General Service – Primary Voltage rate schedule under any one of the following arrangements affecting transformation and metering:
 - (a) Where equipment is furnished by Chugach and the applicant has received service on the primary side of the transformer prior to January 27, 1984. Any existing customer under this paragraph, requesting an equipment modification affecting transformation or metering, will be subject to the terms of option (b), immediately following this paragraph.
 - (b) Where primary metered service is supplied, the member, at the member's expense, shall furnish, install and maintain on the premises: switches, transformers, regulators and other necessary equipment.

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LARGE GENERAL SERVICE (Continued)

Conditions (Continued):

6. Chugach will furnish facilities adequate to supply and meter, at a single point of delivery, the maximum 15-minute demand of the member. Where an additional point of delivery is required, other than for the convenience of the member, the facilities will be furnished by Chugach. Each installation shall include, where necessary, facilities for one transformation to a specific voltage. Additional transformations will be furnished and installed by the member.

7. If the largest single motor is rated at 50 horsepower or more, service hereunder will be at 480 volts, or at primary voltage three-phase. Loads up to a total of 50 horsepower may be served at 240 volts. Motors rated 25 horsepower and larger will have reduced voltage starting, except by special permission of Chugach.

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RESERVED FOR FUTURE USE

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**LARGE GENERAL SERVICE - COMBINED METERING SERVICE
(Combined Metered Demand Exceeding 500 kW)**

Available for general purposes at primary voltage, where customer primary voltage facilities are geographically contiguous and interconnected, or have the ability to be interconnected, at primary voltage on the customer side of the primary meter.

Monthly Rates

Customer Charge:	\$150.00	per Month
Demand Charge:	\$22.73	per kW
Energy Charge:	\$0.04964	per kWh

Billing Demand

The billing demand shall be the average kW supplied during the 15-minute period of maximum use during the month and will be determined on the basis of the simultaneous combined total demand of all qualified meters.

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

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LARGE GENERAL SERVICE – Combined Metering Service (Continued)

Conditions:

1. Combined metering service is available to primary metered service locations where current non-coincident combined metered monthly demand levels are equal to or greater than 500 kW. In addition, the following conditions apply:
 - (a) All primary voltage interconnections exist on the customer side of the meters.
 - (b) Interconnection between customer load centers must be completed or have the ability to be completed between contiguous customer facilities.
 - (c) Equipment exists to maintain average power factor equal to or greater than 90 percent.
 - (d) This tariff is not available to customers receiving electric service under separate contract or agreement.
2. The customer will be required to provide telephone line access to each Chugach metering/recording point. Either dedicated or shared telephone lines may be used. Monthly telephone charges will be paid by the customer.
3. The maximum demand will be measured by meters or indicators furnished and installed by Chugach on one or several meter bases furnished and installed by the customer in accordance with Chugach specifications. The procedure for totaling metered data shall be determined by Chugach.
4. The customer shall be responsible for all costs associated with installing and maintaining on its premises any equipment required for this tariff, including switches, transformers, and regulators. This tariff does not include any provision for maintenance by Chugach on the load side of the primary meter.

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LARGE GENERAL SERVICE – Combined Metering Service (Continued)

Conditions: (Continued)

6. Billing demand shall be the average kW supplied during the 15-minute period of maximum use during the month and will be determined on the basis of the simultaneous combined total demand of all qualified meters.
7. Where an additional point of delivery is required beyond the initial Chugach-approved point(s) of service, the facilities will be constructed to Chugach's standards and the cost of construction is to be paid by the customer, including any necessary metering and sectionalizing equipment, such as a recloser. Each additional delivery point must be capable of carrying the entire load of the combined facilities as determined by Chugach. No line extension credits will be provided to the consumer for any additional delivery point(s) for service taken under the Combined Metering Tariff. All facilities installed on the load side of primary meters to qualify for combined metering service are at the full expense of the customer.
8. When interconnection between primary metering points requires Chugach system improvements to meet additional load at any primary metering point, the customer shall pay for all system and facility improvements required for the customer specific interconnection.
9. Combined metering service is provided subject to Chugach rules and regulations.

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ECONOMIC VIABILITY RATE

Available for new or incremental industrial loads used in a manufacturing process with a monthly demand level reasonably expected by Chugach to equal or exceed 2,000 kW at 120/240 volts, single phase, 120, 240, 480, 120/208, 2,300/4, 160 and 7,200/12,470 volts, three-phase, within two years of receiving such service.

Applicants for this rate must demonstrate that this rate is important for the economic viability of the operation, Customers receiving service under this schedule must enter into a separate service contract with Chugach, which will address unique circumstances of service including the period of time over which the demand rate will be discounted. The contract must be approved by the Regulatory Commission of Alaska.

Contract Length

The length of the contract will be twice the length of time a demand rate reduction is granted.

Monthly Rates

Customer Charge:	\$150.00	per Month
Energy Charge:	\$0.04775	per kWh
Demand Charge:	\$21.98	per kW

Demand Charge Discount

For that portion of the customer's Billing Demand that qualifies for this tariff, the demand rate shall be discounted using the following formula:

$$\text{Percent Discount}_i = (100 - (100/N)*Y_i)$$

Where: N = Number of Years Required to Phase in Full Demand Rate Payment
Y = Year of Phase-in Period
i = 1 to N

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Economic Viability Rate (Continued)

Billing Demand

The billing demand shall be the average kW supplied during the 15-minute period of maximum use during the month. If service is received under a combined metering arrangement, the maximum demand will be determined on the basis of the simultaneous combined total demand of all qualified meters.

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 – 96, a surcharge reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

Regulatory Cost Charge

In accordance with Tariff Sheet No. 102, a regulatory cost charge will be applied to each bill to reflect the funding requirements of the Regulatory Commission of Alaska.

Economic Viability Rate Qualifications

1. Applicants for this rate shall provide Chugach with an economic analysis that demonstrates that the load subject to this tariff will produce economic multiplier effects that, in Chugach's determination, subject to Commission review and adjudication, will provide expected benefits to Chugach's other customers sufficient to offset the rate discounts granted to the applicant by this tariff.
2. The customer shall provide Chugach with a signed notarized affidavit from an authorized representative of the company confirming that the availability of an economic development/viability rate was an important factor in their decision to locate or expand within Chugach's service territory.
3. The customer shall seek participation in any available local, state or federal programs that promote economic development.

ELECTRICITY

Chugach Electric Association, Inc.

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Economic Viability Rate (Continued)

Economic Viability Rate Qualifications (Continued)

4. The customer must be an industrial customer involved in a manufacturing process where electric load requirements equal or exceed 2,000 kW within two years of receiving service under this tariff.
 - (a) A new industrial customer is an industrial customer that has not received service from Chugach at any retail location, or from any other Alaskan electric utility, for at least twelve months prior to applying for service under this tariff. The demand rate discount shall apply to the customer's total load.
 - (b) An existing industrial customer is an industrial customer that has received electric service from Chugach at any location within Chugach's retail service territory within the past 12 months prior to applying for service under this tariff. For existing industrial customers, the demand charge discount is available to the incremental load placed on the Chugach system and the incremental load must equal or exceed 2,000 kW within two years of receiving such service.
5. The customer must show that at least 100 new positions will be created within the first two years of operation at the location where the demand charge discount is provided.

General Conditions of Service

1. This tariff is not available to customers receiving electric service under separate contract or agreement other than the agreement entered into to receive service under the Economic Viability Rate tariff.
2. Purchases made under this tariff may not be used for resale purposes and are subject to Chugach rules and regulations.

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Economic Viability Rate (Continued)

General Conditions of Service (Continued)

3. For combined metering services that contain both primary and secondary delivery points, billing amounts will be determined on the basis of tariffed rates at each level of service.
4. The maximum demand will be measured by meters or indicators furnished and installed by Chugach on one or several meter bases furnished and installed by the customer in accordance with Chugach specifications. The procedure for totaling metered data shall be determined by Chugach.
5. Equipment exists to maintain average power factor equal to or greater than 90 percent. The customer will make a reasonable effort to maintain unity power factor. Demand charges will be adjusted to correct for average power factors lower than 90 percent. Such adjustment will be made by increasing the measured demand 1 percent for each 1 percent by which the average power factor is less than 90 percent lagging.
6. Combined metering service is available to primary metered service locations such that interconnections between customer load centers is completed or has the ability to be completed between contiguous customer facilities.
7. For service under a combined metering arrangement, the customer will be required to provide telephone line access to each Chugach metering/recording point. Monthly telephone charges will be paid by the customer.

ELECTRICITY

Chugach Electric Association, Inc.

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NET METERING SERVICE

(Applicable to Eligible On-Site Generation Systems 25 kW or Less)

Available on a first-come, first served basis to retail customers that operate and own or lease eligible on-site generation system(s) that are interconnected and operate in parallel with Chugach's distribution facilities. Generation systems shall contain a nameplate capacity of 25 kW or less per customer premises and be used primarily to offset part or all of the consumer's electric energy requirements.

Service under this schedule is available until the cumulative nameplate generating capacity of all retail net metered systems equals 1.5 percent of Chugach's average retail system demand. Chugach may limit net metering installations in portions of its distribution system that are reasonably necessary to address system stability constraints or other operational issues.

Monthly Rates

Electric bills for net metered consumers shall be computed in accordance with the applicable retail service rates contained in this operating tariff, with electric energy (kWh) calculated as follows:

- 1) If Chugach furnished more electric energy to the consumer than the consumer supplied to Chugach during the monthly billing period, Chugach shall bill the consumer for the number of kWh of net electric energy supplied by Chugach to the consumer at the applicable retail rates contained in the operating tariff; or
- 2) If the consumer supplied more electric energy to Chugach than Chugach supplied to the consumer during the monthly billing period, Chugach shall credit the consumer's account with an amount derived by multiplying the kWh of net electric energy supplied by the consumer to Chugach by the non-firm buyback power rate contained on Tariff Sheet No. 97.

Dollar amounts credited to the account of a net metered consumer shall be used to reduce amounts owed by the consumer in subsequent monthly billing periods. Dollar amounts credited do not expire or otherwise revert to Chugach. Unused credits will be paid to the consumer in the event electric service is terminated.

ELECTRICITY

Chugach Electric Association, Inc.

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NET METERING SERVICE (CONTINUED)

(Applicable to Eligible On-Site Generation Systems 25 kW or Less)

Conditions

- 1) Non-Utility Generator may not commence Parallel Operation of generation facilities without final written approval from Chugach.
- 2) Installation and operation of Non-Utility Generators must be in conformance with Chugach requirements and all applicable federal, state and local safety codes and regulations. At a minimum, interconnections must be consistent with the most current interconnection standards approved by the Commission and with IEEE 1547 standards.
- 3) All customer on-site generation systems interconnected and operating in parallel with Chugach's electric system shall be in compliance with the interconnection and operating guidelines contained on Tariff Sheet Nos. 106 through 110 and Chugach's *Interconnection and Operating Guidelines for Non-Utility Generation Up to 5,000 kVA* contained in Appendix C of Chugach's tariff.
- 4) Any customer applying for net metering service shall submit a completed application (Interconnection Application for Non-Utility Generation: Class A and B Facilities) contained in Appendix C of Chugach's operating tariff.
- 5) To be eligible for interconnection under a net metering program, a consumer generation system must:
 - a. Include an electric generator and its accompanying equipment package;
 - b. Be physically interconnected to the consumer's side of the meter from which Chugach provides electric service to the consumer;

ELECTRICITY

Chugach Electric Association, Inc.

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NET METERING SERVICE (CONTINUED)

(Applicable to Eligible On-Site Generation Systems 25 kW or Less)

Conditions (Continued)

- c. Generate electric energy from one or more of the following sources:
 - (A) Solar photovoltaic and solar thermal energy;
 - (B) Wind energy;
 - (C) Biomass energy, including landfill gas or biogas produced from organic matter, wastewater, anaerobic digesters, or municipal solid waste;
 - (D) Hydroelectric, geothermal, hydrokinetic energy or ocean thermal energy; and,
 - (E) Other sources as may be approved by the Regulatory Commission of Alaska that generally have similar environmental impacts.

- d. Be operated and either owned or leased by the consumer, and
 - (A) Have a total nameplate capacity of no more than 25 kilowatts per consumer premises;
 - (B) Be located on the consumer premises;
 - (C) Be used primarily to offset part or all of the consumer's requirements for electric energy; and
 - (D) Include an inverter adequate to ensure the generated power is compatible with the Chugach system.

- (6) Chugach reserves the right to refuse net metering service to a customer if interconnection causes the total nameplate capacity of all eligible consumer generation systems participating in net metering to exceed 1.5 percent of Chugach's average retail demand.

- (7) Chugach will not terminate net metering service to any customer in the event Chugach's average retail demand decreases such that the nameplate capacity of existing net metered customers exceeds 1.5 percent of Chugach's average retail demand.

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NET METERING SERVICE (CONTINUED)
(Applicable to Eligible On-Site Generation Systems 25 kW or Less)

Conditions (Continued)

- 8) Chugach may request by tariff advice letter to adjust the limit on total nameplate capacity of eligible consumer generation systems participating in the net metering program above 1.5 percent of the electric utility's average retail demand.
- 9) Chugach reserves the right to limit net metering installations in portions of its distribution system that are reasonably necessary to address system stability constraints or other operational issues. Chugach shall notify the Commission no later than 30 days after refusal to interconnect with a consumer requesting net metering service.
- 10) Chugach may require the installation of additional metering equipment for net metering consumers, including the metering of individual generating facilities. For these installations, Chugach is responsible for all costs related to the purchase, installation, and maintenance of the additional metering equipment and the customer shall not be assessed any recurring charges for the additional metering equipment.
- 11) Chugach expects net metering customers to acquire liability insurance to cover any damages caused to the Chugach system by the consumer generation system, if that coverage is available at a reasonable cost to the consumer.
- 12) Pursuant to 3 AAC 50.910 (d), below is a summary of Chugach's average retail demand, maximum allowed nameplate capacity of eligible net metered generation facilities on the system, and total nameplate capacity of net metered customers:
 - a. Average retail demand (Calendar-Year 2019): 120.5 MW
 - b. Maximum allowed nameplate capacity of net metered generation facilities (1.5 percent of Chugach's average retail system demand): 1.81 MW
 - c. Nameplate capacity of all net metered customers receiving service on Chugach's distribution system as of December 31, 2019: 1.04 MW

ELECTRICITY

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STANDBY AND BUYBACK SERVICE

Available for retail customers who are wholly or partly served by their own generation, where such generation has a nameplate capacity of at least 100 kW. The buyback provisions of this service do not apply where a special contract approved by the Commission establishes the price of power purchased from customer-owned generation.

Monthly Rates

The customer shall pay charges for unbundled Generation, Transmission, and Distribution Service.

Unbundled Distribution and Transmission Service

Description	Residential	Small General	Large General Service		
			34.5kV	Primary Single & Combined Metering	Secondary
Distribution Service					
Customer Charge, per month:	\$8.00	\$17.00	\$150.00	\$55.00 - Single \$150.00 - Combined	\$55.00
Energy Charge, per kWh:	\$0.06010	\$0.03936	---	\$0.01504	\$0.01461
Demand Charge, per kW:	---	---	---	\$10.53	\$10.57
Subtransmission					
Energy Charge, per kWh:	\$0.00345	\$0.00250	\$0.00002	\$0.00002	\$0.00002
Demand Charge, per kW:	---	---	\$0.79	\$0.79	\$0.72
Transmission Service					
Energy Charge, per kWh:	\$0.01675	\$0.01186	\$0.00114	\$0.00114	\$0.00110
Demand Charge, per kW:	---	---	\$3.38	\$3.38	\$3.12

The Distribution and Subtransmission Service energy charge shall be applied to the greater of: a) all kWh delivered by Chugach; or b) all kWh provided to Chugach during the billing period. The distribution and subtransmission billing demand shall be the greater of: a) the average kW supplied by Chugach during the 15-minute period of maximum use during the current month or the preceeding 11 months or b) the average kW provided to Chugach during the 15-minute period of maximum net customer production during the current month of the preceeding 11 months. Demand registered within 90 minutes after service is restored immediately following an outage occurring on the Chugach side of the customer's meter shall not be used to establish the demand used for the eleven month demand ratchet for computing subtransmission and distribution demand charges.

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STANDBY AND BUYBACK SERVICE (Continued)

Unbundled Distribution and Transmission Service (Continued)

The Transmission Service energy charge shall be applied to the greater of: a) all kWh delivered by Chugach; or b) all kWh provided to Chugach during the billing period. The billing demand shall be the greater of: (a) the average kW supplied by Chugach during the 15-minute period of maximum use during the month; or (b) the average kW provided to Chugach during the 15-minute period of maximum net customer production during the month.

Unbundled Generation Service

Chugach shall purchase any generation output in excess of the customer's needs and shall provide generation service whenever the customer's load is greater than the generation output.

- 1) When the customer's load exceeds the customer's power production, the following unbundled generation charges will be assessed:

Description	Residential	Small General	Large General Service		
			34.5kV	Primary Single & Combined Metering	Secondary
Generation Service					
Energy Charge, per kWh:	\$0.05476	\$0.04297	\$0.03297	\$0.03297	\$0.03205
Demand Charge, per kW:	---	---	\$8.07	\$8.07	\$7.55

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, additional charges reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

- 2) When the customer's load is less than the customer's power production, the customer shall receive a billing credit (rather than pay a charge) equal to the product of: (a) the excess of the customer's production over the customer's load (in kWh); times (b) the hourly buyback rate as identified on Sheet No. 89.4.2.

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STANDBY AND BUYBACK SERVICE (Continued)

Determination of Hourly Buyback Rate

1. For facilities 200 kW or less, the buyback rate for all hours shall be that shown on Tariff Sheet No. 97.
2. For facilities greater than 200 kW, the hourly buyback rates shall be the marginal cost of generation services quantified in each hour by identifying:
 - (a) The resource(s) that would have reduced output or the off-system sales that would have been increased if the Chugach system load in that hour had been 10 MW smaller than it actually was;
 - (b) The amount of the output reduction for each resource or of the off-system sales increase that would have accompanied the 10 MW load reduction; and,
 - (c) The costs that Chugach would have saved through such output reductions and the revenues that would have been realized through such off-system sales.

The marginal cost of generation service shall be calculated by dividing the dollar amount of such hourly cost savings and increased off-system sales revenues by 10 MW. The resources identified in (a) may be Chugach's own generators or its off-system purchases. Because of losses in transmission and distribution, the output reductions and off-system sales increases quantified in (b) may not necessarily sum to exactly 10 MW.

In each hour, the hourly buyback rate shall equal the marginal cost of generation services in that hour less a 5% power system management fee. The hourly buyback rates shall be further reduced by costs associated with the integration of non-utility generation into the Chugach system.

- (d) The buyback rates identified on Tariff Sheet No. 97 shall initially be used for valuing purchases from standby and buyback customers with generation facilities in excess of 200 kW. Differences between the amounts paid on the basis of the rates identified on Tariff Sheet No. 97 and the actual hourly buyback rates computed above shall be adjusted on the customer's bill following the Commission's approval of the hourly buyback rates for the applicable billing periods.

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STANDBY AND BUYBACK SERVICE (Continued)

Conditions

1. Above service provided subject to Chugach rules and regulations.
2. These schedules will be applied to each meter at point of delivery or receipt, and in no event will meter readings be combined.
3. The maximum demand will be measured by a meter or indicator furnished and installed by Chugach on a meter base furnished and installed by the member.
4. The member will make a reasonable effort to maintain unity power factor. Demand charges will be adjusted for members with 50 kW or more of measured demand to correct for average power factors lower than 90% and may be similarly adjusted for other members as Chugach deems necessary. Such adjustments will be made by increasing the measured demand 1% for each 1% by which the average power factor is less than 90% lagging.
5. Where primary metered service is supplied, the member, at the member's expense, shall furnish, install and maintain switches, transformers, regulators and other necessary equipment on the member's premises.
6. Charges for unbundled Distribution Service shall also consist of charges for special services, if any. Special services are those requested by the customer or provided by Chugach, in excess of standard allowances, because of the customer's special needs. Charges for special services will be determined according to the costs of the facilities required to provide the services.
7. Chugach shall provide only those special Distribution Services that are requested by the customer, that are required to serve the customer, or that are necessary to mitigate the costs that the customer's usage imposes upon the system or upon other customers. For the services that are not explicitly requested by the customer, Chugach shall notify the customer of the necessity of such services at the earliest practical date, including the costs of such services and the customer's likely alternatives for mitigating the need for such services.

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FUEL AND PURCHASED POWER COST ADJUSTMENT FACTOR

CINGSA Storage Recovery Definitions

The following definitions apply to the fuel storage and related costs incurred under the Firm Storage Services Agreement (FSS Agreement) and Interruptible Storage Service (ISS Agreement) between Chugach and Cook Inlet Natural Gas Storage Alaska, LLC (CINGSA) that are recovered through Chugach's fuel and purchased power cost adjustment factor.

- (1) Cost of Fuel in Storage is the total cost of the fuel in storage, including (1) the actual cost of the fuel purchased, (2) fees for transportation to storage, (3) lost and unaccounted for/storage fuel reimbursement, (4) fees for injection. This is recorded in the Fuel Stock Account 151 (Fuel in Storage).
- (2) Weighted Average Cost of Fuel, or WACF, is calculated using (A) Chugach's total Cost of Fuel in Storage at the end of the preceding month, divided by (B) Chugach's total quantity of fuel in storage at the end of the preceding month (Mcf). The results are in dollars per Mcf. [$A / B = WACF$] Once per month, Chugach applies the Weighted Average Cost of Fuel, or WACF, to the total quantity of Mcf withdrawn during the month.

The following definitions apply to the cost element line items listed on Tariff Sheet Nos. 94, 95 and 95.5:

- (3) Fuel Withdrawn from Storage consists of the Weighted Average Cost of Fuel (WACF) multiplied by the total number of units (Mcf) withdrawn.
- (4) Fuel Storage Fees consist of reservation, capacity and withdrawal fees in accordance with the FSS Agreement, the ISS Agreement and the CINGSA tariff.
- (5) Fuel Transportation consists of all costs related to the transporting of fuel purchased, or transported from storage, for system use.
- (6) Interruptible Storage Service (ISS) Agreement is applicable for interruptible gas storage service between Chugach and CINGSA and charges are assessed on the maximum quantity of gas stored during the period multiplied by the ISS rate plus applicable injection and withdrawal charges.
- (7) Firm Storage Service (FSS) Agreement is applicable for firm gas storage service between Chugach and CINGSA and charges are assessed on the basis of monthly reservation, capacity, injection and withdrawal charges.

