

SECTION 200 - SERVICE

201 Character of Service

Electric service is available at alternating current, 60-hertz, single-phase or three-phase, from an overhead or underground distribution line at one of the nominal American National Standards Institute (ANSI) standard voltages as given below. If three-phase service is required where single-phase is available, the customer shall pay the cost of providing three-phase service. In addition, the customer may be required to receive underground service as required by Title 21.90 of the Anchorage Municipal Code, "Underground Ordinance." Chugach can assist the customer in making this determination. Within the Municipal underground surcharge area new residential secondary services shall be installed underground.

202 Types of Service

Voltages available to Chugach customers are listed below.

<p>Secondary Voltages Single-phase, 120/240 volt, 3-wire Single-phase, 240/480 volt, 3-wire Three-phase, 120/208 volt, 4-wire, grounded-wye Three-phase, 277/480 volt, 4-wire, grounded-wye Three-phase, 2,400/4,160 volt, 4-wire, grounded-wye</p> <p>Note: Network metering is only available with prior approval from Chugach.</p>

<p>Primary Voltages Three-phase, 7,200/12,470 volt, 4-wire, grounded-wye Three-phase, 14,400/24,900 volt, 4-wire, grounded-wye</p>

Primary voltage is the highest voltage the Chugach distribution system has available for electric service before transformation to a secondary delivery or utilization voltage. Delivery will be made at standard available primary voltage that is available in the applicable service area. Primary metered service normally will not be available unless the customer requires primary voltage from the distribution system and obtains Chugach's approval prior to facility construction.

Note: All nominal voltages listed may not be available at all locations or for all loads. Contact Chugach to determine voltage availability and service entrance limitations prior to purchasing equipment. Single-phase 240/480 volt is available for non-residential installations only.

The maximum capacity for three-phase 120/208 or 277/480-volt service is 4,000 amperes of connected load based on the National Electrical Code. The maximum main switch capacity for 2,400 or 4,160-volt three-phase service is 3,000 amperes.

203 Application for Service

To obtain electric service from Chugach, contact the Member Services Department at 563-7366 to establish a member account for service. If the customer is not already a Chugach member, an application will need to be completed. Chugach-approved service equipment, inspected and approved by the Municipality of Anchorage or the State of Alaska, as applicable, must be provided by the customer. If Chugach does not have a power source immediately adjacent to the customer's property, a line extension may be required. In some cases, existing Chugach facilities may not be adequate and an upgrade will be required.

204 Application for a Line Extension

A line extension is the extension of primary electric facilities to the customer's property, subdivision or commercial building. For additional clarification, contact Chugach at 762-4631. An application for a line extension should be made as far in advance as possible.

Customers should contact Chugach for information for the estimated cost of extending electrical facilities. Chugach may ask for a site plan of the customer's property and a deposit to begin the review and design process for extending the electrical facilities. Chugach's Tariff will be discussed with the customer as to the amount that Chugach contributes and the cost the customer pays for the line extension.

Application. Customer applications are available by fax by calling 762-4631 or by coming to the Chugach office at 5601 Electron Drive. A sample copy can also be found at the end of this booklet. Submittal of a completed application and deposit to Chugach initiates the process. Deposits are \$100 per residential meter and \$300 per commercial meter. A designer will be assigned to the customer's project. Both the line extension coordinator and the designer will be in contact with the customer throughout the process. A work order number is also assigned for tracking purposes. Any drawings, electric load requirements, or permits the customer has for the project should be provided to Chugach at this time. Revised drawings should be provided to Chugach as soon as they become available.

Preliminary Design. A preliminary design and cost estimate is prepared for the customer's review. Chugach will explain how the costs are apportioned between Chugach and the customer. Chugach will deduct specific costs from the total cost and certain credits will be applied against the cost of the project on behalf of the customer in accordance with Chugach's Line Extension Tariff, Rule 8. The customer is required to sign both a preliminary cost estimate and an acknowledgment that the preliminary design meets the customer's requirements before the project can proceed.

Easement/Permit Review. After the customer signs the preliminary design and cost estimate, the project will be forwarded to Chugach's Land Services Department. Land Services will review the project design and proposed route to determine if easements are available or will need to be obtained, and what permits, if any, will be needed. Applicants are required to clear easements on their property to the specifications for secondary service furnished by Chugach.

Final Design. The designer will prepare a final design based on the report received from Land Services. Easements and permits are obtained at this time. After the completion of the design, engineering, 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.

Bid Process. Projects under \$40,000 utilize a unit price task order contract and no bid is required. Projects over \$40,000 are normally sent to bid every Tuesday to Chugach's approved contractors. Bids are generally received back the following Tuesday. The customer needs to have the property at final grade and the easements free from obstructions (i.e., gravel, debris, old cars, etc.) prior to the start of construction.