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
- Font and Format May Vary – Content is Identical****FUEL AND PURCHASED POWER COST ADJUSTMENT FACTOR (cont.)****A. Applicability of Fuel and Purchased Power Cost Adjustment Factor**

Retail and wholesale base rate schedules shall be subject to adjustment by the applicable Fuel and Purchased Power Cost Adjustment Factor set forth on Sheet Nos. 94, 94.05 and 94.1. Billings to customers will be adjusted to reflect changes in fuel and purchased power expense levels in accordance with Sheet Nos. 94, 94.05 and 94.1.

B. Fuel and Purchased Power Cost Balance Account

Chugach shall maintain a Fuel and Purchased Power Cost Balance Account (FERC Account No. 186 – Misc. Deferred Debits) commencing with a zero balance on October 26, 1982. Separate balancing accounts for the retail class and each wholesale customer (excluding interchange sales) shall be maintained in a manner that reflects allocated shares of fuel and purchased power costs, and revenues by class. The Fuel and Purchased Power Cost Balance Account balances shall reflect the sum of the debit and credit entries described as follows:

- (1) Debit entries equal to the fuel and purchased power costs allocated to retail and each wholesale customer (excluding interchange sales) for each preceding month. This includes:
 - (i) The actual cost of fuel and power purchased during the month for use in firm power sales;
 - (ii) The actual cost of natural gas compression and related delivery services;
 - (iii) The cost of fuel withdrawn from storage (FERC Account No. 151 - Fuel Stock) calculated by multiplying the total units of fuel withdrawn from storage by the weighted average cost of fuel;
 - (iv) Storage reservation, capacity and withdrawal fees; and,
 - (v) Fuel transportation fees for fuel purchased, or transported from storage, during the month for system use.
- (2) Credit entries equal to the kWh sold to retail and each wholesale customer (excluding interchange sales) during that month multiplied by the corresponding fuel and purchased power cost adjustment factor charged in that month.
- (3) Debit or credit entries for adjustments for entries described in (1) and (2) above for prior periods.

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C. Fuel in Storage Account

Chugach shall maintain a Fuel in Storage account (FERC Account No. 151 – Fuel Stock), commencing with a zero balance on March 31, 2012 and balances thereafter reflecting the sum of the debit and credit entries described as follows:

- (1) Debit entries equal to:
 - (i) The cost of fuel purchased and injected into storage;
 - (ii) Transportation fees incurred for fuel transported to storage;
 - (iii) The cost of fuel provided to the storage facility for injection operations;
 - (iv) Storage injection fees;
- (2) Credit entries equal to the cost of fuel withdrawn from storage calculated by multiplying the total units of fuel withdrawn from storage by the weighted average cost of fuel.
- (3) Debit or credit entries for adjustments for entries described in (1) and (2) above for prior periods.

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FUEL AND PURCHASED POWER COST ADJUSTMENT FACTOR (cont.)

D. Revision of the Retail and Wholesale Fuel and Purchased Power Cost Adjustment Factors

- (1) By the first day of each quarter, Chugach shall file supporting information by Tariff Advice letter to evidence the development of the retail and wholesale fuel and purchased power cost balances and the development of the average fuel and purchased power costs per kWh sold for the ensuing quarter. Supporting information to be filed includes:
 - (i) Calculation of the Fuel and Purchased Power Cost Adjustment Factor as detailed in.
 - (ii) A schedule calculating the average retail line loss for the 12 months ending with the prior quarter.
 - (iii) A schedule identifying projected energy (kWh) sales in the next quarter.
 - (iv) A schedule of energy (kWh) generated per generating unit per month and the quantity of power purchased per month for the 12 months ending with the prior quarter.
 - (v) A schedule identifying projected energy (kWh) generated and purchased in the next quarter.
 - (vi) A schedule of the quantity of fuel used per generating unit for the 12 months ending with the prior quarter. Quantity data will be provided to the highest degree of detail available.
 - (vii) Invoices and/or other documentation to substantiate the fuel and purchased power costs of the prior quarter.
 - (viii) A schedule of the monthly Fuel in Storage account balance with the calculation of weighted average unit cost for the prior quarter, identifying transactions associated with the FSS Agreement, the ISS Agreement and gas exchanges.
 - (ix) Invoices and/or other documentation to substantiate activity and balances in the Fuel in Storage account during the prior quarter.
- (2) Exchange Service: The charge for gas exchange transactions shall be determined on a case by case basis as agreed between Chugach and the buyer but in no event shall buyer pay less than the variable costs associated with the transaction. If gas storage service is used, buyer shall pay applicable transportation, injection/withdrawal and storage use fees. Revenues from storage use fees shall be credited as an offset against CINGSA capacity costs.
- (3) Unless sooner authorized by the Commission, the retail and wholesale Fuel and Purchased Power Cost Adjustment Factors will be effective subject to subsequent review and approval or adjustment by the Commission, for all billing subsequent to the revision date. Revision dates will coincide with the beginning of a monthly billing cycle.

RCA No. 8

4th Revision

Sheet No. 93



Canceling

3rd Revision

Sheet No. 93

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Restricted Rate Reduction Account Rebate

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The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until the RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, all interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach’s cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The rebate amount shall include all interest earned on account balances.

C. Rebate

North District customer billings will be adjusted on a quarterly basis to reflect changes in the rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.00000) per kWh

N

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

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ELECTRICITY

Chugach Electric Association, Inc.

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FUEL AND PURCHASED POWER ADJUSTMENT FACTORS AT G&T

e.1. Fuel Adjustment Factor: Predicted costs for the quarter beginning October 1, 2020

Description	Total	Retail	Seward
Fuel Expense			
Beluga: BRU (Chugach)	\$94,733	\$90,448	\$4,284
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$785,664	\$750,133	\$35,531
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$0	\$0	\$0
IGT: BRU (Chugach)	\$0	\$0	\$0
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$0	\$0	\$0
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$0	\$0	\$0
SPP: BRU (Chugach)	\$1,138,677	\$1,087,182	\$51,495
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$9,670,953	\$9,233,598	\$437,355
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$0	\$0	\$0
EGS (Pool): BRU (Chugach)	\$0	\$0	\$0
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$0	\$0	\$0
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$0	\$0	\$0
Emergency Generator Fuel	\$0	\$0	\$0
CINGSA - FSS, ISS and Gas Withdrawn	\$4,509,739	\$4,305,792	\$203,946
Gas Transportation and Compression	\$1,320,580	\$1,260,859	\$59,721
Total Fuel and Transportation Expense	\$17,520,345	\$16,728,012	\$792,332
Less Credits			
Economy Sales, Gas Exchange and Other Revenue	(\$82,560)	(\$78,826)	(\$3,734)
Wheeling Revenue	(\$94,633)	(\$90,353)	(\$4,280)
Subtotal	(\$177,193)	(\$169,180)	(\$8,013)
Net Fuel Expense	\$17,343,152	\$16,558,833	\$784,319
Generation & Purchases (MWh)	328,520.5	314,358.3	14,162.2
Cost per MWh at Generation	\$52.79	\$52.68	\$55.38
Projected Balances as of December 31, 2020	(\$2,635,934)	(\$2,635,934)	\$0
Fuel Expense to be Recovered at G&T	\$14,707,219	\$13,922,899	\$784,319
Predicted Sales at G&T (MWh)	319,955.3	306,162.3	13,792.9
Fuel Adjustment Factor per kWh at G&T	\$0.04597	\$0.04548	----*

* Not calculated. Seward is billed for actual fuel and purchased power costs on a monthly basis.

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FUEL AND PURCHASED POWER ADJUSTMENT FACTORS AT G&T (CONTINUED)

e.2. Purchased Power Adjustment Factor: Predicted costs for the quarter beginning October 1, 2020

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$1,863,891	\$1,779,599	\$84,292
Base FIW Renewable Resource Cost	\$1,490,017	\$1,490,017	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$751,618	\$717,627	\$33,991
Subtotal	\$4,105,526	\$3,987,243	\$118,283
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling Revenue	(\$22,175)	(\$21,172)	(\$1,003)
Subtotal	(\$22,175)	(\$21,172)	(\$1,003)
Net Purchased Power Expense	\$4,083,350	\$3,966,071	\$117,280
Generation & Purchases (MWh)	328,520	314,358	14,162
Cost per MWh at Generation	\$12.43	\$12.62	\$8.28
Projected Balances as of December 31, 2020	\$1,099,355	\$1,099,355	\$0
Purchased Power Expense to be Recovered	\$5,182,705	\$5,065,425	\$117,280
Predicted Sales at G&T (MWh)	319,955.3	306,162.3	13,792.9
Purchased Power Adjustment Factor			
per kWh at G&T	\$0.01620	\$0.01654	----*

* Not calculated. Seward is billed for actual fuel and purchased power costs on a monthly basis.

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FUEL AND PURCHASED POWER ADJUSTMENT FACTORS AT G&T (CONTINUED)

e.3. Incremental Fire Island Wind Adjustment Factor: Predicted costs for the quarter beginning October 1, 2020

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	15,361.0	15,361.0	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$1,490,017	\$1,490,017	----
Chugach Avoided Energy Cost at G&T (MWh)	\$59.06	\$59.06	----
Estimated Cost Avoided Due to FIW Purchases	\$907,169	\$907,169	----
Fire Island Wind Cost Differential	\$582,848	\$582,848	----
Chugach Retail Generation & Purchases (MWh)	314,358.3	314,358.3	----
Cost per MWh at Generation	\$1.85	\$1.85	----
Predicted Sales at G&T (MWh)	306,162.3	306,162.3	----
FIW Adjustment Factor per kWh at G&T	\$0.00190	\$0.00190	----

e.4. Summary of fuel and purchased power cost adjustment factors at G&T for rates effective October 1, 2020

Fuel & Purch. Pwr Costs to be Recovered	\$22,009,350	\$21,107,752	\$901,599
Generation & Purchases (MWh)	328,520.5	314,358.3	14,162.2
Cost per MWh at Generation	\$67.00	\$67.15	----
Projected Balances as of December 31, 2020	(\$1,536,579)	(\$1,536,579)	\$0
Total Costs Recovered at G&T	\$20,472,772	\$19,571,173	\$901,599
Predicted Sales at G&T (MWh)	319,955.3	306,162.3	13,792.9
Fuel and Purchased Power Adjustment			
Factor per kWh at G&T	\$0.06399	\$0.06392	---- *

* Not calculated. Seward is billed for actual fuel and purchased power costs on a monthly basis.

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Chugach Electric Association, Inc.

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**FUEL AND PURCHASED POWER COST ADJUSTMENT FACTORS AT
RETAIL DELIVERY: PRIMARY SERVICE**

e.5. Chugach retail fuel and purchased power adjustment factors for rates effective October 1, 2020

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery		\$19,571,173
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.04548	
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.01654	
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00190	
5. Chugach Retail Service at Primary Voltage		
A. Fuel Adjustment Factor		
a) Primary kWh Sales at G&T	13,789,903.0	
b) Fuel Cost Recovery - Primary Voltage	\$627,165	
c) Primary kWh Sales at Delivery	12,980,692.8	
d) Fuel Adjustment Factor per kWh at Primary (b / c) (Percent Primary Distribution Losses at G&T: 5.87%)		<u>\$0.04832</u>
B. Purchased Power Adjustment Factor		
a) Primary kWh Sales at G&T	13,789,903.0	
b) Purchased Power Cost Recovery - Primary Voltage	\$228,085	
c) Primary kWh Sales at Delivery	12,980,692.8	
d) Purchased Power Adjustment Factor per kWh at Primary (b / c)		<u>\$0.01757</u>
C. Fire Island Wind Renewable Energy Adjustment Factor		
a) Primary kWh Sales at G&T	13,789,903.0	
b) FIW Cost Differential - Primary Voltage	\$26,201	
c) Primary kWh Sales at Delivery	12,980,692.8	
d) FIW Renewable Energy Adjustment Factor per kWh at Primary (b / c)		<u>\$0.00202</u>
D. Total Retail Service at Primary Voltage Delivery		\$0.06791

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**FUEL AND PURCHASED POWER COST ADJUSTMENT FACTORS AT
RETAIL DELIVERY: SECONDARY SERVICE**

e.6. Chugach retail fuel and purchased power adjustment factors for rates effective October 1, 2020

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	292,372,439.4	
b) Fuel Cost Recovery - Secondary Voltage	\$13,297,099	
c) Secondary kWh Sales at Delivery	273,165,791.8	
d) Fuel Adjustment Factor per kWh at Secondary (b / c) (Percent Secondary Distribution Losses at G&T: 6.57%)		<u>\$0.04868</u>

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	292,372,439.4	
b) Purchased Power Cost Recovery - Secondary Voltage	\$4,835,840	
c) Predicted Secondary kWh Sales at Delivery	273,165,791.8	
d) Purchased Power Adjustment Factor per kWh at Secondary (b / c)		<u>\$0.01770</u>

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	292,372,439.4	
b) FIW Cost Differential - Secondary Voltage	\$555,508	
c) Predicted Secondary kWh Sales at Delivery	273,165,791.8	
d) FIW Renewable Energy Adjustment Factor per kWh at Secondary (b / c)		<u>\$0.00203</u>

D. Total Retail Service at Secondary Voltage Delivery

\$0.06841

ELECTRICITY

Chugach Electric Association, Inc.

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FUEL AND PURCHASED POWER COST ADJUSTMENT FACTORS

f. 1. Actual fuel costs for the quarter ending June 30, 2020

Description	Total	Retail	Seward
Fuel Adjustment Factor Balance as of March 31, 2020	(\$4,308,113)	(\$4,308,113)	\$0
Fuel Balance for Quarter Ending June 30, 2020			
Beluga: BRU (Chugach)	\$24,836	\$23,491	\$1,346
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$955,873	\$904,121	\$51,753
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$110	\$104	\$6
IGT: BRU (Chugach)	\$110	\$104	\$6
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$2,636	\$2,491	\$146
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$0	\$0	\$0
SPP: BRU (Chugach)	\$385,185	\$364,400	\$20,785
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$9,095,337	\$8,604,791	\$490,546
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$6,028	\$5,706	\$322
EGS (Pool): BRU (Chugach)	\$0	\$0	\$0
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	\$0	\$0	\$0
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (5/2017 - 3/2033)	\$0	\$0	\$0
CINGSA - FSS, ISS and Gas Withdrawn	\$977,474	\$924,713	\$52,761
Gas Transportation and Compression	\$944,664	\$893,714	\$50,950
Adjustment	\$8,275	\$7,833	\$442
Total Fuel and Transportation Expense	\$12,400,528	\$11,731,466	\$669,063
Less Credits			
Economy Fuel / Transportation Costs	\$0	\$0	\$0
Economy Margins	\$0	\$0	\$0
Gas Exchange Contributions (Tesoro and Furie)	(\$88,895)	(\$84,107)	(\$4,788)
Wheeling Revenue	(\$495,685)	(\$468,975)	(\$26,710)
Subtotal	(\$584,580)	(\$553,082)	(\$31,498)
Net Fuel Expense	\$11,815,949	\$11,178,384	\$637,565
Generation & Purchases (MWh)	266,019	252,328	13,691
Cost per MWh at Generation	\$44.42	\$44.30	\$46.57
Total Fuel Cost Recovery	\$9,805,190	\$9,167,625	\$637,565
Quarter Balance	\$2,010,758	\$2,010,759	\$0

Tariff Advice No.: 496-8

Issued by:

Effective: November 2, 2020

Pursuant to U-19-085(20)/U-19-091(19)/U-20-071(2)

Chugach Electric Association, Inc.

P.O. Box 196300

Anchorage, AK 99519-6300

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FUEL AND PURCHASED POWER COST ADJUSTMENT FACTORS (CONTINUED)

f.2. Actual purchased power costs for the quarter ending June 30, 2020

Description	Total	Retail	Seward
Purchased Power Adjustment Factor			
Balance as of March 31, 2020	\$5,680,722	\$5,680,722	\$0
Purchased Power Expense			
Bradley Lake Purchases	\$1,962,571	\$1,882,075	\$80,497
FIW Renewable Resource Expense	\$1,060,223	\$1,060,223	\$0
Non-Utility Generation	\$4,355	\$4,120	\$235
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$1,718,950	\$1,627,354	\$91,596
Subtotal	\$4,746,100	\$4,573,772	\$172,328
Less Purchased Power Credits			
Renewable Energy Certificates	(\$16,345)	(\$16,345)	\$0
Wheeling Revenue	(\$187,632)	(\$177,572)	(\$10,060)
Subtotal	(\$203,977)	(\$193,917)	(\$10,060)
Net Purchased Power Expense	\$4,542,123	\$4,379,855	\$162,268
Generation & Purchases (MWh)	266,019	252,328	13,691
Cost per MWh at Generation	\$17.07	\$17.36	\$11.85
Purchased Power Cost Recovery	\$8,620,372	\$8,458,105	\$162,268
Quarter Balance	(\$4,078,250)	(\$4,078,250)	\$0

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f.3. Summary of Actual Fuel and Purchased Power Cost Adjustment Factor Balances

Description	Total	Retail	Seward
Fuel and Purchased Power Balance as of March 31, 2020	\$1,372,609	\$1,372,609	\$0
Balance for Quarter Ending June 30, 2020			
Fuel and Purchased Power Costs	\$16,358,071	\$15,558,239	\$799,832
Generation & Purchases (MWh)	266,019	252,328	13,691
Cost per MWh at Generation	\$61.49	\$61.66	\$58.42
Fuel and Purchased Power Recovery Balance for Quarter Ended June 30, 2020	\$18,425,562 (\$2,067,491)	\$17,625,730 (\$2,067,491)	\$799,832 \$0
Cumulative Balance at Quarter Ended June 30, 2020	(\$694,882)	(\$694,882)	\$0

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SUMMARY OF ACTUAL AND PROJECTED FUEL AND PURCHASED POWER COSTS

Description	Actual - Quarter Ended June 2020			Projected - Quarter Ended December 2020		
	Volume ¹	Unit Cost	Total Cost	Volume	Unit Cost	Total Cost
Fuel Expense						
Beluga:						
BRU (Chugach)	8,143	\$3.05	\$24,836	18,575	\$5.10	\$94,733
AIX Energy, LLC (4/2016-3/2024)	0	\$0.00	\$0	0	\$0.00	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	127,620	\$7.49	\$955,873	104,895	\$7.49	\$785,664
Cook Inlet Energy (2014-3/2023)	0	\$0.00	\$0	0	\$0.00	\$0
Furie (5/2017 - 3/2033)	16	\$6.85	\$110	0	\$0.00	\$0
IGT:						
BRU (Chugach)	36	\$3.05	\$110	0	\$0.00	\$0
AIX Energy, LLC (4/2016-3/2024)	0	\$0.00	\$0	0	\$0.00	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	352	\$7.49	\$2,636	0	\$0.00	\$0
Cook Inlet Energy (2014-3/2023)	0	\$0.00	\$0	0	\$0.00	\$0
Furie (5/2017 - 3/2033)	0	\$0.00	\$0	0	\$0.00	\$0
SPP:						
BRU (Chugach)	126,290	\$3.05	\$385,185	223,270	\$5.10	\$1,138,677
AIX Energy, LLC (4/2016-3/2024)	0	\$0.00	\$0	0	\$0.00	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	1,214,331	\$7.49	\$9,095,337	1,291,182	\$7.49	\$9,670,953
Cook Inlet Energy (2014-3/2023)	0	\$0.00	\$0	0	\$0.00	\$0
Furie (5/2017 - 3/2033)	0	\$0.00	\$6,028	0	\$0.00	\$0
EGS (Pool):						
BRU (Chugach)	0	\$0.00	\$0	0	\$0.00	\$0
AIX Energy, LLC (4/2016-3/2024)	0	\$0.00	\$0	0	\$0.00	\$0
Hilcorp Alaska, LLC (1/2015-3/2028)	0	\$0.00	\$0	0	\$0.00	\$0
Cook Inlet Energy (2014-3/2023)	0	\$0.00	\$0	0	\$0.00	\$0
Furie (5/2017 - 3/2033)	0	\$0.00	\$0	0	\$0.00	\$0
CINGSA - FSS/ISS Capacity and Withdrawal Fees	----	\$0.00	\$865,958	----	\$0.00	\$1,790,110
CINGSA - Gas Withdrawn	14,539	\$7.67	\$111,516	354,580	\$7.67	\$2,719,629
Gas Exchange Contributions (Tesoro and Furie)	0	\$0.00	\$0	0	\$0.00	\$0
Gas Transportation and Compression	0	\$0.00	\$944,664	0	\$0.00	\$1,320,580
Adjustment	2,067	\$4.00	\$8,275	0	\$0.00	\$0
Subtotal	1,493,394	\$8.30	\$12,400,528	1,992,502	\$8.79	\$17,520,345
Purchased Power Expense						
Bradley Lake Purchases, MWh	35,646	\$55.06	\$1,962,571	28,976	\$64.33	\$1,863,891
Total FIW Renewable Resource Expense	10,398	\$101.96	\$1,060,223	15,361	\$97.00	\$1,490,017
Non-Utility Generation	0	\$0.00	\$4,355	12	\$35.00	\$420
Pooling Agreement - MEA	0	\$0.00	\$0	0	\$0.00	\$0
Other Purchases, MWh	21,555	\$79.75	\$1,718,950	12,437	\$60.40	\$751,198
Subtotal	67,599	\$70.21	\$4,746,100	56,786	\$72.30	\$4,105,526
Total Fuel & Purch. Power Expense	----	----	\$17,146,628	----	----	\$21,625,870

¹ Fuel volumes from invoices.Tariff Advice No.: 496-8
Pursuant to U-19-085(20)/U-19-091(19)/U-20-071(2)Issued by:
Chugach Electric Association, Inc.
P.O. Box 196300
Anchorage, AK 99519-6300

Effective: November 2, 2020

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ELECTRICITY

Chugach Electric Association, Inc.

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PURCHASE AND SALES RATES FOR QUALIFIED
COGENERATION, SMALL POWER PRODUCTION, AND STANDBY / BUYBACK FACILITIES

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$16,728,012	
2. Non-fuel O&M expense	\$44,443	
3. Balancing Account as of June 30, 2020	\$10,466	
4. Total Avoided Cost Included in Rate	\$16,782,922	
5. kWh Sales at G&T predicted for next quarter:	284,183,495	
6. Avoided Cost per kWh at G&T (L4) / L5		<u>\$0.05906</u>
7. Avoided Cost at Retail Primary Voltage		
a) Retail Primary kWh Sales at G&T (Percent Primary Distribution Losses at G&T: 5.87%)	13,789,903	
b) Retail Primary kWh Sales at Delivery	12,980,693	
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)		<u>\$0.06274</u>
8. Avoided Cost at Retail Secondary Voltage		
a) Retail Secondary kWh Sales at G&T (Percent Secondary Distribution Losses at G&T: 6.57%)	292,372,439	
b) Retail Secondary kWh Sales at Delivery	273,165,792	
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)		<u>\$0.06321</u>

These rates will change concurrently with fuel adjustment factor revisions and general rate revisions.

ELECTRICITY

Chugach Electric Association, Inc.

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FUEL AND PURCHASED POWER COST ADJUSTMENT FACTOR HISTORY

For Rates Effective	Service at Transmission / kWh				Service at Retail
	Chugach Retail	HEA	MEA	SES	Delivery / kWh Chugach Retail
July 1, 1987	-----	(\$0.00311)	(\$0.00311)	(\$0.00311)	(\$0.00348)
August 17, 1987	-----	(\$0.00311)	(\$0.00311)	(\$0.00311)	(\$0.00348)
October 1, 1987	-----	(\$0.00281)	(\$0.00281)	(\$0.00281)	(\$0.00310)
January 1, 1988	-----	(\$0.00292)	(\$0.00292)	(\$0.00292)	(\$0.00296)
April 1, 1988	-----	(\$0.00229)	(\$0.00229)	(\$0.00229)	(\$0.00220)
July 1, 1988	-----	(\$0.00260)	(\$0.00260)	(\$0.00260)	(\$0.00236)
October 1, 1988	-----	\$0.00000	\$0.00000	\$0.00000	\$0.00000
January 1, 1989	-----	(\$0.00005)	(\$0.00005)	(\$0.00005)	(\$0.00036)
April 1, 1989	-----	(\$0.00060)	(\$0.00060)	(\$0.00060)	(\$0.00088)
July 1, 1989	-----	(\$0.00079)	(\$0.00079)	(\$0.00079)	(\$0.00049)
October 1, 1989	-----	(\$0.00004)	(\$0.00004)	(\$0.00004)	\$0.00012
January 1, 1990	-----	\$0.00036	\$0.00036	\$0.00036	(\$0.00008)
April 1, 1990	-----	\$0.00031	\$0.00031	\$0.00031	\$0.00005
July 1, 1990	-----	(\$0.00024)	(\$0.00024)	(\$0.00024)	\$0.00073
October 1, 1990	-----	(\$0.00037)	(\$0.00037)	(\$0.00037)	(\$0.00006)
January 1, 1991	-----	\$0.00087	\$0.00087	\$0.00087	\$0.00042
April 1, 1991	-----	\$0.00122	\$0.00122	\$0.00122	\$0.00110
July 1, 1991	-----	\$0.00069	\$0.00192	\$0.00192	\$0.00112
October 1, 1991	-----	\$0.00085	\$0.00495	\$0.00495	\$0.00465
January 1, 1992	-----	\$0.00135	\$0.00456	\$0.00456	\$0.00517
April 1, 1992	-----	\$0.00112	\$0.00488	\$0.00488	\$0.00569
July 1, 1992	-----	\$0.00232	\$0.00681	\$0.00681	\$0.00611
October 1, 1992	-----	\$0.00030	\$0.00388	\$0.00388	\$0.00322
January 1, 1993	-----	\$0.00207	\$0.00497	\$0.00497	\$0.00518
April 1, 1993	-----	\$0.00258	\$0.00638	\$0.00638	\$0.00633
July 1, 1993	-----	\$0.00141	\$0.00549	\$0.00549	\$0.00485
October 1, 1993	-----	\$0.00103	\$0.00427	\$0.00427	\$0.00364
January 1, 1994	-----	\$0.00096	\$0.00395	\$0.00395	\$0.00356
April 1, 1994	-----	\$0.00340	\$0.00796	\$0.00796	\$0.00877
July 1, 1994	-----	\$0.00401	\$0.00827	\$0.00827	\$0.00816
October 1, 1994	-----	\$0.00349	\$0.00522	\$0.00522	\$0.00598
January 1, 1995	-----	\$0.00206	\$0.00456	\$0.00456	\$0.00555
April 1, 1995	-----	\$0.00572	\$0.00866	\$0.00866	\$0.00844
July 1, 1995	-----	\$0.00624	\$0.01071	\$0.01071	\$0.00876
October 1, 1995	-----	\$0.00376	\$0.00759	\$0.00759	\$0.00631

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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For Rates Effective	Service at Transmission / kWh				Service at Retail
	Chugach Retail	HEA	MEA	SES	Delivery / kWh Chugach Retail
January 1, 1996	-----	\$0.00602	\$0.00782	\$0.00782	\$0.00807
April 1, 1996	-----	\$0.00706	\$0.00921	\$0.00921	\$0.00976
July 1, 1996	-----	\$0.00555	\$0.00850	\$0.00850	\$0.00800
October 1, 1996	-----	\$0.00683	\$0.00800	\$0.00800	\$0.00756
January 1, 1997	-----	\$0.00707	\$0.00879	\$0.00879	\$0.00895
April 1, 1997	-----	\$0.00780	\$0.01123	\$0.01123	\$0.01207
July 1, 1997	-----	\$0.00780	\$0.01123	\$0.01123	\$0.01207
October 1, 1997	-----	\$0.00780	\$0.01123	\$0.01123	\$0.01207
January 1, 1998	\$0.01701	\$0.01689	\$0.01713	\$0.01740	\$0.01731
April 1, 1998	\$0.01776	\$0.01550	\$0.01721	\$0.01713	\$0.01881
July 1, 1998	\$0.01606	\$0.01429	\$0.01558	\$0.01559	\$0.01703
September 11, 1998	\$0.01197	\$0.01225	\$0.01194	\$0.01559	\$0.01703
October 1, 1998	\$0.01197	\$0.01225	\$0.01194	\$0.01182	\$0.01294
January 1, 1999	\$0.01216	\$0.01051	\$0.01115	----- (1)	\$0.01322
April 1, 1999	\$0.01219	\$0.00943	\$0.01242	-----	\$0.01262
July 1, 1999	\$0.00912	\$0.00823	\$0.01038	-----	\$0.00925
October 1, 1999	\$0.00888	\$0.00739	\$0.00918	-----	\$0.00900
January 1, 2000	\$0.01061	\$0.00885	\$0.00995	-----	\$0.01096
April 1, 2000	\$0.01436	\$0.01217	\$0.01363	-----	\$0.01547
July 1, 2000	\$0.01209	\$0.01275	\$0.01332	-----	\$0.01290
October 1, 2000	\$0.01202	\$0.01141	\$0.01302	-----	\$0.01268
January 1, 2001	\$0.01510	\$0.01355	\$0.01509	-----	\$0.01586
April 1, 2001	\$0.02502	\$0.02297	\$0.02526	-----	\$0.02611
July 1, 2001	\$0.02898	\$0.02829	\$0.02947	-----	\$0.03063
October 1, 2001	\$0.02404	\$0.02397	\$0.02412	-----	\$0.02543
January 1, 2002	\$0.02172	\$0.02172	\$0.02099	-----	\$0.02290
April 1, 2002	\$0.02501	\$0.02542	\$0.02564	-----	\$0.02688
July 1, 2002	\$0.02237	\$0.01931	\$0.02159	-----	\$0.02360
October 1, 2002	\$0.01671	\$0.01585	\$0.01664	-----	\$0.01746
January 1, 2003	\$0.01524	\$0.01455	\$0.01582	-----	\$0.01613
April 1, 2003	\$0.01844	\$0.01491	\$0.01559	-----	\$0.01956
July 1, 2003	\$0.01791	\$0.01710	\$0.01782	-----	\$0.01927
October 1, 2003	\$0.01923	\$0.01743	\$0.01946	-----	\$0.02030
November 7, 2003	\$0.00557	\$0.00522	\$0.00580	-----	\$0.00586

(1) By contract approved by the Alaska Public Utilities Commission, Seward Electric System (SES) is billed for actual fuel and purchased power expenses on a monthly basis beginning January 1, 1999.

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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(SERVICE AT TRANSMISSION DELIVERY)**

For Rates Effective	Chugach Retail (Rate per kWh)			Wholesale (Rate per kWh)		
	Total	Fuel	Purch Power	HEA	MEA	SES (1)
January 1, 2004	\$0.00852	----	----	\$0.01161	\$0.00857	-----
April 1, 2004	\$0.01308	----	----	\$0.01776	\$0.01488	-----
July 1, 2004	\$0.01004	----	----	\$0.01395	\$0.01089	-----
October 1, 2004	\$0.01315	----	----	\$0.01440	\$0.01395	-----
January 1, 2005	\$0.01048	----	----	\$0.01375	\$0.01170	-----
April 1, 2005	\$0.01429	----	----	\$0.01825	\$0.01537	-----
July 1, 2005	\$0.01661	----	----	\$0.01736	\$0.01576	-----
September 1, 2005	\$0.01869	----	----	\$0.01697	\$0.01788	-----
January 1, 2006	\$0.02738	----	----	\$0.02933	\$0.02651	-----
April 1, 2006	\$0.02793	----	----	\$0.03238	\$0.03079	-----
July 1, 2006	\$0.03334	----	----	\$0.03708	\$0.03436	-----
October 1, 2006	\$0.03430	----	----	\$0.03888	\$0.03242	-----
January 1, 2007	\$0.03560	----	----	\$0.03473	\$0.03344	-----
April 1, 2007	\$0.03242	----	----	\$0.03295	\$0.03098	-----
July 1, 2007	\$0.03032	----	----	\$0.03397	\$0.03035	-----
October 1, 2007	\$0.02830	----	----	\$0.03307	\$0.03104	-----
January 1, 2008	\$0.02348	----	----	\$0.02355	\$0.02671	-----
April 1, 2008	\$0.02876	----	----	\$0.02330	\$0.02971	-----
June 1, 2008 (2)	\$0.04860	----	----	\$0.04169	\$0.04956	-----
July 1, 2008	\$0.05671	----	----	\$0.05187	\$0.05290	-----
October 1, 2008	\$0.06268	----	----	\$0.06351	\$0.06035	-----
January 1, 2009	\$0.08679	----	----	\$0.08936	\$0.08814	-----
April 1, 2009	\$0.07810	\$0.07321	\$0.00489	\$0.07979	\$0.07824	-----
July 1, 2009	\$0.06185	\$0.05681	\$0.00504	\$0.06689	\$0.06230	-----
October 1, 2009	\$0.05546	\$0.05113	\$0.00433	\$0.05884	\$0.05634	-----
January 1, 2010	\$0.04453	\$0.04014	\$0.00439	\$0.04461	\$0.04497	-----
April 1, 2010	\$0.04907	\$0.04417	\$0.00490	\$0.04530	\$0.04361	-----
July 1, 2010	\$0.04335	\$0.03792	\$0.00543	\$0.04116	\$0.04182	-----
October 1, 2010	\$0.04275	\$0.03905	\$0.00370	\$0.03985	\$0.04226	-----
January 1, 2011	\$0.04569	\$0.04073	\$0.00496	\$0.04888	\$0.04658	-----
April 1, 2011	\$0.05231	\$0.04678	\$0.00553	\$0.06079	\$0.05354	-----
July 1, 2011	\$0.06104	\$0.05548	\$0.00556	\$0.06298	\$0.06346	-----
October 1, 2011	\$0.06555	\$0.06189	\$0.00366	\$0.06389	\$0.06825	-----

(1) By contract approved by the Alaska Public Utilities Commission, Seward Electric System (SES) is billed for actual fuel and purchased power expenses on a monthly basis beginning January 1, 1999.

(2) Fuel surcharge rates adjusted to reflect the removal of fuel and purchased power cost recovery from base energy rates.

ELECTRICITY

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FUEL AND PURCHASED POWER COST ADJUSTMENTS FACTOR HISTORY
(SERVICE AT TRANSMISSION DELIVERY, RETAIL)

For Rates Effective	Chugach Retail (Rate per kWh)			
	Total	Fuel	Purchased Power	FIW Adjustment Factor
January 1, 2012	\$0.06696	\$0.06353	\$0.00343	----
April 1, 2012	\$0.06325	\$0.05822	\$0.00503	----
July 1, 2012	\$0.05782	\$0.05246	\$0.00536	----
October 1, 2012	\$0.05589	\$0.04698	\$0.00725	\$0.00166
January 1, 2013	\$0.05602	\$0.04138	\$0.01286	\$0.00178
February 6, 2013	\$0.05017	\$0.03419	\$0.01398	\$0.00201
April 1, 2013	\$0.04090	\$0.03549	\$0.00372	\$0.00169
July 1, 2013	\$0.04321	\$0.04085	\$0.00112	\$0.00123
October 1, 2013	\$0.04840	\$0.03818	\$0.00839	\$0.00183
January 1, 2014	\$0.04557	\$0.03521	\$0.00815	\$0.00221
April 1, 2014	\$0.04965	\$0.04319	\$0.00508	\$0.00138
July 1, 2014	\$0.05432	\$0.04770	\$0.00504	\$0.00158
October 1, 2014	\$0.05473	\$0.04454	\$0.00830	\$0.00189
January 1, 2015	\$0.05953	\$0.04406	\$0.01334	\$0.00213
April 1, 2015	\$0.05968	\$0.04714	\$0.01107	\$0.00147
May 1, 2015	\$0.04756	\$0.04372	\$0.00234	\$0.00150
July 1, 2015	\$0.04062	\$0.03430	\$0.00445	\$0.00187
October 1, 2015	\$0.04561	\$0.03259	\$0.01062	\$0.00240
January 1, 2016	\$0.04883	\$0.03259	\$0.01062	\$0.00240
April 1, 2016	\$0.04954	\$0.03975	\$0.00813	\$0.00166
July 5, 2016	\$0.05095	\$0.04195	\$0.00706	\$0.00194
October 1, 2016	\$0.04913	\$0.03631	\$0.01043	\$0.00239
January 1, 2017	\$0.05454	\$0.05055	\$0.00185	\$0.00214
April 1, 2017	\$0.05855	\$0.05321	\$0.00396	\$0.00138
July 1, 2017	\$0.06414	\$0.05150	\$0.01100	\$0.00164
October 1, 2017	\$0.06608	\$0.05210	\$0.01185	\$0.00213
January 1, 2018	\$0.06456	\$0.05912	\$0.00383	\$0.00161
April 1, 2018	\$0.06684	\$0.05796	\$0.00733	\$0.00155
July 1, 2018	\$0.06558	\$0.04795	\$0.01585	\$0.00178
October 1, 2018	\$0.06464	\$0.05205	\$0.01047	\$0.00212
January 1, 2019	\$0.06333	\$0.04922	\$0.01184	\$0.00227
April 1, 2019	\$0.05796	\$0.03619	\$0.02033	\$0.00144
July 1, 2019	\$0.05297	\$0.02739	\$0.02371	\$0.00187
September 1, 2019	\$0.05223	\$0.02662	\$0.02371	\$0.00190

ELECTRICITY

Chugach Electric Association, Inc.

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FUEL AND PURCHASED POWER COST ADJUSTMENTS FACTOR HISTORY
(SERVICE AT TRANSMISSION DELIVERY, RETAIL)

For Rates Effective	Chugach Retail (Rate per kWh)			
	Total	Fuel	Purchased Power	FIW Adjustment Factor
October 1, 2019	\$0.06178	\$0.05868	\$0.00132	\$0.00178
November 1, 2019	\$0.06172	\$0.05862	\$0.00132	\$0.00178
January 1, 2020	\$0.06692	\$0.05799	\$0.00655	\$0.00238
April 1, 2020	\$0.06679	\$0.03845	\$0.02657	\$0.00177
July 1, 2020	\$0.06085	\$0.03874	\$0.02031	\$0.00180
October 1, 2020	\$0.06392	\$0.04548	\$0.01654	\$0.00190

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FUEL AND PURCHASED POWER COST ADJUSTMENTS FACTOR HISTORY
(SERVICE AT TRANSMISSION DELIVERY, WHOLESALE)

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**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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(SERVICE AT CHUGACH RETAIL DELIVERY)**

For Rates Effective	Primary Voltage (Rate per kWh)			Secondary Voltage (Rate per kWh)		
	Total (1)	Fuel Cost	Purchased Power Cost	Total	Fuel Cost	Purchased Power Cost
January 1, 2004	\$0.00908	-----	-----	\$0.00936	-----	-----
April 1, 2004	\$0.01389	-----	-----	\$0.01432	-----	-----
July 1, 2004	\$0.01108	-----	-----	\$0.01142	-----	-----
October 1, 2004	\$0.01381	-----	-----	\$0.01424	-----	-----
January 1, 2005	\$0.01012	-----	-----	\$0.01043	-----	-----
April 1, 2005	\$0.01425	-----	-----	\$0.01469	-----	-----
July 1, 2005	\$0.01719	-----	-----	\$0.01772	-----	-----
September 1, 2005	\$0.01985	-----	-----	\$0.02046	-----	-----
January 1, 2006	\$0.02990	-----	-----	\$0.03082	-----	-----
April 1, 2006	\$0.02782	-----	-----	\$0.02868	-----	-----
July 1, 2006	\$0.03253	-----	-----	\$0.03354	-----	-----
October 1, 2006	\$0.03610	-----	-----	\$0.03722	-----	-----
January 1, 2007	\$0.03638	-----	-----	\$0.03750	-----	-----
April 1, 2007	\$0.03312	-----	-----	\$0.03415	-----	-----
July 1, 2007	\$0.03108	-----	-----	\$0.03204	-----	-----
October 1, 2007	\$0.02900	-----	-----	\$0.02990	-----	-----
January 1, 2008	\$0.02404	-----	-----	\$0.02478	-----	-----
April 1, 2008	\$0.03019	-----	-----	\$0.03112	-----	-----
June 1, 2008 (2)	\$0.05046	-----	-----	\$0.05202	-----	-----
July 1, 2008	\$0.05781	-----	-----	\$0.05960	-----	-----
October 1, 2008	\$0.06406	-----	-----	\$0.06604	-----	-----
January 1, 2009	\$0.08815	-----	-----	\$0.09088	-----	-----
April 1, 2009	\$0.08162	\$0.07651	\$0.00511	\$0.08224	\$0.07709	\$0.00515
July 1, 2009	\$0.06388	\$0.05867	\$0.00521	\$0.06437	\$0.05912	\$0.00525
October 1, 2009	\$0.05738	\$0.05290	\$0.00448	\$0.05782	\$0.05330	\$0.00452
January 1, 2010	\$0.04658	\$0.04199	\$0.00459	\$0.04694	\$0.04231	\$0.00463
April 1, 2010	\$0.05128	\$0.04616	\$0.00512	\$0.05167	\$0.04651	\$0.00516
July 1, 2010	\$0.04616	\$0.04038	\$0.00578	\$0.04651	\$0.04068	\$0.00583
October 1, 2010	\$0.04670	\$0.04266	\$0.00404	\$0.04705	\$0.04298	\$0.00407
January 1, 2011	\$0.04722	\$0.04209	\$0.00513	\$0.04757	\$0.04241	\$0.00516
April 1, 2011	\$0.05401	\$0.04830	\$0.00571	\$0.05442	\$0.04867	\$0.00575
July 1, 2011	\$0.06270	\$0.05699	\$0.00571	\$0.06316	\$0.05741	\$0.00575
October 1, 2011	\$0.06737	\$0.06361	\$0.00376	\$0.06788	\$0.06409	\$0.00379

(1) Rate reflects 3 percent primary metering discount until March 15, 2009. After this period, rates for primary service customers reflect results of U-06-134.

(2) Fuel surcharge rates adjusted to reflect the removal of fuel and purchased power cost recovery from base energy rates.