Agreement Process & Payment. After bids are received a Line Extension Agreement is finalized for customer's signature. Payment plans are available for single lot, residential line extensions only. The project will be released for construction when the Agreement has been signed and the customer has paid any monies due.

Applying for Service. Before the project is complete the customer will need to contact Chugach's Member Services Department at 563-7366 to establish a member account for service. If the customer is not already a Chugach member, an application will need to be completed. Chugach-approved service equipment, inspected and approved by the Municipality of Anchorage or the State of Alaska, as applicable, must be provided by the customer. All service entrance equipment shall conform to Chugach's Electric Service Standards and Requirements.

Note 1. Line extensions involve construction of poles and overhead lines or installation of trench and cables and other facilities to bring power to the customer's property, subdivision or commercial building. A secondary service connection links the meter in the customer's new house, apartment or business to the power line.

Note 2. The length of time it will take Chugach to design, bid and construct the customer's project will depend on, but is not limited to, the following: type of the line extension (single-phase, three-phase, residential, commercial), size of the extension, availability of easements and permits, time of year, changes to building design by the customer, execution of a Line Extension Agreement (signed contract), and receipt by Chugach of any monies due from the customer.

Note 3. If the customer's project plans change at any time, it may have an impact on Chugach's design and subsequent construction schedule. The customer should notify Chugach immediately. Redesign by Chugach may be required and the customer may incur a redesign fee. Changes to design can impact the time it takes to complete the customer's line extension. If the customer requires a project to be re-bid, an additional charge will be incurred.

Note 4. Certain parts of the Chugach service area have mandatory undergrounding requirements. Applicants wishing to seek waivers of this requirement are responsible for initiating the waiver process with the governing agency as well as any follow-up and appearances before boards and commissions.

Customer Construction: A customer may choose to hire an engineer to design and a contractor to construct a new line extension under the conditions described in the Chugach Tariff, Section 8.9. A licensed Alaska-registered electrical engineer must perform the design. A licensed Alaska electrical contractor must perform the construction. The contractor must employ a licensed Alaska electrical administrator (unlimited line work category). Contractor installation personnel must possess valid Alaska certificates of fitness. For specific requirements, please contact Chugach.

205 *Electric Service Extensions to Permanent Facilities*

1. Chugach will extend up to 100 feet (or to the nearest service point on the structure, whichever is less) of secondary conductor to the customer's service entrance location provided that Chugach's facilities are of proper capacity to serve the customer's needs. The customer shall pay all costs for pavement cutting, removal and repair related to the service extension.
2. If upgrades to the Chugach system become necessary, Chugach may require the customer to pay for such upgrades based upon the line extension requirements (see Section 204).
3. If an application for underground service is received after the first day of September and before the following year, frozen ground may necessitate that the underground service must be installed either by steam thawing or temporarily placed above ground. When underground service is installed temporarily above ground, it shall be installed in corflo or electrical non-metallic tubing. Only secondary service conductors (not exceeding 480-volt) may be temporarily installed above ground. Chugach will not install corflo across roadways, driveways, or other locations including easements open to vehicles or equipment where it may be subject to damage. The customer shall pay all related costs.
4. The customer will receive underground secondary service where Chugach facilities are underground. Where Chugach facilities are overhead, the customer may receive either overhead or underground service, subject to the Underground Ordinance, Title 21.90 of the Anchorage Municipal Code. All new secondary residential service requires underground service within the Municipality of Anchorage underground surcharge area.
5. For customers requiring single-phase service up to 200 amps, Chugach will extend up to 100 feet (or the nearest point of service, whichever is shorter) of secondary service line, either overhead or underground, to a building at no charge provided Chugach's facilities are of proper capacity to serve the customer's needs and provided the installation is consistent with the National Electrical Safety Code and Chugach's requirements for the shortest direct route from the meter base to the Chugach pedestal or pole. The customer shall pay all costs for pavement cutting, removal, and repair related to the service extension. The customer may only receive underground secondary service when an area has underground facilities, or either overhead or underground secondary service from overhead facilities (outside of the area subject to the Municipality of Anchorage Underground Ordinance (Title 21.90)). All new secondary residential services require underground service within the Municipality of Anchorage underground surcharge area.

The customer will be responsible for the additional cost listed in Chugach's tariff for secondary service in excess of 100 feet (or the nearest point of service, whichever is shorter). All services greater than 300 feet require Engineering review and approval.