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FUEL AND PURCHASED POWER COST ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL DELIVERY)

For Rates Effective	Total	Primary Voltage (Rate per kWh)		
		Fuel	Purchased Power	FIW Renewable Energy Adj. Factor
January 1, 2012	\$0.06924	\$0.06569	\$0.00355	----
April 1, 2012	\$0.06510	\$0.05992	\$0.00518	----
July 1, 2012	\$0.05991	\$0.05432	\$0.00559	----
October 1, 2012	\$0.05808	\$0.04882	\$0.00753	\$0.00173
January 1, 2013	\$0.05701	\$0.04211	\$0.01309	\$0.00181
February 6, 2013	\$0.05107	\$0.03479	\$0.01423	\$0.00205
April 1, 2013	\$0.04446	\$0.03858	\$0.00404	\$0.00184
July 1, 2013	\$0.04478	\$0.04234	\$0.00116	\$0.00128
October 1, 2013	\$0.04913	\$0.03876	\$0.00852	\$0.00185
January 1, 2014	\$0.04891	\$0.03779	\$0.00875	\$0.00237
April 1, 2014	\$0.05208	\$0.04530	\$0.00533	\$0.00145
July 1, 2014	\$0.05561	\$0.04883	\$0.00516	\$0.00162
October 1, 2014	\$0.05695	\$0.04634	\$0.00864	\$0.00197
January 1, 2015	\$0.06387	\$0.04727	\$0.01431	\$0.00229
April 1, 2015	\$0.06274	\$0.04955	\$0.01164	\$0.00155
May 1, 2015	\$0.04819	\$0.04430	\$0.00237	\$0.00152
July 1, 2015	\$0.04266	\$0.03603	\$0.00467	\$0.00196
October 1, 2015	\$0.04715	\$0.03369	\$0.01098	\$0.00248
January 1, 2016	\$0.04958	\$0.03239	\$0.01476	\$0.00243
April 1, 2016	\$0.05147	\$0.04130	\$0.00845	\$0.00172
July 5, 2016	\$0.05240	\$0.04314	\$0.00726	\$0.00200
October 1, 2016	\$0.05215	\$0.03854	\$0.01107	\$0.00254
January 1, 2017	\$0.05467	\$0.05067	\$0.00185	\$0.00215
April 1, 2017	\$0.05856	\$0.05322	\$0.00396	\$0.00138
July 1, 2017	\$0.06595	\$0.05295	\$0.01131	\$0.00169
October 1, 2017	\$0.06726	\$0.05303	\$0.01206	\$0.00217
January 1, 2018	\$0.06746	\$0.06178	\$0.00400	\$0.00168
April 1, 2018	\$0.06757	\$0.05859	\$0.00741	\$0.00157
July 1, 2018	\$0.06728	\$0.04919	\$0.01626	\$0.00183
October 1, 2018	\$0.06588	\$0.05305	\$0.01067	\$0.00216
January 1, 2019	\$0.06567	\$0.05104	\$0.01228	\$0.00235
April 1, 2019	\$0.06463	\$0.04035	\$0.02267	\$0.00161
July 1, 2019	\$0.06144	\$0.03177	\$0.02750	\$0.00217
September 1, 2019	\$0.06058	\$0.03088	\$0.02750	\$0.00220

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(SERVICE AT CHUGACH RETAIL DELIVERY)

For Rates Effective	Total	Primary Voltage (Rate per kWh)		FIW Renewable Energy Adj. Factor
		Fuel	Purchased Power	
October 1, 2019	\$0.06720	\$0.06382	\$0.00144	\$0.00194
November 1, 2019	\$0.06714	\$0.06376	\$0.00144	\$0.00194
January 1, 2020	\$0.06862	\$0.05946	\$0.00672	\$0.00244
April 1, 2020	\$0.06822	\$0.03927	\$0.02714	\$0.00181
July 1, 2020	\$0.06805	\$0.04333	\$0.02271	\$0.00201
October 1, 2020	\$0.06791	\$0.04832	\$0.01757	\$0.00202

ELECTRICITY

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FUEL AND PURCHASED POWER COST ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL SECONDARY VOLTAGE DELIVERY)

For Rates Effective	Total	Secondary Voltage (Rate per kWh)		
		Fuel	Purchased Power	FIW Renewable Energy Adj. Factor
January 1, 2012	\$0.06975	\$0.06618	\$0.00357	----
April 1, 2012	\$0.06558	\$0.06036	\$0.00522	----
July 1, 2012	\$0.06032	\$0.05473	\$0.00559	----
October 1, 2012	\$0.05852	\$0.04919	\$0.00759	\$0.00174
January 1, 2013	\$0.05745	\$0.04243	\$0.01319	\$0.00183
February 6, 2013	\$0.05145	\$0.03506	\$0.01433	\$0.00206
April 1, 2013	\$0.04480	\$0.03887	\$0.00408	\$0.00185
July 1, 2013	\$0.04512	\$0.04266	\$0.00117	\$0.00129
October 1, 2013	\$0.04950	\$0.03905	\$0.00858	\$0.00187
January 1, 2014	\$0.04927	\$0.03807	\$0.00881	\$0.00239
April 1, 2014	\$0.05247	\$0.04564	\$0.00537	\$0.00146
July 1, 2014	\$0.05602	\$0.04920	\$0.00520	\$0.00163
October 1, 2014	\$0.05737	\$0.46690	\$0.00870	\$0.00198
January 1, 2015	\$0.06435	\$0.04763	\$0.01442	\$0.00230
April 1, 2015	\$0.06320	\$0.04992	\$0.01172	\$0.00156
May 1, 2015	\$0.04855	\$0.04463	\$0.00239	\$0.00153
July 1, 2015	\$0.04299	\$0.03630	\$0.00471	\$0.00198
October 1, 2015	\$0.04750	\$0.03394	\$0.01106	\$0.00198
January 1, 2016	\$0.04995	\$0.03263	\$0.01487	\$0.00245
April 1, 2016	\$0.05186	\$0.04161	\$0.00851	\$0.00174
July 5, 2016	\$0.05278	\$0.04346	\$0.00731	\$0.00201
October 1, 2016	\$0.05254	\$0.03883	\$0.01115	\$0.00256
January 1, 2017	\$0.05508	\$0.05105	\$0.00187	\$0.00216
April 1, 2017	\$0.05900	\$0.05362	\$0.00399	\$0.00139
July 1, 2017	\$0.06645	\$0.05335	\$0.01140	\$0.00170
October 1, 2017	\$0.06776	\$0.05343	\$0.01215	\$0.00218
January 1, 2018	\$0.06798	\$0.06225	\$0.00403	\$0.00170
April 1, 2018	\$0.06808	\$0.05903	\$0.00747	\$0.00158
July 1, 2018	\$0.06777	\$0.04955	\$0.01638	\$0.00184
October 1, 2018	\$0.06638	\$0.05345	\$0.01075	\$0.00218
January 1, 2019	\$0.06616	\$0.05142	\$0.01237	\$0.00237
April 1, 2019	\$0.06512	\$0.04066	\$0.02284	\$0.00162
July 1, 2019	\$0.06288	\$0.03302	\$0.02772	\$0.00214
September 1, 2019	\$0.06104	\$0.03111	\$0.02771	\$0.00222

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(SERVICE AT CHUGACH RETAIL SECONDARY VOLTAGE DELIVERY)

For Rates Effective	Total	Secondary Voltage (Rate per kWh)		
		Fuel	Purchased Power	FIW Renewable Energy Adj. Factor
October 1, 2019	\$0.06770	\$0.06430	\$0.00145	\$0.00195
November 1, 2019	\$0.06764	\$0.06424	\$0.00145	\$0.00195
January 1, 2020	\$0.06913	\$0.05990	\$0.00677	\$0.00246
April 1, 2020	\$0.06873	\$0.03957	\$0.02734	\$0.00182
July 1, 2020	\$0.06857	\$0.04365	\$0.02289	\$0.00203
October 1, 2020	\$0.06841	\$0.04868	\$0.01770	\$0.00203

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TRANSFER PRICE OF CHUGACH ELECTRIC ASSOCIATION, INC.
NATURAL GAS PRODUCED FROM THE BELUGA RIVER UNIT

<u>Effective Date</u>	<u>Price (\$/Mcf)</u>
April 22, 2016	\$4.93
July 1, 2017	\$4.43
October 1, 2017	\$4.08
July 1, 2018	\$4.76
July 1, 2019	\$3.75
September 1, 2019	\$2.85
November 1, 2019	\$3.05
July 27, 2020	\$5.10

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SALE FOR RESALE

Available to either "All Power Requirements" or "Partial Requirements" Wholesale customers who have long-term special contracts with Chugach which have been approved by the Regulatory Commission of Alaska. Available from Chugach's integrated transmission system at various points of delivery.

Monthly Rates

Customer Charge:	\$150.00	per Meter
Energy Charge:		
Seward Electric System	\$0.01451	per kWh
Demand Charge:		
Seward Electric System	\$14.56	per kW

Billing Demand

For "All Requirements" consumers, the billing demand shall be the maximum 15-minute integrated demand in the billing month. For "Partial Requirements" consumers, the monthly billing demand will be the demand level specified in the consumer's contract with Chugach. The premium demand charge will be applied to each kW of peak demand in excess of the contract capacity, if Chugach supplies the power to meet the excess demand.

Power Factor

The customer will make reasonable effort to maintain unity power factor. Demand charges will be adjusted to correct for average power factors less than 90%. Such adjustments will be made by increasing the measured demand 1% for each 1% by which the average power factor is less than 90% lagging.

Fuel and Purchased Power Cost Adjustment

In accordance with Tariff Sheet Nos. 90 - 96, a surcharge reflecting the actual cost of fuel and purchased power expense will be applied to each billing for service rendered under this schedule.

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ECONOMY ENERGY TRANSACTIONS

Applicable for delivery at 69 kV or higher voltages to utilities having generation capacity available to assume their load upon termination of the transaction.

Economy energy sales from Chugach's generating resources are on a "when, as and if" available basis and shall be interruptible at Chugach's sole discretion. Service provided under this tariff does not include associated reserves. For purposes of reserve determinations, economy energy shall be considered to have been generated or provided by the purchaser.

Rate for Economy Transactions

The rate for economy energy shall be determined on a case-by-case basis as agreed between Chugach and the buyer, provided that the rate shall be between Chugach's incremental energy cost and purchaser's decremental energy cost as described below:¹

- a. Chugach's Incremental Energy Cost: The total additional fuel and variable operations and maintenance (O&M) costs, including start-up costs if a unit is started for the transaction.
- b. Buyer's Decremental Energy Cost: The total fuel and variable O&M savings from the transaction as measured by the costs avoided by the buyer from not operating its own resources. The decremental energy cost for a unit which would not operate as a result of the economy energy transaction is the average cost of power during the period of the transaction for that unit if it had been used to produce the energy purchased as economy energy.

Wheeling charges shall be assessed pursuant to Chugach's Transmission Wheeling Service tariff (Sheet No. 168; T-8 Non-Firm Point-To-Point Transmission Service) and applicable ancillary services in addition to the energy charges described herein.

Late Payment Charge: Bills will be increased 1 percent per month on amounts unpaid after 20 calendar days from the date the bill is rendered.

¹ Energy Cost when expressed as dollars per MWh (or kWh) shall be the cost for the transaction divided by the energy transaction amount.

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Regulatory Cost Charge

The Regulatory Cost Charge is a special surcharge applied to all regulated retail customer billings to pay the utility's share of the budget of the Commission.

Regulatory Cost Charge \$0.000654 per kWh

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Annual Loss Factor Update

This tariff is established in compliance with U-99-106(12). The parties¹ to Docket U-99-106 resolved the issues of the G&T loss factor calculation by agreement entitled, “Stipulation on G&T Line Loss Issues.” The stipulation references the G&T line loss factor study dated April 12, 2002 completed by Black & Veatch.

The schedule for annual loss factor updates required by Docket U-99-106(12) and the rules of the stipulation that require continuing application are set out below. The annual loss factor calculation is shown on Tariff Sheet Nos. 103.4 and 103.5.

Schedule for Annual Loss Factor Update

- 1) By February 1 of each year (or the first business day thereafter), Chugach shall submit to all parties a draft line loss factor calculation together with all work papers and references to data supporting the calculation;
- 2) By March 1 of each year, the parties must meet to discuss revised draft line loss calculations, if any. One business day before the meeting, the parties must submit to each other in writing, any revised draft line loss calculations together with work papers and references to all data necessary to support the calculation. The parties must be specific in their comments, including but not limited to, reference to specific meter errors and specific calculation errors;
- 3) By March 15 of each year, Chugach must file its line loss calculation and the parties shall file any stipulated issues along with a brief on any remaining disputed issues with the Commission; and,
- 4) By March 30 of each year, the parties may submit simultaneous reply briefs.

¹ The parties are Chugach Electric Association, Inc., Alaska Electric Generation and Transmission Cooperative, Inc. / Homer Electric Association, Inc., Homer Electric Association, Inc. and Matanuska Electric Association, Inc.

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Rules Relating to G&T Line Loss Factor Issues

- 1) A Party responsible for a boundary point meter installation shall read the meters, to the extent they exist, at each G&T system boundary point listed in Table 3-1 of the Black & Veatch Study (Study). SCADA readings, to the extent they exist, shall continue to be collected by a Party as backup information. Meters and SCADA readings shall be read monthly as close to the last hour of the month as reasonably possible for calculation purposes. SCADA data shall be gathered monthly for loss calculation purposes and as backup for metered billing information.

A Party responsible for a boundary point meter will forward the read information to Chugach within 15 days following the end of the month and to any other Party requesting such information.

- 2) Chugach will use the Study methodology in preparation of the annual G&T loss factor calculation due to the Commission on March 1 of each year. Chugach will use existing Chugach and other Parties' metering and SCADA data in the future to calculate losses in accordance with the Study example and methodology. Chugach will update the Study methodology whenever the metering at a boundary point is added, deleted, modified, or changed, or a boundary point is added or deleted from the system. Any Party proposing an update to the Study methodology shall submit in writing to all participants the full details of the proposed changes, background, and an example of the proposed new loss calculation. The Parties will respond to the proponent with written comments or with a written statement of no comment regarding the new meter within 30 days. Upon receiving comments, the proponent will consider them in good faith and reasonably incorporate such comments as appropriate. Disputes will be referred to the Commission for resolution.
- 3) Notwithstanding the Study references to ANSI Standards 12-20 and 12-16, the standard for all upgrades to existing G&T Line Loss meter boundary point (MBP) metering and all new installations of MBP metering will utilize revenue class CT's and PT's meeting ANSI standard C 57-13 and meter compliance to ANSI Std. 12-20 and 12-16 shall be limited to meeting the load performance criteria for 0.2 accuracy class meters as defined in Table 4 of ANSI 12-20-1998.
- 4) In the event that a Party proposes to install a new meter directly connected with the Chugach G&T system, the proponent will provide the other Parties with the full technical details of the new meter 60 days before purchasing it, or if already owned, 60 days before installation. These other Parties will respond to the proponent with written comments or with a written statement of no comment within 30 days regarding the new meter. The proponent will consider received comments in good faith and reasonably incorporate such comments as appropriate.

ELECTRICITY

Chugach Electric Association, Inc.

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RULES RELATING TO G&T LINE LOSS FACTOR ISSUES (CONTINUED)

- 5) Relative to the testing and inspection of all boundary point meters and SCADA system installations:
- A. Prior to testing a new or existing meter or SCADA installation, a Party will give other Parties 5 working days advance notice of the testing and an opportunity to witness the tests. A Party testing a meter system shall maintain complete test records in accordance with state law on each meter/SCADA system and will provide copy of such records to any other Party if so requested. The Party responsible for testing of a meter/SCADA system will reasonably consider all comments and make good faith efforts to make appropriate corrections or improvements. Disputes will be presented to the Commission for resolution.
 - B. Instrument transformers, wiring, and complete site testing of all metering system components will occur when the system is initially placed in service. Testing procedures shall be in accordance with applicable standards and manufacturer recommendations, or lacking that, the best local practice.
 - C. Following the successful startup site testing of all components, meters will be tested annually by the responsible Party. Testing standards and procedures will be according to applicable standards and manufacturer recommendations. Instrument transformers and wiring will be given visual and functional inspection in accordance with prudent utility practice when the meter is placed back into service.
 - D. SCADA systems readings will be read monthly and compared to meter readings. Chugach will not regularly test SCADA systems, but will instead test SCADA kWh systems when problems are identified. Typically, differences of more than two and one-half percent (2.5%) between SCADA and meter readings will be investigated and resolved.
 - E. All new kilowatt-hour (kWh) meters installed at all boundary points in the future will perform with the 0.2 accuracy class. The Parties agree that since SCADA is used to backup or validate meters, SCADA system data acquisition accuracy of 1% or better during normal operational parameters is acceptable. kWh meters, where available, will be used to calculate losses and SCADA systems used as a back up validation calculation. Discrepancies between the meters and SCADA systems will be analyzed monthly by the responsible Party, and that Party will then trouble shoot to find the related problems and correct them.

ELECTRICITY

Chugach Electric Association, Inc.

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RULES RELATING TO G&T LINE LOSS FACTOR ISSUES (CONTINUED)

- 6) Notwithstanding references in the Study, the Parties recognize that the data acquisition devices currently in use by Chugach to obtain either wholesale metering data or SCADA data are not guaranteed by their respective manufactures to meet the ANSI standards referenced in the Study. These include Schweitzer SEL 351 Relay's, Scientific Columbus 0-5 milliamp transducers and GE Harris analog data acquisition cards. The existing Chugach SCADA devices are accurate to less than 1% error. The Parties agree that the SCADA devices referenced directly above are acceptable for current and future data acquisition equipment and that all future SCADA devices will have an error level of 1% or less.
- 7) Chugach has a program of installing Schwietzer relay systems at many MBP's, and Chugach is using the kWh function of these relays as a SCADA read point. The Parties agree that the Schwietzer Relay is acceptable for use as a SCADA meter point. However, because the Schwietzer 351 relay error is greater than 0.2 %, this device is not acceptable as a primary boundary point meter system.
- 8) The Parties agree to use the formulae in Section 4.6 of the Study to compute energy losses at locations where it is not practical or cost effective to place accurate metering in the future. The Parties further agree that the formulae parameters should be updated whenever the equipment is changed and the load data should be representative of the period for which the losses are being calculated.

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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2019 Test Year

Description	Q1-19	Q2-19	Q3-19	Q4-19	Total
Energy Entering System					
Beluga Power Plant	15,599.8	8,595.9	14,439.9	31,154.6	69,790.2
IGT Power Plant	0.0	7.2	220.6	598.8	826.5
Fire Island Wind (IGT Bkr 532)	12,662.1	10,268.3	5,058.1	17,479.3	45,467.9
Southcentral Power Project	317,839.9	282,507.8	296,989.1	306,435.0	1,203,771.8
Quartz Creek Substation	31,319.0	100,893.8	57,024.7	20,374.1	209,611.6
AML&P Plant 2	29,891.9	23,907.7	15,714.1	16,954.3	86,468.0
Teeland Substation	41,954.1	78,202.0	38,133.1	6,813.5	165,102.7
University Substation Bkr 152	1,912.5	882.5	847.1	2,463.1	6,105.3
Douglas Substation	0.0	0.0	0.0	0.0	0.0
Cooper Lake Power Plant	12,519.0	10,117.3	16,692.8	12,818.1	52,147.2
AML&P to ITSS	782.7	1,673.1	335.1	37.2	2,828.2
Total Energy Entering System	464,481.1	517,055.5	445,454.8	415,127.9	1,842,119.3
Energy Leaving System					
Quartz Creek Substation	221.9	160.2	2.4	0.2	384.7
Daves Creek Substation	14,141.5	14,081.3	14,799.4	13,684.4	56,706.6
Douglas Substation	51,303.3	92,310.2	45,938.4	40,068.4	229,620.3
AML&P Plant 2	1,849.1	129.9	1,612.9	741.8	4,333.7
ITSS to AML&P	23,768.3	16,924.0	26,663.2	25,720.3	93,075.8
Teeland Substation	31,494.0	41,411.3	25,164.0	4,491.7	102,561.1
University Substation Bkr 152	24,317.3	78,554.2	51,133.9	21,055.0	175,060.5
Power Plant Station Service Totals	11,628.0	10,714.6	11,059.4	11,816.4	45,218.3
Distribution Substation Deliveries	298,531.0	251,507.6	260,196.6	289,899.4	1,100,134.6
Total Energy Leaving System	457,254.3	505,793.4	436,570.3	407,477.6	1,807,095.6
Gross Energy Losses	7,226.9	11,262.1	8,884.5	7,650.3	35,023.7
Less Transformer Losses	1,321.5	1,321.5	1,321.5	1,321.5	5,286.0
Net G&T Losses	5,905.3	9,940.6	7,562.9	6,328.8	29,737.7

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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Description	Q1-19	Q2-19	Q3-19	Q4-19	Total
Chugach Retail Distribution Losses					
Retail Receipts at Transmission Substation	298,531.0	251,507.6	260,196.6	289,899.4	1,100,134.6
Less: Chugach House Power	1,257.7	910.6	886.0	1,110.2	4,164.5
Net Receipts	297,273.3	250,597.1	259,310.6	288,789.2	1,095,970.1
Retail Sales at Delivery	286,058.5	241,658.7	249,930.7	278,092.1	1,055,739.9
Losses	11,214.8	8,938.4	9,379.9	10,697.1	40,230.2
Add: 1/2 House Power	628.9	455.3	443.0	555.1	2,082.2
Adj. Retail Dist. Losses	11,843.6	9,393.6	9,822.9	11,252.2	42,312.4
At Delivery	4.140%	3.887%	3.930%	4.046%	4.008%
At Transmission Substation	3.984%	3.749%	3.788%	3.896%	3.861%
Adjustment of G&T Losses for House Power					
G&T Deliveries	312,674.0	265,588.9	274,996.0	303,583.7	1,156,842.6
Net G&T Losses	5,905.3	9,940.6	7,562.9	6,328.8	29,737.7
Add: 1/2 House Power	628.9	455.3	443.0	555.1	2,082.2
Adjusted G&T Losses	6,534.2	10,395.9	8,006.0	6,883.9	31,819.9
At Delivery	2.090%	3.914%	2.911%	2.268%	2.751%
At Generation	2.047%	3.767%	2.829%	2.217%	2.677%

¹ G&T loss factor effective for the allocation of actual costs beginning January 1, 2020.

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**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
- Font and Format May Vary – Content is Identical****10 Non-Utility Generation Interconnection And Operating Guidelines, And Purchases And Sales Of Electric Power To And From Qualifying Facilities**

This tariff: 1) Establishes interconnection guidelines applicable to all Non-Utility Generators (including Qualifying Facilities); and, 2) Establishes tariffs for pricing, terms and conditions for purchases from and sales to Qualifying Facilities as required under 3 AAC 50.790.

10.1 Definitions

- (a) Interconnection: Electrical connection of Non-Utility Generation facilities with the Chugach electrical system.
- (b) Non-Utility Generation or Non-Utility Generator: Any electrical generation source not owned or operated by an electric utility certificated by the Regulatory Commission of Alaska.
- (c) Parallel Operation: The condition where a Non-Utility Generator operates while electrically connected to the Chugach system. Under this condition, electric power can flow from the Chugach system to the Producers' facility or from the Producer's facility into the Chugach system.
- (d) Qualifying Facility: A Qualifying Facility as defined under currently effective federal law (18 C.F.R. Part 292).
- (e) Integration Services: Services necessary to integrate non-utility generation into Chugach's electric transmission and / or distribution system in a manner such that all operational and reliability criteria are met. Integration services include but are not limited to regulating reserves, imbalance service, and dispatch and scheduling. Integration costs are project specific and determined through a required integration study completed by Chugach.

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10.2 Interconnection and Operating Guidelines for Non-Utility Generation

The following guidelines apply to Non-Utility Generators that are electrically Interconnected to the Chugach system and in Parallel Operation including standby/buyback customers and Qualifying Facilities

(a) Required Disclosures

At a minimum, an applicant requesting Interconnection shall initially provide the information listed below in a form and in sufficient detail to allow Chugach to perform an initial review of the project and anticipated Interconnection charges to the applicant.

- 1) Detailed information on the exact location of facilities.
- 2) Specific information on the location of all proposed electrical Interconnections related to each project, including both Interconnections with Chugach and with electric loads served by the projects.
- 3) Electrical characteristics of the facility in its various modes (generation, purchase of power from Chugach) including anticipated seasonal or time of day variations or limitations.
- 4) Power quality information.
- 5) Line configuration and transformer connections.
- 6) Other Interconnection specifications.
- 7) All diagrams relating to each project that relate to information requested in this list.
- 8) Type of equipment planned.

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10.2 Interconnection and Operating Guidelines for Non-Utility Generation (Continued)

- 9) Equipment availability, including any anticipated lead times for receipt of equipment.
- 10) Timing of anticipated service requirements.
- 11) Description of planned maintenance outages and unscheduled outages, including the basis for this description.
- 12) All other information reasonably required by Chugach for the purpose set out above.