- a. For customers requiring service above 200 amps, Chugach may require a primary line extension and the installation of a transformer. The customer will be responsible prior to construction for any additional costs.
- b. Placement of the customer's meter base at any location on the residential structure, other than within 3 feet from the corner of the structure that is closest to the appropriate power source designated by Chugach, requires prior approval by Chugach.
- c. For extension of secondary service to a building, Chugach will require the customer to clear a 10-foot wide path on the property to be served from the power source to the meter base following the most direct route. The route must be clear of all trees, shrubs, brush, stumps, debris, building materials, etc. For underground services the slope of the route must be no more than 3:1 for inline installations and no more than 4:1 where the trench traverses the slope. If these slope conditions cannot be met, Chugach must either approve the route in advance (based on specific site conditions) or an alternative meter and service entrance equipment location will be required. In all cases where an exception is made to install a trench in a steeper slope, the customer accepts responsibility for restoration and maintenance of the trench to control possible erosion. Chugach will backfill the trench in accordance with standard practices.
- d. For customers requiring three-phase service, Chugach may require a primary line extension and/or installation of a transformer. The customer will be responsible prior to construction for any additional charges. Customers are advised to contact Chugach to determine if facilities are of the proper type and capacity to provide service.
- e. Residential customers who select a remote meter base service installation require prior approval by Chugach of a location outside of the utility easement and on the customer's property close to the service alignment based on a typical structure mounted meter location (refer to SS-6). A permanent sign (8" x 5" minimum) shall be attached to the residence at the typical structure mounted meter location six feet above final grade that provides the following information "REMOTE METER DISCONNECT located 00 ft south/north and 00 ft east/west". The installer shall substitute the relevant distances and bearings (accurate to within five feet). The background color for the sign shall provide sufficient contrast with the siding color to be recognizable at a distance of ten feet in daylight and the lettering legible at three feet. Refer to 307.15 and 307.16 for additional signage requirements.

206 Electric Service Extensions to Temporary Facilities

1. Chugach will extend temporary service to the customer's service entrance equipment at a location designated by Chugach, provided that Chugach's facilities are of the proper

capacity to serve the customer's needs. The customer shall make arrangements to pay Chugach for the installation and removal cost, including material, labor, equipment and indirect overhead, less the salvage value of materials that are returned to stock prior to service construction by Chugach. Temporary service is allowed for a period of up to one year for the purpose of construction and shall be converted to permanent service upon completion of construction.

2. If an application for temporary underground service is received after the first day of September and before thaw the following year, frozen ground may necessitate that the underground service must be installed either by steam thawing or temporarily placed above ground. When underground service is installed temporarily above ground, it shall be installed in corflo or electrical non-metallic tubing. Only secondary service conductors (not exceeding 240-volt) may be temporarily installed above ground for temporary facilities (480-volt requires thawing and trenching unless the temporary service is located within a fenced, controlled access area). Chugach will not install corflo across roadways, driveways, or other locations including easements open to vehicles or equipment where it may be subject to damage. The customer shall pay all related costs.
3. The customer will receive temporary underground secondary service where Chugach facilities are underground. Where Chugach facilities are overhead, the customer may receive either overhead or underground temporary service (see optional overhead configuration in SS-4), subject to the Underground Ordinance, Title 21.90 of the Anchorage Municipal Code. For service areas outside of the Municipality of Anchorage, the customer will receive temporary overhead service where facilities are overhead.

207 Easements

Easement definition: An easement is an interest in land of another for a specific purpose. In the case of an electric utility such as Chugach, it includes the right of access over the easement area, the right to cut down or trim any part of trees within the easement, the right to remove any obstructions within the easement area that interfere with construction or maintenance activities. No permanent structure will be allowed within the easement. Pavement, fences, shrubbery and gardens may occupy the easement area but only at the property owner's risk.

Chugach will construct, own, operate and maintain facilities only on public or private property across which easements or rights-of-way, satisfactory to Chugach, may be obtained without cost to Chugach or within the public streets, roads or highways in which it has legal rights to occupy without future relocation liability. All applicants for service must provide Chugach with all easements or rights-of-way required for any portion of the line extension that is on the 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.

208 Customer Facilities

1. Before any service entrance is installed on any building or substantial changes made in any existing service, the customer, builder or authorized representative shall obtain

approval from Chugach as to where the service entrance and meter shall be located. Refer to Section 302 for specific requirements.