(b) Terms and Conditions of Service

- 1) Non-Utility Generators may Interconnect in Parallel Operation with the Chugach electric system provided there are no adverse effects to Chugach consumers, personnel, equipment or system operation.
- 2) Installation and operation of Non-Utility Generators must be in conformance with Chugach requirements and all applicable federal, state and local safety codes and regulations. At a minimum, interconnections must be consistent with the most current interconnection standards approved by the Commission and with IEEE 1547 standards.
- 3) A Non-Utility Generator may not commence Parallel Operation of generation facilities without final written approval from Chugach. Chugach shall have the right to require inspection, or witness testing of the Non-Utility Generators' equipment or devices associated with the Interconnection by qualified third parties.
- 4) Chugach shall have the right to disconnect a Non-Utility Generator from its system without notice if a hazardous condition exists in the equipment of the Non-Utility Generator and immediate action is necessary to protect persons, utility facilities, or other customers' facilities from damage or interference imminently likely to result from the hazardous condition. Not later than 10 calendar days after disconnection of service, Chugach will notify the Non-Utility Generators in writing of the reasons for the disconnection.

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10.2 Interconnection and Operating Guidelines for Non-Utility Generation (Continued)

- 5) Chugach will estimate its costs related to the applicant's proposed Interconnection. The applicant will be responsible for full payment of the costs Chugach would not have incurred but for the applicant's Interconnection.
- 6) Each Non-Utility Generator installation shall have telephone service at each metering/recording point for use by Chugach. Either dedicated or shared telephone lines may be used. Monthly telephone charges will be pay by the Non-Utility Generator.
- 7) The applicant has the option of reimbursing Chugach for Interconnection costs not in excess of \$5,000 up to a 5 year repayment period provided the applicant shall provide reasonable security assuring Chugach that it will recover the full amount of its advance of Interconnection costs plus interest. Interest charges will be assessed at 10.5 percent per annum compounded daily. Terms and conditions for the financing of Interconnection costs that exceed the \$5,000 limit shall be evaluated on a case-by-case basis through discussions between Chugach and the applicant. If Chugach and the applicant are unable to reach agreement, the question may be brought by either party to the Commission for adjudication.
- 8) Interconnection must be implemented in such a way that system disturbances do not result in portions of the Chugach system becoming islanded with the applicant's facility.

(c) Classification of Non-Utility Generation Installations

Chugach's guidelines for Interconnection and operation are segregated between installations containing a nameplate capacity up to and including 5 MVA that are Interconnected at voltages less than 34.5 on Chugach's Distribution system, and installations with a nameplate capacity that exceed 5 MVA and Interconnect at or above 34.5 kV.

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10.2 Interconnection and Operating Guidelines for Non-Utility Generation (Continued)

(d) Interconnection Application Procedures: 5 MVA or Less

Any Non-Utility Generator with a nameplate capacity of 5 MVA or less intending to Interconnect and operate generation in parallel with the Chugach electric system is required to follow the technical Interconnection and operational requirements contained in Chugach's Interconnection Guidelines for Non-Utility Generation (Appendix C). These guidelines contain the general requirements and technical operating parameters for Interconnecting Non-Utility Generation on the Chugach system.

Non-Utility Generation for installations of 5 MVA or less are categorized as Class A, B, C and D.

Class A Facilities: Installations containing a nameplate capacity up to 10 KVA where the stiffness ratio at the point of Interconnection with the Chugach system is at least 100.

Class B Facilities: Installations containing a nameplate capacity from 10 KVA up to 100 KVA where the stiffness ratio at the point of Interconnection with the Chugach system is at least 50.

Class C Facilities: Installations containing a nameplate capacity from 100 KVA up to 1,000 KVA where the stiffness ratio at the point of Interconnection with the Chugach system is at least 30.

Class D Facilities: Installations containing a nameplate capacity from 1,000 KVA up to 5,000 KVA where the stiffness ratio at the point of Interconnection with the Chugach system is at least 20.

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10.2 Interconnection and Operating Guidelines for Non-Utility Generation (Continued)

Separate “In-and-Out Metering” shall be utilized to capture real and reactive power flows into and out of a producer’s facility. However, for Class A facilities, the Non-Utility Generator has the option of having a single detent meter used during Parallel Operation. A detent meter is a watt-hour meter that measures power flows in a forward direction to measure kWh sold by Chugach to a Non-Utility Generator.

(e) Interconnection Application Procedures: Greater than 5 MVA

Interconnection and operation of Non-Utility Generator installations with a nameplate capacity exceeding 5 MVA will be completed under a separate contract between Chugach and the applicant. The contract will require approval of the Regulatory Commission of Alaska prior to commencement of Parallel Operation with the Chugach system.

The applicant is required to submit a completed application form entitled, “Application for Interconnection of Electric Power Sources Greater than 5 MVA to the Power Transmission Grid” (see Appendix D). The applicant must provide Chugach with a complete design package that allows for generating system classification, thorough review of the proposed Interconnection facilities, and analyses of the impact of the proposed Interconnection on the Chugach system.

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10.3 Power Purchases From Qualifying Facilities

(a) Purpose

The purpose of this tariff is to establish the price, terms and conditions generally applicable to power purchases under 3 AAC 50.790 from a Qualifying Facility.

(b) General Principles

Chugach will purchase firm and non-firm energy from Qualifying Facilities in conformance with standard cost of service principles. Rates established hereunder:

- 1) Must be just and reasonable, shall not unreasonably discriminate against Qualifying Facilities, and must not adversely affect Chugach consumers;
- 2) Shall not require Chugach to pay more than its avoided costs for power or energy purchased from a Qualifying Facility, except by agreement in a special contract per 3AAC50.770(h);
- 3) Shall reflect costs associated with integration services;
- 4) Are available only to Qualifying Facilities;
- 5) Shall apply only so long as the penetration of all Non-Utility Generators (excluding dispatchable generators for which Chugach has contracted to dispatch) is below 10MW of installed capacity on the Chugach Electric System. If and when such non-utility generation levels reach a total nameplate capacity of 9 MW, Chugach shall submit a report to the Commission addressing whether the 10 MW limit continues to be appropriate, including proposed revisions to tariff language, if necessary; and
- 6) Chugach shall not be required to purchase power from a Qualifying Facility if, due to operational circumstances, purchases result in costs greater than those which Chugach would have incurred if it had not made such purchases but had instead generated or purchased an equivalent amount of power. If Chugach determines that ongoing purchases will result in costs greater than those which Chugach would have incurred if it had not made such purchases, Chugach shall notify each affected Qualifying Facility in writing in time for the Qualifying Facility to stop the delivery of electric power to Chugach, or, if such notice is not possible under the circumstances shall pay the expense it would have incurred had power continued to be purchased from the Qualifying Facility at established rates during the same period.

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10.3 Power Purchases From Qualifying Facilities (Continued)

(c) Required Disclosures

At a minimum, an applicant requesting status as a Qualifying Facility shall initially provide the information listed below in a form and in sufficient detail to allow Chugach to a) confirm that the entity meets the most current standards for a qualifying utility, b) perform an initial review of the project and, if required, c) to begin developing rates for purchases from the Qualifying Facility.

- 1) Qualifying Facilities shall provide the information required under Interconnection and Operating Guidelines for Non-Utility Generation, section (b) Required Disclosures as set out above but shall do so as needed to conform to the purposes set out under this section.
- 2) Site control information (land ownership and use rights).
- 3) Curves showing the shapes of anticipated electric power production. These should be for representative time periods to reflect anticipated seasonal or time of day variations or limitations.
- 4) Description of suppliers of fuel, water or other essential supplies, including any contracts or solicitations for these supplies.
- 5) Identity of the proposed owners of the Qualifying Facility.
- 6) Financing.
- 7) All concluded or proposed contracts, agreements, solicitations or arrangements (including heat or electric power sales) of any sort that relate to each project.

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10.3 Power Purchases From Qualifying Facilities (Continued)

- 8) As to customers of the Qualifying Facility that the Qualifying Facility intends to sell heat supply information about:
 - i) Curves showing the shapes of anticipated electric power production as they relate to supply of heat to customers obtaining heat from each project.
 - ii) Thermal host names and addresses.
 - iii) Thermal host requirements (including seasonal heat load profiles).
- 9) All other information reasonably required by Chugach for the purposes set out above.

(d) Chugach Evaluation of Application

Within 90 days after receipt of complete information sufficient for the purposes stated above, Chugach shall review the information, determine whether, based on the information presented, the proposed project may be a valid Qualifying Facility and notify the applicant of its preliminary determination.

If Chugach determines, based on the information presented, the proposed project may be a valid Qualifying Facility, it shall develop a preliminary cost estimate of needed Interconnection study and any other reasonably needed engineering services and develop a contract requiring payment by the Qualifying Facility for these services all within 120 days after receipt of complete information.

If the applicant has not obtained formal Federal Energy Regulatory Commission (FERC) certification that the project is a Qualifying Facility, and Chugach determines that the facility is not a valid Qualifying Facility or in its reasonable judgment no determination of whether the proposed project is a valid Qualifying Facility can be made, either the applicant or Chugach may request that the Regulatory Commission of Alaska determine whether Chugach must treat the project as a Qualifying Facility.

Notwithstanding this review process, either the applicant or Chugach may seek a formal determination by the FERC whether the project is a Qualifying Facility. If the applicant obtains formal FERC certification not subject to further appeal that it is a Qualifying Facility, or if Chugach does not challenge the Regulatory Commission of Alaska's determination that the project must be treated as a Qualifying Facility, Chugach shall be obligated to follow the procedures in this tariff applicable to a Qualifying Facility notwithstanding any prior contrary determination by Chugach.

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10.3 Power Purchases From Qualifying Facilities (Continued)

Class D and larger Non-Utility Generators must first obtain Commission certification (i.e. FERC certification as distinct from FERC self-certification) as a Qualifying Facility before Chugach shall be obligated to follow the procedures in this tariff applicable to a Qualifying Facility.

(e) Qualifying Facilities with Capabilities of 5 MVA or Less with Distribution System Interconnection

- 1) Non-firm purchases: Rates for purchases of non-firm power from a Qualifying Facility with a rated capability equal to or less than 5 MVA shall be determined at the time the applicant has provided the above information. For generators up to and including 200 KVA of capacity, the rate shall be that shown on Tariff Sheet 97. For generators larger than 200 KVA of capacity, the rate shall be determined as provided on Tariff Sheet 89.4.2.

Within 60 days after a request for Interconnection, Chugach shall provide the requesting Qualifying Facility with a preliminary calculation of the non-firm avoided cost rate for a period not to exceed 5 years; provided, however, that the rate actually paid by Chugach shall be that established from time to time according to the method described in Tariff Sheet 97 or Tariff Sheet 89.4.2, and subject to the rules set out in the “General Provisions” portion of this tariff.

- 2) Firm purchases: No avoided costs shall be paid for avoided capacity for power from a Qualifying Facility with a rated capability equal to or less than 5 MVA unless the process described below for establishing rates for Qualifying Facilities with capabilities greater than 5 MVA is completed.

To the extent that Chugach and a Qualifying Facility are unable to agree on rates to be paid to a Qualifying Facility, disputes may be brought before the Commission for decision pursuant to 3 AAC 50. 810.

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10.3 Power Purchases From Qualifying Facilities (Continued)

- (f) Qualifying Facilities with Capabilities Greater than 5 MVA or which Interconnect to Chugach’s Sub-transmission or Transmission system.

For Qualifying Facilities with capabilities greater than 5 MVA or which Interconnect to Chugach’s sub-transmission or transmission system Chugach shall review the required disclosures for the proposed project, verify valid of the Qualifying Facility as set out above under “Required Disclosures” and develop a preliminary cost estimate of needed study and contract requiring payment by the Qualifying Facility.

Once the Interconnection study has been conducted, Chugach shall prepare a proposed rate for purchases from the Qualifying Facility based on avoided cost principles and enter into good faith negotiation of a power purchase agreement with the Qualifying Facility.

Factors relating to Chugach’s ability to avoid costs shall be adjusted based on factors, including but not limited to adjustments for factors set out in 18 C.F.R. 292.304(e) which include:

- 1) Availability of capacity or energy from a Qualifying Facility during the system daily and seasonal peak periods, including:
 - i) The ability to dispatch the Qualifying Facility;
 - ii) Reliability of the Qualifying Facility;
 - iii) Terms of any contract that affect the avoided cost value to Chugach of the Qualifying Facility;
 - iv) The ability of the Qualifying Facility to be scheduled in ways which allow Chugach to avoid costs;
 - v) Usefulness of the Qualifying Facility during emergencies;

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10.3 Power Purchases From Qualifying Facilities (Continued)

- vi) The individual and aggregate value of energy and capacity from qualifying facilities on Chugach's electrical system; and
- vii) Impacts, if any, of capacity increments and lead times for construction of the Qualifying Facility.

To the extent that Chugach and the Qualifying Facility are unable to agree on rates and other terms and conditions of a power sales and purchase agreement covering purchases by Chugach from the Qualifying Facility those disputed terms and conditions may be brought before the Commission for decision pursuant to 3 AAC 50. 810.

10.4 Power Sales To Qualifying Facilities

Sales of electric power to a Qualifying Facility that supplies some of its electric power from its own Interconnected resources shall be at the applicable Standby and Buyback rate under Sheets 89.4 through 89.4.3. Where the Qualifying Facility does not supply any of its electric power from its own Interconnected resources it will be charged for power sold to the Qualifying Facility by Chugach at the applicable commercial rate commensurate with the size of the Interconnecting Qualifying Facility.

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11. COMMON TRANSMISSION SERVICE PROVISIONS

11.1 General

The terms of this Rule of the Tariff are applicable to all Eligible Customers and Transmission Customers transmitting capacity and energy on Transmission Provider's Transmission System. The provisions of this Tariff are not intended, nor should be construed, to indicate that Chugach Electric Association, Inc. is offering any type or form of retail wheeling. If, however, the Eligible Customer or Transmission Customer is part of a transmission services arrangement in which the Transmission Provider is involved, those terms and conditions will govern where applicable.

11.2 Definitions Relating to Transmission Service

- (a) Ancillary Services: Those services necessary to support the transmission of capacity and energy from resources to loads while maintaining reliable operation of the Transmission Provider's Transmission System in accordance with Good Utility Practice.
- (b) Application For Transmission Service: A written request for transmission service by an Eligible Customer in a form approved by Transmission Provider pursuant to the provisions of the Tariff.
- (c) Commission: The Regulatory Commission of Alaska.
- (d) Completed Application For Transmission Service: An Application For Transmission Service that satisfies all of the information and other requirements of the Tariff, including any required deposit.
- (e) Curtailement: A reduction in firm or non-firm transmission service by Transmission Provider in response to a transmission capacity shortage due to system reliability issues or other emergency conditions.
- (f) Delivering Party: The entity supplying capacity and energy to be transmitted at Point(s) of Receipt.

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- (g) Designated Agent: Any entity, or person, that performs actions or functions on behalf of the Transmission Provider, an Eligible Customer, or the Transmission Customer required under the Tariff.
- (h) Direct Assignment Facilities: Facilities or portions of facilities that are constructed by the Transmission Provider for the sole use and/or benefit of a particular Transmission Customer requesting service under the Tariff. Direct Assignment Facilities shall be specified in the Service Agreement that governs service to the Transmission Customer.
- (i) Eligible Customer: Any electric utility (including the Transmission Provider) or any person generating electric energy for resale that holds a Certificate of Public Convenience and Necessity from the Commission is an Eligible Customer under the Tariff or an entity exempt from regulation under AS 42.05.711(r).
- (j) Facilities Study: An engineering study conducted in accordance with the methodologies outlined in Appendix E-4 and Appendix E-5 by the Transmission Provider, or its designee, to determine the required modifications to the Transmission Provider's Transmission System, including the cost and scheduled completion date for such modifications, that will be required to provide the requested transmission service. The cost of any Facilities Study is the responsibility of the requesting party.
- (k) Firm Point-To-Point Transmission Service: Transmission Service under this Tariff that is reserved and/or scheduled between specified Points of Receipt and Delivery pursuant to Rule 12 of this Tariff.
- (l) Good Utility Practice: Any of the practices, methods and acts engaged in or approved by a significant portion of the electric utility industry during the relevant time period, or any of the practices, methods and acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to be acceptable practices, methods, or acts generally accepted in the region.

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11.2 Definitions Relating to Transmission Service (Continued)

- (m) Interruption: A reduction in non-firm transmission service due to economic reasons pursuant to Rule 12.2(g).
- (n) Long-Term Firm Point-To-Point Transmission Service: Firm Point-To-Point Transmission Service with a term of one (1) year or more.
- (o) Native Load Customers: The wholesale and retail power customers of the Transmission Provider on whose behalf the Transmission Provider, by statute, franchise, regulatory requirement, or contract, has undertaken a priority obligation to construct and operate the Transmission Provider's system to meet the reliable electric needs of such customers.
- (p) Network Upgrades: Facilities or a portion of facilities that are added or upgraded by the Transmission Provider to the Transmission System in order to accommodate Eligible Customer's transmission service request.
- (q) Non-Firm Point-To-Point Transmission Service: Point-To-Point Transmission Service under the Tariff that is reserved and scheduled on an as-available basis and is subject to Curtailment or Interruption as set forth in Rule 12.2(g) of this Tariff. Non-Firm Point-To-Point Transmission Service is available on a stand-alone basis for a period ranging from one hour to one month.
- (r) Parties: The Transmission Provider and the Transmission Customer receiving service pursuant to Rule 11 and Rule 12 of the Tariff.
- (s) Point(s) of Delivery: Point(s) on the Transmission Provider's Transmission System where capacity and energy transmitted by the Transmission Provider will be made available to the Receiving Party under Rule 12 of the Tariff. The Point(s) of Delivery shall be specified in the Service Agreement for Firm Point-To-Point Transmission Service – see Appendix E-1 and E-2.
- (t) Point(s) of Receipt: Point(s) of interconnection on the Transmission Provider's Transmission System where capacity and energy will be made available to the Transmission Provider by the Delivering Party under Rule 12 of the Tariff. The Point(s) of Receipt shall be specified in the Service Agreement for Firm Point-To-Point Transmission Service – see Appendix E-1 and E-2.

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11.2 Definitions Relating to Transmission Service (Continued)

- (u) Point-To-Point Transmission Service: The reservation and transmission of capacity and energy on either a firm or non-firm basis from the Point(s) of Receipt to the Point(s) of Delivery under Rule 12 of the Tariff.
- (v) Real Power Losses: A Real Power Loss is the normal loss of energy during transmission.
- (w) Receiving Party: The entity receiving the capacity and energy transmitted by the Transmission Provider to Point(s) of Delivery.
- (x) Reseller: The entity receiving rights under a Service Agreement as more fully described in Rule 12.11.
- (y) Reserved Capacity: The amount of capacity and energy that the Transmission Provider agrees to transfer for the Transmission Customer over the Transmission Provider's Transmission System between the Point(s) of Receipt and the Point(s) of Delivery. Reserved Capacity shall be expressed in terms of whole megawatts on a sixty (60) minute interval (commencing on the clock hour) basis.
- (z) Service Agreement for Point-to-Point Transmission Service ("Service Agreement"): For purposes of Rule 11 and Rule 12 of the Tariff, the initial agreement and any amendments or supplements thereto entered into by the Transmission Customer and the Transmission Provider for service under the Tariff. See Appendix E-1 and Appendix E-3.
- (aa) Service Commencement Date: The date the Transmission Provider begins to provide service pursuant to the terms of an executed Service Agreement, or the date the Transmission Provider begins to provide service in accordance with the Tariff.
- (bb) Shedding: The systematic reduction of system demand by temporarily decreasing load in response to transmission system or area capacity shortages, system instability, or voltage control considerations, also known as Shedding In Lieu of Spin (SILOS).
- (cc) Short-Term Firm Point-To-Point Transmission Service: Firm Point-To-Point Transmission Service with a term of less than one (1) year.

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11.2 Definitions Relating to Transmission Service (Continued)

- (dd) System Impact Study: An assessment by the Transmission Provider, or its designee, of (i) the adequacy of the Transmission System to accommodate a request for Firm Point-To-Point Transmission Service and (ii) whether any additional costs may be incurred in order to provide transmission service. The cost of any System Impact Study is the responsibility of the requesting entity.
- (ee) Third-Party Sale: Any sale for resale to a power purchaser.
- (ff) Transmission Customer: Any Eligible Customer (or its Designated Agent) that executes a Service Agreement with the Transmission Provider. This term is used in Rule 11 Common Transmission Service Provisions to include customers receiving transmission service under Rule 12 of this Tariff.
- (gg) Transmission Provider: Chugach Electric Association, Inc.
- (hh) Transmission Service: Point-To-Point Transmission Service provided under Rule 12 of the Tariff.
- (ii) Transmission System: The facilities owned, controlled or operated by the Transmission Provider that are used to provide transmission service under Rule 12 of the Tariff.
- (jj) Wheel Through Transaction or Through Transaction: A "wheel-through transaction" or a "through transaction" is transmission from an initiating control area, then passing through a second control area, and finally to a control area on the other side of the second control area where each control area adheres to or arranges for provision of essentially similar reliability obligations, including obligations to provide spinning and operating reserves during the period of the transaction.
- (kk) Working Day: Monday through Friday, excluding public holidays recognized by the Commission.

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For purposes of determining whether existing capability on the Transmission Provider's Transmission System is adequate to accommodate a request for firm service under this Tariff, all Completed Applications for new firm transmission service received during the initial sixty (60) day period commencing with the effective date of the Tariff will be deemed to have been filed simultaneously. A lottery system conducted by Chugach shall be used to assign priorities for Completed Applications filed simultaneously. All Completed Applications for firm transmission service received after the initial sixty (60) day period shall be assigned a priority pursuant to Rule 12.1(b).

11.4 Bradley Lake Services Agreement Rights Unaffected

This tariff does not change any rights of the parties under the Services Agreement for Bradley Lake Energy.

11.5 Ancillary Services

Ancillary Services are required with transmission service to maintain reliability within and among the portion(s) of the service territory area affected by the transmission service requested by Transmission Customer. The Transmission Provider is required to offer, and the Transmission Customer is required to purchase: (i) Scheduling, System Control and Dispatch (Rate Schedule T-1), and (ii) Reactive Supply and Voltage Control from Generation Sources (Rate Schedule T-2). The Transmission Customer is required to acquire these Ancillary Services from the Transmission Provider.

The Transmission Provider is required to offer: (iii) Regulation and Frequency Response (Rate Schedule T-3), (iv) Energy Imbalance (Rate Schedule T-4), (v) Operating Reserve - Spinning Reserve Service (Rate Schedule T-5), and (vi) Operating Reserve - Supplemental Reserve Service (Rate Schedule T-6). The Transmission Customer may not decline the Transmission Provider's offer of these Ancillary Services and instead self-supply or supply these Ancillary services from a third party unless the Transmission Customer demonstrates, to the Transmission Provider's satisfaction, that it can provide, or it has acquired, the additional Ancillary Services from another source acceptable to Transmission Provider. In this case, the Transmission Customer must identify in its Application For Transmission Service how it will satisfy this obligation, including which Ancillary Services it will purchase from the Transmission Provider. In all cases, Scheduling, System Control and Dispatch services and Reactive Supply and Voltage Control from Generation Sources services must be provided directly by the Transmission Provider.

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11.5 Ancillary Services (Continued)

A Transmission Customer that exceeds its firm reserved capacity at any Point of Receipt or Point of Delivery or an Eligible Customer that uses Transmission Service at a Point of Receipt or Point of Delivery that it has not reserved is required to pay for all of the Ancillary Services identified in this Rule that were provided by the Transmission Provider associated with the unreserved service. The Transmission Customer or Eligible Customer will pay for Ancillary Services in accordance with the provisions of Rule 12.1(g) in the case of firm service and Rule 12.2(e) in the case of non-firm service.

The specific Ancillary Services, prices and/or compensation methods are described on the Schedules that are attached to and made a part of the Transmission Tariff. The tariffed Ancillary Services are:

- (a) Scheduling: System Control and Dispatch Service. The rates and/or methodology are described in Rate Schedule T-1.
- (b) Reactive Supply and Voltage Control from Generation Sources Service: The rates and/or methodology are described in Rate Schedule T-2.
- (c) Regulation and Frequency Response Service: The rates and/or methodology are described in Rate Schedule T-3.
- (d) Energy Imbalance Service: The rates and/or methodology are described in Rate Schedule T-4.
- (e) Operating Reserve - Spinning Reserve Service: The rates and/or methodology are described in Rate Schedule T-5.
- (f) Operating Reserve - Supplemental Reserve Service: The rates and/or methodology are described in Rate Schedule T-6.

11.6 Reciprocity

A Transmission Customer receiving transmission service under this Tariff agrees to provide comparable transmission service that it is capable of providing to the Transmission Provider on similar terms and conditions over facilities used for the transmission of electric energy owned, controlled or operated by the Transmission Customer and over facilities used for the transmission of electric energy owned, controlled or operated by the Transmission Customer's corporate affiliates.

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11.6 Reciprocity (Continued)

This reciprocity requirement applies not only to the Transmission Customer that obtains transmission service under the Tariff, but also to all parties to a transaction that involves the use of transmission service under the Tariff, including the power seller, buyer and any intermediary, such as a power marketer. This reciprocity requirement also applies to any Eligible Customer that owns controls or operates transmission facilities that uses an intermediary, such as a power marketer, to request transmission service under the Tariff. If the Transmission Customer does not own, control or operate transmission facilities, it must include in its Application a sworn statement of one of its duly authorized officers or other representatives that the purpose of its Application is not to assist an Eligible Customer to avoid the requirements of this provision.

11.7 Billing and Payment

- (a) Billing Procedure: Within a reasonable time after the first day of each month, the Transmission Provider shall submit an invoice to the Transmission Customer for the charges for all services furnished under the Tariff during the preceding month. The Transmission Customer will be billed each month for the charges in the transmission rate schedules governing Ancillary Services and Reserved Capacity using the monthly rate or one-twelfth (1/12) of the yearly rate accordingly. The invoice shall be paid by the Transmission Customer within twenty (20) calendar days of receipt. All payments shall be made in immediately available funds payable to the Transmission Provider, or by wire transfer to a bank named by the Transmission Provider. If day 20 falls on a weekend or holiday, payment is to be made on the next business day.
- (b) Interest on Unpaid Balances: Interest on any unpaid amounts (including amounts placed in escrow) shall be calculated in accordance with Commission regulations. Interest on delinquent amounts shall be calculated from the due date of the bill to the date of payment. Bills will be increased 1 percent per month on amounts unpaid after 20 calendar days from the date the bill is rendered, not to exceed the regulations under AS 45.45.010(a). When payments are made by mail, bills shall be considered as having been paid on the date of receipt by the Transmission Provider.

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11.7 Billing and Payment (Continued)

- (c) Customer Default: In the event the Transmission Customer fails, for any reason other than a billing dispute as described below, to make payment to the Transmission Provider on or before the due date as described above, and such failure of payment is not corrected within thirty (30) calendar days after the Transmission Provider notifies the Transmission Customer to cure such failure, a default by the Transmission Customer shall be deemed to exist. Upon the occurrence of a default, the Transmission Provider may immediately terminate Transmission Service under the Tariff until the default is cured.

In the event of a billing dispute between the Transmission Provider and the Transmission Customer, the Transmission Provider will continue to provide service under the Service Agreement as long as the Transmission Customer (i) continues to make all payments not in dispute, and (ii) pays into an independent escrow account an amount equal to the portion of the invoice in dispute, pending resolution of such dispute. If the Transmission Customer fails to meet these two requirements for continuation of service during a billing dispute, then the Transmission Provider may provide notice to the Transmission customer of its intention to terminate transmission service in thirty (30) days.

11.8 Regulatory Filings

Nothing contained in the Tariff or any Service Agreement shall be construed as affecting in any way the right of the Transmission Provider to unilaterally make application to the Commission for a change in rates, terms and conditions, charges, classification of service, or form of Service Agreement pursuant to the Commission's rules and regulations.

Nothing contained in the Tariff or any Service Agreement shall be construed as affecting in any way the ability of any Party receiving service under the Tariff to exercise its rights under the Commission's rules and regulations promulgated thereunder.

ELECTRICITY

Chugach Electric Association, Inc.

**ELECTRONIC REPLICATION OF SHEET ON FILE WITH RCA
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- (a) Force Majeure: With respect to transmission services provided in accordance with the provisions of Rule 11 and Rule 12 of the Tariff, an event of *Force Majeure* means any act of God, labor disturbance, act of the public enemy, war, insurrection, riot, fire, storm or flood, explosion, breakage or accident to machinery or equipment, any Curtailment, order, regulation or restriction imposed by governmental military or lawfully established civilian authorities, or any other cause beyond a party's control. A *Force Majeure* event does not include an act of negligence or intentional wrongdoing. Neither the Transmission Provider nor the Transmission Customer will be considered in default as to any obligation under this Tariff if prevented from fulfilling the obligation due to an event of *Force Majeure*. However, a Party whose performance under this Tariff is in any way hindered by an event of *Force Majeure* shall make all reasonable efforts to perform its obligations under this Tariff.
- (b) Indemnification: The Transmission Customer shall at all times indemnify, defend, and save the Transmission Provider harmless from, any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the Transmission Provider's performance of its obligations under this Tariff on behalf of the Transmission Customer, except in cases of gross negligence or intentional wrongdoing by the Transmission Provider.

11.10 Creditworthiness

For the purpose of determining the ability of the Transmission Customer to meet its obligations related to service hereunder, the Transmission Provider may require reasonable credit review procedures. This review shall be made in accordance with standard commercial practices used by the Transmission Provider. In addition, the Transmission Provider may require the Transmission Customer to provide and maintain in effect during the term of the Service Agreement, an unconditional and irrevocable letter of credit as security to meet its responsibilities and obligations under the Tariff, or an alternative form of security proposed by the Transmission Customer and acceptable to the Transmission Provider and consistent with commercial practices established by the Uniform Commercial Code, that would serve to protect the Transmission Provider against the risk of non-payment.

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11.11 Dispute Resolution Procedures

A Transmission Customer who believes that the Transmission Provider has violated its Tariff or Service Agreement may submit the matter for review under the following complaint procedure.

Step 1: The Transmission Customer should report the complaint to the designated representative of Transmission Provider. The Transmission Provider will respond to the substance of each complaint in a timely manner. If a representative of Transmission Provider is unable to resolve a complaint, the employee will refer the matter to the Director of System Control for the Transmission Provider, who will make every effort to resolve the matter.

Step 2: If the Transmission Customer disagrees with the Transmission Provider's resolution of the complaint, the Transmission Customer may set out the complaint in writing and address it to the Transmission Provider's Chief Executive Officer.

Step 3: If the Transmission Provider's Chief Executive Officer does not resolve the complaint to the Customer's satisfaction, the Transmission Customer may refer the matter to the Regulatory Commission of Alaska (RCA), at 701 W. 8th Avenue, Suite 300, Anchorage, Alaska 99501-3469. The Commission's telephone number is (907) 276-6222.

Moreover, if the Transmission Customer does not receive a timely response to a complaint during the dispute resolution process outlined herein, the Transmission Customer may appeal directly to the RCA.

12. POINT-TO-POINT TRANSMISSION SERVICE

The Transmission Provider will provide Firm Point-To-Point Transmission Service and Non-Firm Point-to-Point Transmission Service pursuant to the applicable terms and conditions of this Tariff. Point-To-Point Transmission Service is for the receipt of capacity and energy at designated Point(s) of Receipt and the transfer of such capacity and energy to designated Point(s) of Delivery. As set forth in this Rule 12, Point-To-Point Transmission Service transactions may give rise to several component charges.

12.1 Nature of Firm Point-To-Point Transmission Service

- (a) Term: The minimum term of Firm Point-To-Point Transmission Service shall be one (1) day. The term shall be specified in the Service Agreement. The term of Short-Term Firm Point-To-Point Transmission Service shall be expressed in days, weeks, and/or months.

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- i) Long-Term Firm Point-To-Point Transmission Service shall be available on a first-come, first-served basis *i.e.*, in the chronological sequence in which each Transmission Customer has reserved service.
- ii) Reservations for Short-Term Firm Point-To-Point Transmission Service will be conditional based upon the length of the requested transaction as follows: If the Transmission System becomes oversubscribed, requests for longer term service shall preempt requests for shorter-term service up to the following conditional reservation deadlines:
 - one (1) day before the commencement of daily service (i.e. service with a term of less than a week);
 - One (1) week before the commencement of weekly service (i.e. service with a term of less than a month); and
 - one (1) month before the commencement of monthly service (i.e. service with a term equal to or greater than a month).

Preemption of shorter-term service, if any, shall take place sequentially beginning with preemption of the most recent request for shorter-term service. Before the conditional reservation deadline, if available transmission capability is insufficient to satisfy all Applications for Transmission Service, an Eligible Customer with a reservation for shorter term service has the right of first refusal to match any longer term reservation before losing its reservation priority. A longer term competing request for Short-Term Firm Point-To-Point Transmission Service will be granted if the Eligible Customer with the right of first refusal does not agree to match the competing request within twenty-four (24) hours (or earlier at Transmission Provider's discretion if necessary to comply with the scheduling deadlines) from being notified by the Transmission Provider of a longer-term competing request for Short-Term Firm Point-To-Point Transmission Service. When a longer duration request preempts multiple shorter duration reservations, the shorter duration reservations shall have simultaneous opportunities to exercise the right of first refusal. Duration and time of response will be used to determine the order by which the multiple shorter duration reservations will be able to exercise the right of first refusal. After the conditional reservation deadline, service will commence pursuant to the terms of Rule 12 of the Tariff.

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Chugach Electric Association, Inc.

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(f) Firm Point-To-Point Transmission Service will always have a reservation priority over Non-Firm Point-To-Point Transmission Service under the Tariff. All Long-Term Firm Point-To-Point Transmission Service will have equal reservation priority with Native Load Customers. All Transmission Service under this tariff is subject to transmission rights under the Bradley Lake Services Agreement.

(c) Use of Firm Transmission Service by the Transmission Provider: The Transmission Provider will be subject to the rates, terms and conditions of the Tariff when making Third-Party Sales except as otherwise provided for in the Bradley Lake Services Agreement.

(d) Firm Point-To-Point Service Agreements: The Transmission Provider shall offer a standard form Service Agreement (See Appendix E-1) for Firm Point-To-Point Transmission Service to an Eligible Customer when it submits a Completed Application For Transmission Service in accordance with the Tariff. An Eligible Customer that uses Transmission Service at a Point of Receipt or Point of Delivery that it has not reserved and that has not executed a Service Agreement will be deemed, for purposes of assessing any appropriate charges and penalties, to have executed the appropriate Service Agreement.

(e) Transmission Customer Obligations for Facility Additions or Re-dispatch Costs: In cases where the Transmission Provider determines that the Transmission System is not capable of providing Firm Point-To-Point Transmission Service without (1) degrading or impairing the reliability of service to Native Load Customers and other Transmission Customers taking Firm Point-To-Point Transmission Service, or (2) interfering with the Transmission Provider's ability to meet prior firm contractual commitments to others, the Transmission Provider will only be obligated to expand or upgrade its Transmission System pursuant to the terms of Rule 12.7. The Transmission Customer must agree to compensate the Transmission Provider for any necessary transmission facility additions pursuant to the terms of Rule 12.7. To the extent the Transmission Provider can relieve any system constraint more economically by re-dispatching the Transmission Provider's resources than through constructing System Upgrades, it may do so, provided that the Eligible Customer agrees to compensate the Transmission Provider pursuant to the terms of Rule 12.7. Any re-dispatch, System Upgrade or Direct Assignment Facilities costs to be charged to the Transmission Customer on an incremental basis under the Tariff will be specified in the Service Agreement prior to initiating service.

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- (f) Curtailement of Firm Transmission Service: In the event that a Curtailment on the Transmission Provider's Transmission System, or a portion thereof, is required to maintain reliable operation of such system, Curtailments will be made on a non-discriminatory basis to the transaction(s) that effectively relieve the constraint. If multiple transactions require Curtailment, to the extent practicable and consistent with Good Utility Practice, the Transmission Provider will curtail service to Transmission Customers taking Firm Point-To-Point Transmission Service on a basis comparable to the curtailment of service to the Transmission Provider's Native Load Customers. All Curtailments under this Tariff will be made on a non-discriminatory basis, however:
- Non-Firm Point-To-Point Transmission Service shall be subordinate to Firm Transmission Service and service to the Transmission Provider's Native Load customers; and
 - Non-Firm Point-To-Point Transmission Service for which re-dispatch costs will not be paid shall be subordinate to Non-Firm Point-To-Point Transmission service for which re-dispatch costs will be paid.

When the Transmission Provider determines that an electrical or system emergency exists on its Transmission System and implements emergency procedures to curtail firm transmission service, the Transmission Customer shall make the required reductions upon request of the Transmission Provider. However, the Transmission Provider reserves the right to initiate Curtailment, in whole or in part, any Firm Point-To-Point Transmission Service provided under the Tariff when, in the Transmission Provider's sole discretion, an emergency or other unforeseen condition impairs or degrades the reliability of its Transmission System. The Transmission Provider will notify all affected Transmission Customers in a timely manner of any scheduled Curtailments.

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- (g) Classification of Firm Transmission Service:
- i) The Transmission Customer taking Firm Point-To-Point Transmission Service may request a modification of the Point(s) of Receipt or Point(s) of Delivery on a firm basis pursuant to the terms of Rule 12.10. The Transmission Customer may purchase transmission service to make sales of capacity and energy from multiple generating units that are on the Transmission Provider's Transmission System. For such a purchase of transmission service, the resources will be designated as multiple Points of Receipt, unless the multiple generating units are at the same generating facility in which case the units would be treated as a single Point of Receipt.
 - ii) The Transmission Provider shall provide deliveries of capacity and energy on a firm basis from the Point(s) of Receipt to the Point(s) of Delivery. Each Point of Receipt at which firm transfer capability is reserved by the Transmission Customer shall be set forth in the Service Agreement for Long-Term Firm Point-To-Point Transmission Service along with a corresponding capacity reservation associated with each Point of Receipt. Points of Receipt and corresponding capacity reservations shall be as mutually agreed upon by the Parties for Short-Term Firm Point-To-Point Transmission. Each Point of Delivery at which firm transfer capacity is reserved by the Transmission Customer shall be set forth in the Service Agreement for Long-Term Firm Point-To-Point Transmission Service along with a corresponding capacity reservation associated with each Point of Delivery. Points of Delivery and corresponding capacity reservations shall be as mutually agreed upon by the Parties for Short-Term Firm Point-To-Point Transmission. The greater of either (1) the sum of the capacity reservations at the Point(s) of Receipt, or (2) the sum of the capacity reservations at the Point(s) of Delivery shall be the Transmission Customer's Reserved Capacity. The Transmission Customer will be billed for its Reserved Capacity under the terms of Rate Schedule T-7.

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The Transmission Customer may not exceed its firm capacity reserved at each Point of Receipt and each Point of Delivery. In the event the Transmission Customer (including Third Party Sales by the Transmission Provider) exceeds its firm capacity reserved at any Point of Receipt or Point of Delivery or uses Transmission Service at a Point of Receipt or Point of Delivery that it has not reserved, the Transmission Customer shall pay a penalty equal to twice the rate set forth in Rate Schedule T-7 as follows:

- The unreserved use penalty for a single hour of unreserved use shall be based on the rate for daily Firm Point-To-Point Transmission Service.
- If there is more than one assessment for a given duration (e.g., daily) for the Transmission Customer, the penalty shall be based on the next longest duration (e.g., weekly).
- The unreserved penalty charge for multiple instances of unreserved use (i.e., more than one hour) within a day shall be based on the daily rate Firm Point-To-Point Transmission Service.
- The unreserved penalty charge for multiple instances of unreserved use isolated to one calendar week shall be based on the charge for weekly Firm Point-To-Point Transmission Service.
- The unreserved use penalty charge for multiple instances of unreserved use during more than one week during a calendar month shall be based on the charge for monthly Firm Point-To-Point Transmission Service.

The Transmission Customer shall additionally pay for Ancillary Services associated with the unreserved service. This penalty payment for Ancillary Services shall be based on twice the rate set forth in Rate Schedules T-1, T-2, T-3, T-4, T-5 and T-6, multiplied by the penalty basis set out in the immediately-preceding list (i.e. a daily, weekly or monthly basis as appropriate).

As an alternative to the above penalties, the Transmission Provider, in its sole discretion, may accept payment in kind on a MW per MW basis

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12.1 Nature of Firm Point-To-Point Transmission Service (Continued)

- (h) Scheduling of Firm Point-To-Point Transmission Service: Schedules for the Transmission Customer's Firm Point-To-Point Transmission Service must be submitted to the Transmission Provider no later than 10:00 a.m. of the Working Day prior to commencement of such service. Schedules submitted after 10:00 a.m. may be accommodated, if practicable. Transmission Scheduling on two-hours' notice is allowed as long as the transmission is consistent with reliable system operation. Transmission scheduling requests made on less than two-hours' notice may be accepted, in Chugach's sole discretion, if accommodating the less-than-two-hours-notice request will not cause significant disruption or added cost to Chugach.

Hour-to-hour schedules of any capacity and energy that is to be delivered must be stated in increments of 1,000 kW per hour. Transmission Customers with multiple requests for transmission service at a Point of Receipt, each of which is under 1,000 kW per hour, may consolidate their service requests at a common Point of Receipt into units of 1,000 kW per hour for scheduling and billing purposes. To the extent practicable, scheduling changes will be permitted up to twenty (20) minutes before the start of the next clock hour provided that the Delivering Party and Receiving Party also agree to the schedule modification. The Transmission Provider will furnish to the Delivering Party's system operator, hour-to-hour schedules equal to those furnished by the Receiving Party (unless reduced for losses) and shall deliver the capacity and energy provided by such schedules. Should the Transmission Customer, Delivering Party or Receiving Party revise or terminate any schedule, such party shall immediately notify the Transmission Provider, and the Transmission Provider shall have the right to adjust, in its sole discretion, the schedule for capacity and energy to be received and to be delivered.

12.2 Nature of Non-Firm Point-To-Point Transmission Service

- (a) Term: Non-Firm Point-To-Point Transmission Service will be available for periods ranging from one (1) hour to one (1) month. However, a Purchaser of Non-Firm Point-To-Point Transmission Service will be entitled to reserve a sequential term of service (such as a sequential monthly term without having to wait for the initial term to expire before requesting another monthly term) so that the total time period for which the reservation applies is greater than one month, subject to the requirements of Rule 12.6(c).

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- (b) Reservation Priority: Non-Firm Point-To-Point Transmission Service shall be available from transfer capability in excess of that needed for reliable service to Native Load Customers and other Transmission Customers taking Long-Term and Short-Term Firm Point-To-Point Transmission Service. A higher priority will be assigned in the first instance to requests or reservations with a longer duration of service. In the event the Transmission System is constrained, competing requests of equal duration will be prioritized based on the highest price offered by the Eligible Customer for the Transmission Service. Eligible Customers that have already reserved shorter term service have the right of first refusal to match the term and price of any longer term request before being preempted. A longer term competing request for Non-Firm Point-To-Point Transmission Service will preempt that of the Eligible Customer with the right of first refusal if that Eligible Customer does not agree to match the competing request within 24 hours (or earlier if necessary to comply with the scheduling deadlines provided in Rule 12.2(f)) after notification by the Transmission Provider. Non-Firm Point-To-Point Transmission Service over secondary Point(s) of Receipt and Point(s) of Delivery will have the lowest reservation priority under the Tariff.
- (c) Use of Non-Firm Transmission Service by the Transmission Provider: The Transmission Provider will be subject to the rates, terms and conditions of the Tariff when making Third-Party Sales.
- (d) Non-Firm Transmission Service Agreements: The Transmission Provider shall offer a standard form Service Agreement (see Appendix E-3) for Non-Firm Point-To-Point Transmission Service to an eligible Customer when it submits a Completed Application For Transmission Service in accordance with the Tariff.

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- (e) Classification of Non-Firm Transmission Service: Non-Firm Point-To-Point Transmission Service shall be offered under terms and conditions contained in the Tariff. The Transmission Provider undertakes no obligation under the Tariff to plan its Transmission System in order to have sufficient capacity for Non-Firm Point-To-Point Transmission Service. Parties requesting Non-Firm Point-To-Point Transmission Service for the transmission of firm power do so with the full realization that such service is subject to availability and to Curtailment or Interruption under the terms of the Tariff. The Transmission Provider shall specify the rate treatment and all related terms and conditions applicable in the event that a Transmission Customer (including Third-Party Sales by the Transmission Provider) exceeds its non-firm capacity reservation. Non-Firm Point-To-Point Transmission Service shall include transmission of energy on an hourly basis and transmission of scheduled short-term capacity and energy on a daily, weekly or monthly basis, but not to exceed one month's reservation for any one Application, under Rate Schedule T-8.

In the event the Transmission Customer (including Third Party Sales by the Transmission Provider) exceeds its non-firm capability reserved at any Point of Receipt or Point of Delivery, the Transmission Customer shall pay the rate set forth in Rate Schedule T-8 for the delivery period (i.e., monthly, weekly, daily or hourly) for which the Transmission Customer is reserving capacity multiplied by an adjusted reserved capacity (for pricing purposes only) equal to the highest level used by the Transmission Customer at such Point of Receipt or Point of Delivery as integrated over a 60 minute period. The Transmission Customer shall additionally pay for Ancillary Services on the basis of this adjusted reserved capacity level, multiplied by the rates set forth in Rate Schedules T-1, T-2, T-3, T-4, T-5 and T-6.

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- (f) Scheduling of Non-Firm Point-To-Point Transmission Service: Schedules for Non-Firm Point-To-Point Transmission Service must be submitted to the Transmission Provider no later than 10:00 a.m. of the day prior to the commencement of such service. Schedules submitted after 10:00 a.m. will be accommodated, if practicable. Transmission Scheduling on two-hours' notice is allowed as long as the transmission is consistent with reliable system operation. Transmission scheduling requests made on less than two-hours' notice may be accepted, in Chugach's sole discretion, if accommodating the less-than-two-hours-notice request will not cause significant disruption or added cost to Chugach.

Hour-to-hour schedules of energy that is to be delivered must be stated in increments of 1,000 kW per hour. Transmission Customers with multiple requests for Transmission Service at a Point of Receipt, each of which is under 1,000 kW per hour, may consolidate their schedules at a common Point of Receipt into units of 1,000 kW per hour. To the extent practicable, scheduling changes will be permitted up to thirty (30) minutes before the start of the next clock hour provided that the Delivering Party and Receiving Party also agree to the schedule modification. The Transmission Provider will furnish to the Delivering Party's system operator, hour-to-hour schedules equal to those furnished by the Receiving Party and shall deliver the capacity and energy provided by such schedules. Should the Transmission Customer, Delivering Party or Receiving Party revise or terminate any schedule, such party shall immediately notify the Transmission Provider, and the Transmission Provider shall have the right to adjust accordingly the schedule for capacity and energy to be received and to be delivered.

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- (g) Curtailment or Interruption of Non-Firm Point-To-Point Transmission Service: The Transmission Provider reserves the right to Curtail, in whole or in part, Non-Firm Point-To-Point Transmission Service provided under the Tariff for reliability reasons when an emergency or other unforeseen condition threatens to impair or degrade the reliability of the Transmission System or the systems directly and indirectly interconnected with Transmission Provider's Transmission System. Transmission Provider may elect to implement such Curtailments pursuant to the transmission loading relief procedures. The Transmission Provider reserves the right to Interrupt, in whole or in part, Non-Firm Point-To-Point Transmission Service provided under the Tariff for economic reasons in order to accommodate (1) a request for Firm Transmission Service, (2) a request for Non-Firm Point-To-Point Transmission Service of greater duration, or (3) a request for Non-Firm Point-To-Point Transmission Service of equal duration with a higher price. The Transmission Provider also will discontinue or reduce service to the Transmission Customer to the extent that deliveries for transmission are discontinued or reduced at the Point(s) of Receipt. Where required, Curtailments or Interruptions will be made on a nondiscriminatory basis to the transaction(s) that effectively relieve the constraint, however, Non-Firm Point-To-Point Transmission Service shall be subordinate to Firm Transmission Service and Non-Firm Point-To-Point Transmission Service for which redispatch costs will not be paid shall be subordinate to Non-Firm Point-To-Point Transmission Service for which redispatch costs will be paid. If multiple transactions require Curtailment or Interruption, to the extent practicable and consistent with Good Utility Practice, Curtailments or Interruptions will be made to transactions of the shortest term Non-Firm Point-To-Point Transmission Service over secondary Point(s) of Receipt and Point(s) of Delivery will have a lower priority than any Non-Firm Point-To-Point Transmission Service under the Tariff. The Transmission Provider will provide advance notice of Curtailment or Interruption where such notice can be provided consistent with Good Utility Practice.

12.3 Service Availability

- (a) General Conditions: The Transmission Provider will provide Firm and Non-Firm Point-To-Point Transmission Service over, on, or across its Transmission System to any Transmission Customer that has met the requirements of Rule 12.4.

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- (b) Determination of Available Transmission Capability: A general description of the Transmission Provider's methodology for assessing available transmission capability is contained in Appendix E-4 of the Tariff. In the event sufficient transmission capability may not exist to accommodate a service request for Long-Term Firm Point-To-Point Transmission Service, the Transmission Provider will respond by performing a System Impact Study. See Appendix E-5.
- (c) Obligation to Provide Transmission Service that Requires Expansion or Modification of the Transmission System: If the Transmission Provider determines that it cannot accommodate a Completed Application for Long-Term Firm Point-To-Point Transmission Service because of insufficient capability on its Transmission System, the Transmission Provider will use due diligence to redispach its own resources or to expand or modify its Transmission System to provide the requested Firm Transmission Service, provided the Transmission Customer agrees to compensate the Transmission Provider for all such costs incurred to accommodate Transmission Customer's request pursuant to the terms of this Tariff. The Transmission Provider will conform to Good Utility Practice in determining the need for new facilities and in the design and construction of such facilities. The obligation applies only to those facilities that the Transmission Provider has the right to expand or modify.
- (d) Deferral of Service: The Transmission Provider may defer providing service until it completes construction of new transmission facilities or upgrades needed to provide Firm Point-To-Point Transmission Service whenever the Transmission Provider determines that providing the requested service would, without such new facilities or upgrades, impair or degrade reliability to any existing firm services.
- (e) Real Power Loss (Losses): Real Power Losses are associated with all transmission service and must be supplied by Transmission Customer. The Transmission Provider is not obligated to provide for Real Power Losses. The Transmission Customer is responsible for replacing losses associated with all transmission service as calculated by the Transmission Provider. The applicable Real Power Loss factor for the provision of service under this Tariff is set forth on Chugach Tariff Sheet No. 103.5.

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- (a) Conditions Required of Transmission Customers: Point-To-Point Transmission Service shall be provided by the Transmission Provider only if the following conditions are satisfied by the Transmission Customer:
- i) The Transmission Customer has pending a Completed Application For Transmission Service;
 - ii) The Transmission Customer meets the creditworthiness criteria set forth in Rule 11.10;
 - iii) The Transmission Customer will have arrangements in place for any other transmission service necessary to effect the delivery from the generating source to the Transmission Provider prior to the time service under Rule 12 of the Tariff commences;
 - iv) The Transmission Customer agrees to pay for any facilities constructed and chargeable to such Transmission Customer under Rule 12 of the Tariff, whether or not the Transmission Customer takes service for the full term of its reservation;
 - v) The Transmission Customer has executed a Service Agreement; and
 - vi) The Transmission Customer (1) has agreed, in writing, to be bound by operating policies, procedures, and reliability standards adopted pursuant to Section 8.6.1 of the Amended and Restated Alaska Intertie Agreement dated November 18, 2011, and to operate in accordance with Exhibit H of that same agreement (pertaining to Reserve Capacity and Operating Reserve Responsibility) as the standard exists on December 6, 2013; (2) during the period of the transaction, adheres to or arranges for the provision of essentially similar reliability obligations to those stated above; or (3) is operating in accordance with such policies, procedures, and reliability standards as may be established by the Regulatory Commission of Alaska or by an independent system operator recognized by the Regulatory Commission of Alaska as the authority over reliability in the Railbelt that are similar in scope and content to those adopted pursuant to Section 8.6.1 of the Amended and Restated Alaska Intertie Agreement dated November 18, 2011 and to the Reserve Capacity and Operating Reserves found in Exhibit H of that Agreement as the standard exists on December 6, 2013.

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12.4 Transmission Customer Responsibilities (Continued)

- (b) Transmission Customer Responsibility for Third-Party Arrangements: Any scheduling arrangements that may be required by other persons or electric systems shall be the responsibility of the Transmission Customer requesting service. The Transmission Customer shall provide, unless waived by the Transmission Provider, notification to the Transmission Provider identifying such systems and authorizing them to schedule the capacity and energy to be transmitted by the Transmission Provider pursuant to Rule 12 of the Tariff on behalf of the Receiving Party at the Point of Delivery or the Delivering Party at the Point of Receipt. However, to the extent practicable, the Transmission Provider will undertake reasonable efforts to assist the Transmission Customer in making such arrangements, including without limitation, providing any information or data required by such other electric system pursuant to Good Utility Practice.

12.5 Procedures for Arranging Firm Point-To-Point Transmission Service

- (a) Application:
- i) A request for Firm Point-To-Point Transmission Service for periods of one year or longer must contain a Completed Application For Transmission Service to:
- Chugach Electric Association, Inc.
Attn: Director of System Control
5601 Electron Drive
Anchorage, Alaska 99518
- The Application For Transmission Service for firm service must be received by Transmission Provider's Manager of Dispatch at least sixty (60) days in advance of the calendar month in which transmission service is to commence. The Transmission Provider will consider requests for such firm service on shorter notice when feasible. Requests for firm service for periods of less than one year may be subject to expedited procedures that shall be negotiated between the Parties within the time constraints provided in Rule 12.5(e). The Transmission Provider will provide a time-stamped record for establishing the priority of Applications.
- ii) Requests for monthly service shall be submitted no earlier than eleven (11) months before the requested service is to commence.
- iii) All Firm Point-To-Point Transmission Service requests should be submitted by entering the information on an Application For Transmission Service.

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- (b) Completed Application For Transmission Service: A Completed Application For Transmission Service shall provide all of the information included in the Application For Transmission Service form, including, but not limited to, the following:
- i) The identity, address, telephone number, email address, and facsimile number of the entity requesting service;
 - ii) A statement that the entity requesting service is, or will be upon commencement of service, an Eligible Customer under the Tariff;
 - iii) The location of the Point(s) of Receipt and Point(s) of Delivery and the identities of the Delivering Parties and the Receiving Parties;
 - iv) The location of the generating facility (or facilities) supplying the capacity and energy and the location of the load ultimately served by the capacity and energy transmitted. The Transmission Provider will treat this information as confidential until after the transmission transaction has begun except to the extent that disclosure of this information is required by this Tariff, by regulatory or judicial order, for reliability purposes pursuant to Good Utility Practice;
 - v) A description of the supply characteristics of the capacity and energy to be delivered;
 - vi) An estimate of the capacity and energy expected to be delivered to the Receiving Party;
 - vii) The Service Commencement Date and the term of the requested transmission service; and the transmission capacity requested for each Point of Receipt and each Point of Delivery on the Transmission Provider's Transmission System; customers may combine their requests for service in order to satisfy the minimum transmission capacity requirement.

This information set forth in Rule 12.5(b) shall be kept confidential until after the transmission transaction has begun at the request of the Transmission Customer except to the extent that disclosure of this information is required by this Tariff, by regulatory or judicial order, or for reliability purposes pursuant to Good Utility Practice.

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- (c) Deposit: A Completed Application For Transmission Service also shall include a deposit of either one month's charge for Reserved Capacity for transmission service request of one (1) year or greater, or the full charge for Reserved Capacity for transmission service requests of less than one (1) year. However, the Transmission Provider may waive the deposit requirement if the Applicant meets the creditworthiness requirements for Transmission Customers as described in Rule 11.10. If the Application is rejected by the Transmission Provider because it does not meet the conditions for service as set forth herein, or in the case of requests for service arising in connection with losing bidders in a Request For Proposals (RFP), said deposit shall be returned with interest less any reasonable costs incurred by the Transmission Provider in connection with the review of the losing bidder's Application For Transmission Service. The deposit also will be returned with interest less any reasonable costs incurred by the Transmission Provider if the Transmission Provider is unable to complete new facilities needed to provide the service. If an Application For Transmission Service is withdrawn or the Eligible Customer decides not to enter into a Service Agreement for Firm Point-To-Point Transmission Service, the deposit shall be refunded in full, with interest, less reasonable costs incurred by the Transmission Provider to the extent such costs have not already been recovered by the Transmission Provider from the Eligible Customer. If requested, the Transmission Provider will provide to the Eligible Customer a complete accounting of all costs deducted from the refunded deposit. If a Service Agreement for Firm Point-To-Point Transmission Service is executed, the deposit, with interest, will be returned to the Transmission Customer upon expiration or termination of the Service Agreement for Firm Point-To-Point Transmission Service. Applicable interest shall be computed in accordance with the Commission's regulations, and shall be calculated from the day the deposit check is credited to the Transmission Provider's account.
- (d) Notice of Deficient Application For Transmission Service: If an Application For Transmission Service fails to meet the requirements of the Tariff, the Transmission Provider shall notify the entity requesting service within fifteen (15) days of receipt of the reasons for such failure. The Transmission Provider will attempt to remedy minor deficiencies in the Application For Transmission Service through informal communications with the Eligible Customer. If such efforts are undertaken and are unsuccessful, the Transmission Provider shall return the Application For Transmission Service, along with any deposit, with interest. Upon receipt of a new or revised Application For Transmission Service that fully complies with the requirements of Rule 12 of the Tariff, the Eligible Customer shall be assigned a priority consistent with the date of the new, refiled, or revised Application For Transmission Service.

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- (e) Response to a Completed Application For Transmission Service: Following receipt of a Completed Application For Transmission Service, the Transmission Provider shall make a determination of available transmission capability as required in Rule 12.7. The Transmission Provider shall notify the Eligible Customer as soon as practicable, but not later than thirty (30) days after the date of receipt of a Completed Application either (i) if it will be able to provide service without performing a System Impact Study or (ii) if such a study is needed to evaluate the impact of the Application pursuant to Rule 12.7. Responses by the Transmission Provider shall be made as soon as practicable to all completed applications, and the timing of such responses shall be made on a nondiscriminatory basis.
- (f) Execution of Service Agreement: Whenever the Transmission Provider determines that a System Impact Study is not required and that the service can be provided, it shall notify the Eligible Customer as soon as practicable but no later than thirty (30) days after receipt of the Completed Application For Transmission Service. Where a System Impact Study is required, the provisions of Rule 12.7(a) will govern the execution of a Service Agreement. Failure of an Eligible Customer to execute and return the Service Agreement within fifteen (15) days after it is tendered by the Transmission Provider may be deemed a withdrawal and termination of the Application For Transmission Service and any deposit submitted shall be refunded with interest. Nothing herein limits the right of an Eligible Customer to file another Application after its Application For Transmission Service is deemed withdrawn or terminated under this Rule.
- (g) Extensions for Commencement of Service: The Transmission Customer can obtain up to a one-year extension for the commencement of service. The Transmission Customer may postpone service by paying a non-refundable annual reservation fee equal to one (1) month's charge for Firm Transmission Service for each month of the requested extension within fifteen (15) days of notifying the Transmission Provider of its interest to extend commencement of service. If during any extension for the commencement of service an Eligible Customer submits a Completed Application For Transmission Service, and such request can be satisfied only by releasing all or part of the Transmission Customer's Reserved Capacity, the original Reserved Capacity will be released unless within thirty (30) days, the original Transmission Customer agrees to pay the Firm Point-To-Point transmission rate for its Reserved Capacity concurrent with the new Service Commencement Date. In the event the Transmission Customer elects to release the Reserved Capacity, the reservation fees or portions thereof previously paid will be forfeited.

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12.6 Procedures for Arranging Non-Firm Point-To-Point Transmission Service

- (a) Application: Eligible Customers seeking Non-Firm Point-To-Point Transmission Service must submit a completed Application For Transmission Service to the Transmission Provider.
- (b) Completed Application For Transmission Service: A Completed Application For Transmission Service shall provide all of the information included in the Application For Transmission Service form, including, but not limited to, the following:
 - i) The identity, address, telephone number, email address, and facsimile number of the entity requesting service;
 - ii) A statement that the entity requesting service is, or will be upon commencement of service, an Eligible Customer under the Tariff;
 - iii) The location of the Point(s) of Receipt and Point(s) of Delivery and the identities of the Delivering Parties and the Receiving Parties;
 - iv) The maximum amount of capacity requested at each Point of Receipt and Point of Delivery; and
 - v) The proposed dates and hours for initiating and terminating transmission service hereunder.

In addition to the information specified above, when required to properly evaluate system conditions, the Transmission Provider also may ask the Transmission Customer to provide the following:

- vi) The electrical location of the initial source of the power to be transmitted pursuant to the Transmission Customer's request for service; and
- vii) The electrical location of the ultimate load.

This information set forth in Rules 12.6(b)(6) and 12.6(b)(7) shall be kept confidential at the request of the Transmission Customer until after the transmission transaction has begun except to the extent that disclosure of this information is required by this Tariff, by regulatory or judicial order, or for reliability purposes pursuant to Good Utility Practice.

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12.6 Procedures for Arranging Non-Firm Point-To-Point Transmission Service (Continued)

- (c) Reservation of Non-Firm Point-To-Point Transmission Service: Requests for monthly service shall be submitted no earlier than sixty (60) days before service is to commence, requests for weekly service shall be submitted no earlier than fourteen (14) days before service is to commence, requests for daily service shall be submitted no earlier than three (3) days before service is to commence, and requests for hourly service shall be submitted no earlier than two (2) days before service is to commence. Requests for service received later than 2:00 p.m. prior to the day service is scheduled to commence will be accommodated if practicable.
- (d) Determination of Available Transfer Capability: Following receipt of a tendered schedule the Transmission Provider will make a determination on a non-discriminatory basis of available transfer capability pursuant to Rule 11.2. Such determination shall be made as soon as reasonably practicable after receipt.

12.7 Additional Study Procedures For Firm Point-To-Point Transmission Service Requests

- (a) Notice of Need for System Impact Study: After receiving a request for service, the Transmission Provider shall determine on a non-discriminatory basis whether a System Impact Study is needed. A general description of the Transmission Provider's methodology for completing a System Impact Study is provided in Appendix E-5. If the Transmission Provider determines that a System Impact Study is necessary to accommodate the requested service, it shall so inform the Eligible Customer, as soon as practicable. In such cases, the Transmission Provider shall within thirty (30) days of receipt of a Completed Application, tender a System Impact Study Agreement pursuant to which the Eligible Customer shall agree to reimburse the Transmission Provider for performing the required System Impact Study. For a service request to remain a Completed Application For Transmission Service, the Eligible Customer shall execute the System Impact Study Agreement and return it to the Transmission Provider within fifteen (15) days. If the Eligible Customer elects not to execute the System Impact Study Agreement, its application shall be deemed withdrawn and its deposit shall be returned with interest.

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**12.7 Additional Study Procedures For Firm Point-To-Point Transmission Service Requests
(Continued)**

(b) System Impact Study Agreement and Cost Reimbursement:

- i) The System Impact Study Agreement will clearly specify the Transmission Provider's estimate of the actual cost, including any consulting fees and a reasonable allocation of the Transmission Provider's overhead costs related to the study, and time for completion of the System Impact Study. The charge shall not exceed the actual cost of the study. In performing the System Impact Study, the Transmission Provider shall rely, to the extent reasonably practicable, on existing transmission planning studies. The Eligible Customer will not be assessed a charge for such existing studies; however, the Eligible Customer will be responsible for all costs and charges associated with any modifications to existing planning studies that are reasonably necessary to evaluate the impact of the Eligible Customer's request for service on the Transmission System.
- ii) If in response to multiple Eligible Customers requesting service in relation to the same competitive solicitation, a single System Impact Study is sufficient for the Transmission Provider to accommodate the requests for service, the costs of that study shall be prorated among the Eligible Customers by the amount of Reserved Capacity each Eligible Customer is requesting.

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**12.7 Additional Study Procedures For Firm Point-To-Point Transmission Service Requests
(Continued)**

- (c) System Impact Study Procedures: Upon receipt of an executed System Impact Study Agreement, the Transmission Provider will use due diligence to complete the required System Impact Study within a sixty (60) day period. The System Impact Study shall identify any system constraints and re-dispatch options (including an estimate of the number of hours of re-dispatch that may be required to accommodate the request for transmission service, and a preliminary estimate of the cost of re-dispatch), additional Direct Assignment Facilities or System Upgrades required to provide the requested service. In the event that the Transmission Provider is unable to complete the required System Impact Study within such time period, it shall so notify the Eligible Customer and provide an estimated completion date along with an explanation of the reasons why additional time is required to complete the required studies. A copy of the completed System Impact Study and related work papers shall be made available to the Eligible Customer(s). The Transmission Provider will use the same due diligence in completing the System Impact Study for an Eligible Customer as it uses when completing studies for itself. The Transmission Provider shall notify the Eligible Customer immediately upon completion of the System Impact Study if the Transmission System will be adequate to accommodate all or part of a request for service or that no costs are likely to be incurred for new transmission facilities or upgrades. In order for a request to remain a Completed Application, within fifteen (15) days of completion of the System Impact Study the Eligible Customer must execute a Service Agreement, or the Application For Transmission Service shall be deemed terminated and withdrawn.

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12.7 **Additional Study Procedures For Firm Point-To-Point Transmission Service Requests**
(Continued)

- (d) Facilities Study Procedures: If a System Impact Study indicates that additions or upgrades to the Transmission System are needed to supply the Eligible Customer's service request, the Transmission Provider, within thirty (30) days of the completion of the System Impact Study, shall tender to the Eligible Customer a Facilities Study Agreement pursuant to which the Eligible Customer shall agree to reimburse the Transmission Provider for performing the required Facilities Study. For a service request to remain a Completed Application For Transmission Service, the Eligible Customer shall execute the Facilities Study Agreement and return it to the Transmission Provider within fifteen (15) days. If the Eligible Customer elects not to execute the Facilities Study Agreement, its Application For Transmission Service shall be deemed withdrawn and its deposit shall be returned with interest. Upon receipt of an executed Facilities Study Agreement, the Transmission Provider will use due diligence to complete the required Facilities Study within a one hundred twenty (120) day period. If the Transmission Provider is unable to complete the Facilities Study in the allotted time period, the Transmission Provider shall notify the Transmission Customer and provide an estimate of the time needed to reach a final determination along with an explanation of the reasons that additional time is required to complete the study. When completed, the Facilities Study will include a good faith estimate of (i) the cost of Direct Assignment Facilities to be charged to the Transmission Customer, (ii) the Transmission Customer's appropriate share of the cost of any required Network Upgrades as determined pursuant to the provisions of Rule 12 of the Tariff, and (iii) the time required to complete such construction and initiate the requested service. The Transmission Customer shall provide the Transmission Provider with a letter of credit or other reasonable form of security acceptable to the Transmission Provider equivalent to the costs of new facilities or upgrades consistent with commercial practices as established by the Uniform Commercial Code. The Transmission Customer shall have thirty (30) days to execute a Service Agreement and provide the appropriate amount of security in a form satisfactory to Transmission Provider or the request will no longer be a Completed Application For Transmission Service and shall be deemed terminated and withdrawn.

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(Continued)**

- (e) Facilities Study Modifications: Any change in design arising from inability to site or construct facilities as proposed will require development of a revised good faith estimate. New good faith estimates also will be required in the event of new statutory or regulatory requirements that are effective before the completion of construction or other circumstances beyond the reasonable control of the Transmission Provider that significantly affect the final cost of new facilities or upgrades to be charged to the Transmission Customer pursuant to the provisions of Rule 12 of the Tariff.
- (f) Due Diligence in Completing New Facilities: The Transmission Provider shall use due diligence to add necessary facilities or upgrade its Transmission System within a reasonable time. The Transmission Provider will not upgrade its existing or planned Transmission System in order to provide the requested Firm Point-To-Point Transmission Service if doing so would impair system reliability or otherwise impair or degrade existing firm service.
- (g) Partial Interim Service: If the Transmission Provider determines that it will not have adequate transfer capability to satisfy the full amount of a Completed Application For Transmission Service, the Transmission Provider nonetheless shall be obligated to offer and provide the portion of the requested Firm Point-To-Point Transmission Service that can be accommodated without addition of any facilities and through re-dispatch. However, the Transmission Provider shall not be obligated to provide the incremental amount of requested Firm Point-To-Point Transmission Service that requires the addition of facilities or upgrades to the Transmission System until such facilities or upgrades have been placed in service.

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12.7 Additional Study Procedures For Firm Point-To-Point Transmission Service Requests (Continued)

- (h) Expedited Procedures for New Facilities: In lieu of the procedures set forth above, the Eligible Customer shall have the option to expedite the process by requesting the Transmission Provider to tender at one time, together with the results of required studies, an "Expedited Service Agreement" pursuant to which the Eligible Customer would agree to compensate the Transmission Provider for all costs incurred pursuant to the terms of the Tariff. In order to exercise this option, the Eligible Customer shall request in writing an expedited Service Agreement covering all of the above-specified items within thirty (30) days of receiving the results of the System Impact Study identifying needed facility additions or upgrades or costs incurred in providing the requested service. While the Transmission Provider agrees to provide the Eligible Customer with its best estimate of the new facility costs and other charges that may be incurred, such estimate shall not be binding and the Eligible Customer must agree in writing to compensate the Transmission Provider for all costs incurred pursuant to the provisions of the Tariff. The Eligible Customer shall execute and return such an Expedited Service Agreement within fifteen (15) days of its receipt or the Eligible Customer's request for service will cease to be a Completed Application For Transmission Service and will be deemed withdrawn and terminated.

12.8 Procedures if The Transmission Provider is Unable to Complete New Transmission Facilities for Firm Point-To-Point Transmission Service

- (a) Delays in Construction of New Facilities: If any event occurs that will materially affect the time for completion of new facilities, or the ability to complete them, the Transmission Provider shall as soon as practicable notify the Transmission Customer. In such circumstances, the Transmission Provider shall within thirty (30) days of notifying the Transmission Customer of such delays, convene a technical meeting with the Transmission Customer to evaluate the alternatives available to the Transmission Customer. The Transmission Provider also shall make available to the Transmission Customer studies and work papers related to the delay, including all information that is in the possession of the Transmission Provider that is reasonably needed by the Transmission Customer to evaluate any alternatives.

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12.8 **Procedures if The Transmission Provider is Unable to Complete New Transmission Facilities for Firm Point-To-Point Transmission Service (Continued)**

- (b) Alternatives to the Original Facility Additions. When the review process of Rule 12.7 determines that one or more alternatives exist to the originally planned construction project, the Transmission Provider shall present such alternatives for consideration by the Transmission Customer. If, upon review of any alternatives, the Transmission Customer desires to maintain its Completed Application For Transmission Service subject to construction of the alternative facilities, it may request the Transmission Provider to submit a revised Service Agreement for Firm Point-To-Point Transmission Service. If the alternative approach solely involves Non-Firm Point-To-Point Transmission Service, the Transmission Provider shall promptly tender a Service Agreement for Non-Firm Point-To-Point Transmission Service providing for the service. In the event the Transmission Provider concludes that no reasonable alternative exists and the Transmission Customer disagrees, the Transmission Customer may seek relief under the dispute resolution procedures pursuant to Rule 11.11 or it may refer the dispute to the Commission for resolution.
- (c) Refund Obligation for Unfinished Facility Additions. If the Transmission Provider and the Transmission Customer mutually agree that no other reasonable alternatives exist and the requested service cannot be provided out of existing capability under the conditions of Rule 12 of the Tariff, the obligation to provide the requested Firm Point-To-Point Transmission Service shall terminate and any deposit made by the Transmission Customer shall be returned with interest. However, the Transmission Customer shall be responsible for all prudently incurred costs by the Transmission Provider through the time construction was suspended. The Transmission Provider may offset such costs against any deposit.

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12.9 Provisions Relating to Transmission Construction and Services on the Systems of Other Utilities

- (a) Responsibility for Third-Party System Additions: The Transmission Provider shall not be responsible for making arrangements for any necessary engineering, permitting, and construction of transmission or distribution facilities on the system(s) of any other entity or for obtaining any regulatory approval for such facilities. The Transmission Provider will undertake reasonable efforts to assist the Transmission Customer in obtaining such arrangements, including without limitation, providing any information or data required by such other electric system pursuant to Good Utility Practice.
- (b) Coordination of Third-Party System Additions: In circumstances where the need for transmission facilities or upgrades is identified pursuant to the provisions of Rule 12 of the Tariff, and if such upgrades further require the addition of transmission facilities on other systems, the Transmission Provider shall have the right to coordinate construction on its own system with the construction required by others. The Transmission Provider, after consultation with the Transmission Customer and representatives of such other systems, may defer construction of its new transmission facilities, if the new transmission facilities on another system cannot be completed in a timely manner. The Transmission Provider shall notify the Transmission Customer in writing of the basis for any decision to defer construction and the specific problems which must be resolved before it will initiate or resume construction of new facilities. Within sixty (60) days of receiving written notification by the Transmission Provider of its intent to defer construction pursuant to this Rule, the Transmission Customer may challenge the decision in accordance with the dispute resolution procedures pursuant to Rule 11.11, or it may refer the dispute directly to the Commission for resolution.

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12.10 Modification Of Point(s) of Receipt or Point(s) of Delivery

- (a) Modifications On a Non-Firm Basis: The Transmission Customer taking Firm Point-To-Point Transmission Service may request the Transmission Provider to provide transmission service on a non-firm basis over Receipt and Delivery Points other than those specified in the Service Agreement (“Secondary Receipt and Delivery Points”), in amounts not to exceed its firm capacity reservation, without incurring an additional Non-Firm Point-To-Point Transmission Service charge or executing a new Service Agreement, subject to the following conditions.
- i) Service provided over Secondary Receipt and Delivery Points will be non-firm only, on an as-available basis and will not displace any firm or non-firm service reserved or scheduled by third-parties under the Tariff or by the Transmission Provider on behalf of its Native Load Customers.
 - ii) The sum of all Firm and non-firm Point-To-Point Transmission Service provided to the Transmission Customer at any time pursuant to this Rule shall not exceed the Reserved Capacity in the relevant Service Agreement under which such services are provided.
 - iii) The Transmission Customer shall retain its right to schedule Firm Point-To-Point Transmission Service at the Receipt and Delivery Points specified in the relevant Service Agreement in the amount of its original capacity reservation.
 - iv) Service over Secondary Receipt and Delivery Points on a non-firm basis shall not require the filing of an Application for Non-Firm Point-To-Point Transmission Service under the Tariff. However, all other requirements of the Tariff (except as to transmission rates) shall apply to transmission service on a non-firm basis over Secondary Receipt and Delivery Points.
- (b) Modifications on a Firm Basis: Any request by a Transmission Customer to modify Point(s) of Receipt and Point(s) of Delivery on a firm basis shall be treated as a new request for service in accordance with Rule 12.5 hereof, except that such Transmission Customer shall not be obligated to pay any additional deposit if the capacity reservation does not exceed the amount reserved in the existing Service Agreement. While such new request is pending, the Transmission Customer shall retain its priority for service at the existing firm Points of Receipt and Points of Delivery specified in its Service Agreement.

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- (a) Procedures for Assignment or Transfer of Service: A Transmission Customer may sell, assign, or transfer all or a portion of its rights under its Service Agreement, but only to another Eligible Customer (the Assignee). The Transmission Customer that sells, assigns, or transfers its rights under its Service Agreement is hereafter referred to as the Reseller. Compensation to the Reseller shall not exceed the higher of (i) the original rate paid by the Reseller, (ii) the Transmission Provider's maximum rate on file at the time of the assignment, or (iii) the Reseller's opportunity cost capped at the Transmission Provider's cost of expansion. The Assignee must execute a service agreement with the Transmission Provider governing reassignments of transmission service prior to the date on which the reassigned service commences. If the Assignee does not request any change in the Point(s) of Receipt or the Point(s) of Delivery, or a change in any other term or condition set forth in the original Service Agreement, the Assignee will receive the same services as did the Reseller and the priority of service for the Assignee will be the same as that of the Reseller. A Reseller shall notify the Transmission Provider as soon as possible after any assignment or transfer of service occurs but in any event, notification must be provided prior to any provision of service to the Assignee. The Assignee will be subject to all terms and conditions of this Tariff. If the Assignee requests a change in service, the reservation priority of service will be determined by the Transmission Provider pursuant to Rule 12.1.
- (b) Limitations on Assignment or Transfer of Service: If the Assignee requests a change in the Point(s) of Receipt or Point(s) of Delivery, or a change in any other specifications set forth in the original Service Agreement, the Transmission Provider will consent to such change subject to the provisions of the Tariff, provided that the change will not impair the operation and reliability of the Transmission Provider's generation, transmission, or distribution systems. The Assignee shall compensate the Transmission Provider for performing any System Impact Study needed to evaluate the capability of the Transmission System to accommodate the proposed change and any additional costs resulting from such change. The Reseller shall remain liable for the performance of all obligations under the Service Agreement, except as specifically agreed to by the Parties through an amendment to the Service Agreement agreed to by the Transmission Provider.

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12.12 Metering and Power Factor Correction at Receipt and Delivery Points(s)

- (a) Transmission Customer Obligations: Unless otherwise agreed, the Transmission Provider shall be responsible for installing and maintaining metering and communications equipment to accurately account for the capacity and energy being transmitted under Rule 12 of the Tariff. Such equipment shall remain the property of the Transmission Provider.
- (b) Meter Location: The Transmission Provider's meter(s) shall be located at each interconnection point (points of receipt and delivery) of energy and demand on the Transmission System.
- (c) Power Factor: Unless otherwise agreed, the Transmission Customer is required to maintain a power factor within the same range as the Transmission Provider pursuant to Good Utility Practices. The power factor requirements are specified in the Service Agreement where applicable.

12.13 Compensation for Transmission Service

Rates for Firm and Non-Firm Point-To-Point Transmission Service are provided in the Schedules included in the Tariff. See Firm Point-To-Point Transmission Service (Schedule T-7) and Non-Firm Point-To-Point Transmission Service (Schedule T-8). The Transmission Provider shall use Rule 12 of the Tariff to govern its Third-Party Sales where applicable. The Transmission Provider shall account for such use at the applicable Tariff rates.

12.14 Compensation for New Facilities and Re-dispatch Costs

Whenever a System Impact Study performed by the Transmission Provider in connection with the provision of Firm Point-To-Point Transmission Service identifies the need for new facilities, the Transmission Customer shall be responsible for all such costs. Whenever a System Impact Study performed by the Transmission Provider identifies capacity constraints that may be relieved more economically by re-dispatching the Transmission Provider's resources than by building new facilities or upgrading existing facilities to eliminate such constraints, the Transmission Customer shall be responsible for the re-dispatch costs.

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RATE SCHEDULE T-1

Scheduling, System Control and Dispatch Service

This service is required to schedule the movement of power through a Transmission Provider’s Transmission System. The charges for Scheduling, System Control and Dispatch Service are to be based on the rates set forth below:

Scheduling, System Control, and Dispatch Service Rate	= \$0.00052 per hour of Reserved Capacity in kW
	OR
	\$0.01242 per day of Reserved Capacity in kW
	OR
	\$0.0872 per week of Reserved Capacity in kW
	OR
	\$0.3778 per month of Reserved Capacity in kW
	OR
	\$4.53 per year of Reserved Capacity in kW

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RATE SCHEDULE T-2

Reactive Supply and Voltage Control
from Generation Sources Service

In order to maintain transmission voltages on the Transmission Provider’s transmission facilities within acceptable limits, generation facilities use (or absorb) reactive power. Thus, Reactive Supply and Voltage Control from Generation Sources Service must be provided for each transaction on the Transmission Provider’s transmission facilities. The amount of Reactive Supply and Voltage Control from Generation Sources Service that must be supplied with respect to the Transmission Customer’s transaction will be determined based on the reactive power support necessary to maintain transmission voltages within limits that are generally accepted in the region and consistently adhered to by the Transmission Provider. “T-2 service is mandatory unless waived on a showing that the wheeling customer is self-providing the service for any given transaction, provided that such service does not result in degradation to reliability.”

The charges for such service will be based on the rates set forth below:

Reactive Supply and Voltage Control Rate	=	\$0.00088 per hour of Reserved Capacity in kW
		OR
		\$0.02119 per day of Reserved Capacity in kW
		OR
		\$0.1483 per week of Reserved Capacity in kW
		OR
		\$0.6444 per month of Reserved Capacity in kW
		OR
		\$7.73 per year of Reserved Capacity in kW

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Regulation and Frequency Response Service is necessary to provide for the continuous balancing of resources (generation and interchange) with load and for maintaining scheduled Interconnection frequency at sixty cycles per second (60 Hz). Regulation and Frequency Response Service is accomplished by committing on-line generation whose output is raised or lowered (predominantly through the use of automatic generating control equipment) as necessary to follow the moment-by-moment changes in load. The obligation to maintain this balance between resources and load lies with the Transmission Provider. The amount of and charges for Regulation and Frequency Response Service are set forth below.

Regulation and Frequency Response Service	=	\$0.00024 per hour of Reserved Capacity in kW
		OR
		\$0.00564 per day of Reserved Capacity in kW
		OR
		\$0.0395 per week of Reserved Capacity in kW
		OR
		\$0.1717 per month of Reserved Capacity in kW
		OR
		\$2.06 per year of Reserved Capacity in kW

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RATE SCHEDULE T-4

Energy Imbalance Service

Energy Imbalance Service is provided when a difference occurs between the scheduled and the actual delivery of energy through the Transmission Provider's Transmission System over a single hour.

Chugach will continue the current practice of energy imbalance coordination that is practiced among Railbelt utilities recognizing that no separate charge for energy imbalance service is needed for inadvertent imbalances so long as any such energy imbalance, over or under, is balanced (repaid) by the Transmission Customer on a next day or similar day basis during the same time of day (for example, a peak power imbalance is balanced by repayment during a similar peak power period by the Transmission Customer).

The Transmission Provider shall establish a deviation band of +/-1.5 percent (with a minimum of 1 MW) of the scheduled transaction to be applied hourly to any energy imbalance that occurs as a result of the Transmission Customer's scheduled transaction(s). Parties should attempt to eliminate energy imbalances within the limits of the deviation band within thirty (30) days or within such other reasonable period of time as is generally accepted in the region and consistently adhered to by the Transmission Provider. If an energy imbalance is not corrected within thirty (30) days or a reasonable period of time that is generally accepted by the Transmission Provider, the Transmission Customer will compensate the Transmission Provider for such service at the rate set forth below for energy imbalances outside the deviation band. Energy imbalances outside the deviation band will be subject to charges to be specified by the Transmission Provider. The charges for Energy Imbalance Service are set forth below.

1. For an energy imbalance within the deviation band there is no charge for Energy Imbalance Service; however, hourly energy associated with imbalances (positive or negative) shall be zeroed out, in like time periods, at the earliest practicable time. The time to zero out such energy shall not exceed thirty (30) days. The customer may elect to financially settle hourly energy imbalances within the deviation band, as follows: (i) hourly negative energy imbalances within the deviation band will be settled at 100 percent of the Transmission Provider's average cost of power for the hour in which the deviation occurred, plus 2 mills/kWh; and (ii) hourly positive energy imbalances within the deviation band will be settled at 100 percent of the Transmission Provider's average cost for the hour in which the deviation occurred, minus 2 mills/kWh. The customer may elect this option on a monthly basis, by providing at least ten (10) days' written notice to the Transmission Provider prior to the start of the month.

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RATE SCHEDULE T-4 (Continued)

Energy Imbalance Service (Continued)

2. For an energy imbalance, for any hour of the day, outside the deviation band the charge for the Energy Imbalance Service shall be:
- (a) The Transmission Customer shall pay the Transmission Provider the higher of 100 mills per kilowatt-hour or 110 percent of the Transmission Provider's incremental costs for that hour for a negative deviation energy imbalance. The Transmission Provider's incremental cost for these hourly negative Energy Imbalances will be 100 percent of the generation cost with the highest incremental cost of power at the time of imbalance for the hour in which the deviation occurred, plus 2 mills/kWh.
 - (b) The Transmission Provider shall pay the Transmission Customer 90 percent of the Transmission Provider's decremental costs for that hour for a positive deviation energy imbalance. The Transmission Provider's decremental cost for these hourly positive Energy Imbalances will be 100 percent of the average cost of power for the hour in which the deviation occurred, minus 2 mills/kWh.

In the event an hourly rate is not available or ceases publication, a suitable replacement index will be used for pricing the incremental/decremental costs of in-band and out-of-band imbalance energy.

Notwithstanding the above provisions, the transmission provider, in its sole discretion, may waive the requirements of this Rate Schedule T-4 and accept payment in kind on a MW per MW basis.

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RATE SCHEDULE T-5**

Operating Reserve - Spinning Reserve Service

Spinning Reserve Service is needed to serve load immediately in the event of a system contingency. Spinning Reserve Service may be provided by generating units that are on-line and loaded at less than maximum output. The amount of and charges for Spinning Reserve Service are set forth below.

Compensation for Spinning Reserves	=	\$0.00139 per hour of Reserved Capacity in kW
		OR
		\$0.03339 per day of Reserved Capacity in kW
		OR
		\$0.2337 per week of Reserved Capacity in kW
		OR
		\$1.0155 per month of Reserved Capacity in kW
		OR
		\$12.19 per year of Reserved Capacity in kW

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RATE SCHEDULE T-6

Operating Reserve - Supplemental Reserve Service

Supplemental Reserve Service is needed to serve load in the event of a system contingency; however, it is not available immediately to serve load but rather within a short period of time. Supplemental Reserve Service may be provided by generating units that are on-line but unloaded, by quick-start generation or by interruptible load.

Compensation for Supplemental Reserves	=	\$0.00085 per hour of Reserved Capacity in kW
		OR
		\$0.02030 per day of Reserved Capacity in kW
		OR
		\$0.1421 per week of Reserved Capacity in kW
		OR
		\$0.6176 per month of Reserved Capacity in kW
		OR
		\$7.41 per year of Reserved Capacity in kW

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Point-To-Point Transmission Service**

The Transmission Customer shall compensate the Transmission Provider each month for Reserved Capacity at the sum of the applicable charges set forth below:

1. Yearly delivery: \$97.80 /kW of Reserved Capacity per year.
2. Monthly delivery: \$8.1497 /kW of Reserved Capacity per month.
3. Weekly delivery: \$1.8807 /kW of Reserved Capacity per week.
4. Daily delivery: \$0.26794 /kW of Reserved Capacity per day.
5. The rates and rules governing charges and discounts stated above shall not apply to resales of transmission service, compensation for which shall be governed by Rule 12.11(a) of the Tariff.
6. Resales: An Eligible Customer may resell previously purchased long-term firm and/or short-term firm point-to-point transmission service to another Eligible Customer. For any resale of long-term firm and/or short-term firm point-to-point transmission service, the selling Eligible Customer must provide Chugach with reasonable notice of the resale, the amount of capacity of long-term firm and/or short-term firm point-to-point transmission service being sold, the time period for which the resell of long-term firm and/or short-term firm point-to-point transmission service applies, and the identity of the purchasing Eligible Customer.
7. Discounts, no Arbitrage: Any Eligible Customer that undertakes to resell all or part of its previously purchased long-term firm and/or short-term firm point-to-point transmission service to another Eligible Customer may resell such transmission service at the originally-paid amount or a discount. However, any resale of long-term firm and/or short-term firm point-to-point transmission service cannot exceed the tariffed rate or the amount originally paid by the selling Eligible Customer if the purchased long-term firm and/or short-term firm point-to-point.

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RATE SCHEDULE T-8

Non-Firm Point-To-Point Transmission Service

The Transmission Customer shall compensate the Transmission Provider for Non-Firm Point-To-Point Transmission Service up to the sum of the applicable charges set forth below:

1. Monthly delivery: \$8.1497 /kW per month.
2. Weekly delivery: \$1.8807 /kW per week.
3. Daily delivery: \$0.26794 /kW per day.
4. Hourly delivery: \$0.01116 /kW per hour.
5. Discounts: Three principal requirements apply to discounts for transmission service as follows (1) any offer of a discount made by the Transmission Provider must be announced to all Eligible Customers, (2) any customer-initiated requests for discounts (including requests for use by one's wholesale merchant or an Affiliate's use) must be announced to all Eligible Customers, and (3) once a discount is negotiated, details must immediately be announced to all Eligible Customers. For any discount agreed upon for service on a path, from point(s) of receipt to point(s) of delivery, the Transmission Provider must offer the same discounted transmission service rate for the same time period to all Eligible Customers on all unconstrained transmission paths that go to the same point(s) of delivery on the Transmission System.
6. Resales: The rates and rules governing charges and discounts stated above shall not apply to resales of transmission service, compensation for which shall be governed by Rule 12.11(a) of the Tariff.
7. Charges for Service: Charges for non-firm transmission wheeling service shall be assessed on the basis of actual capacity used even if a greater amount of non-firm capacity was reserved. Capacity charges shall be based on the actual capacity used within the scheduled period.