2. Chugach shall require the customer to clear a 10-foot wide path on the property to be served from the power source to the meter base following the most direct route. The route must be clear of all trees, shrubs, brush, stumps and debris. For underground services the slope of the route must be no more than 3:1 for inline installations and no more than 4:1 where the trench traverses the slope. Where these slope conditions are not met, Chugach must either approve the route in advance (based on specific site conditions) or an alternative meter and service entrance equipment location is required. In all cases where an exception is made to install a trench in a steeper slope, the customer accepts responsibility for restoration and maintenance of the trench to control possible erosion. Chugach will backfill the trench in accordance with standard practices.
3. The customer's premises shall be at +/- 6 inches from final grade prior to Chugach's installation of underground cable, conduit, meter(s), or other related equipment.
4. The customer shall install and maintain all wiring equipment beyond the point of delivery including meter sockets, disconnect devices, circuit protection devices, CT cabinets, CT mounting bases, wall-mounted pull boxes with terminating facilities, and any similar or related electrical enclosures. Chugach shall provide all kilowatt-hour meters, CT's, transformer-rated test switches and associated wiring. The point of delivery, unless otherwise specified, is that location on the exterior of the customer's building or structure where Chugach's system and the customer's facilities are interconnected.
5. The customer's wiring, meter base, and service entrance facilities shall be installed and maintained by the customer in conformity with applicable municipal or state requirements, current standards required by the National Electrical Safety Code, the National Electrical Code, Chugach's Electric Service Standards and Requirements and Tariff. Service entrance conduit sizing shall be coordinated with and approved by Chugach prior to installation. Refer to Service Guide SG-7 for conduit details.
6. An affidavit or certificate of inspection is required by Alaska statute and must be furnished before service is connected. Chugach may disconnect, refuse to connect or reconnect service when a customer's wiring of facilities is found to be non-compliant with the applicable codes, ordinances and requirements. Refer to Section 400 for specific details on inspections.
7. Chugach will not install meters in any unsafe location such as along stairways, above window wells and under inclined roofs subject to sliding ice. Carport, porch or patio areas should be avoided due to possible future enclosure of such areas, resulting in inconvenience to the customer when it becomes necessary to move the meter location to enable Chugach to read, inspect or test the meter.
8. The customer is responsible for providing suitable protective devices for the equipment on the customer's premises. Customers shall protect their equipment from potentially

harmful conditions, including but not limited to, single-phase operation of equipment requiring three-phase service or under and over-voltage conditions.

9. The customer is responsible for providing locations of existing or proposed private (non-utility) subsurface facilities, including but not limited to, storm drain, septic, heated driveway/sidewalk, lighting circuits etc. This information will be used to resolve conflicts with Chugach facilities and equipment.

209 Service Conductor Connection

The customer's electrical contractor on all commercial services shall make the secondary connections on the "load side" of the switchgear or bus (meter socket lugs for self-contained applications). Line side connection terminals are reserved for Chugach's use. Chugach will trench and install secondary service conductor between the service entrance and the transformer, pole or pedestal, but the secondary service conductor will remain de-energized until the customer's electrical contractor has completed the connections and has passed an electrical inspection (MOA Building Safety within the Municipality of Anchorage or State of Alaska (commercial only) or Chugach for all service area outside of the Municipality of Anchorage). All other service connections will be made and/or terminated by Chugach and/or its representative. If electrical service must be disconnected for any reason, the customer must contact Chugach.

210 Service Facilities on Customer's Premises

1. All facilities furnished by Chugach on the customer's premises shall remain the property of Chugach and may be removed, replaced or updated by Chugach at any time. The customer shall provide space for and exercise care to protect Chugach's property located on the customer's premises. In addition, the customer shall not break Chugach's equipment seals. The customer shall be liable for loss or damage to Chugach's property arising from neglect, carelessness, vandalism, improper protection from ice, snow and water, or misuse by the customer or any other person on the customer's property.
2. Tampering with meters is prohibited by Chugach and is a civil offense under Alaska Law (AS 42.20.030 and AS 42.20.032). Any tampering, breaking of meter seals, opening or damaging of Chugach's locks, interference, or work performed upon meter installations or other property of Chugach is prohibited. Chugach may, at any time and without notice, discontinue supply of service to the customer and remove the meter(s) and equipment in the event of such tampering or interference. The customer shall be responsible for payment of all costs that result from such tampering or interference with Chugach's property. Those costs may include, but are not limited to, disconnection and reconnection charges, a tampering fee under Chugach's current tariff, investigation-related costs, repair costs associated with damage to Chugach's property, and payment for electricity consumed but not metered. Service will not be restored to such customer until payment has been made to Chugach for all costs and all repairs to customer's equipment have been completed.
3. On underground service installations requiring padmounted equipment (or any other above-grade equipment such as secondary pedestals), the customer is required to furnish

an accessible and safe location for the padmounted equipment on the customer's property. Chugach must approve all padmounted equipment site locations. Chugach will not install padmounted equipment on property other than that of the customer's (i.e., in a street or alley right-of-way, or on adjacent property) unless providing service to residential loads or load centers). There should be a minimum clearance from trees, shrubs and building walls of 10 feet in front of the padmounted equipment and 6 feet on each of the other sides (The 6 foot dimension may be reduced to 3 feet for non-combustible structures, fences and shrubs). Clearance above the padmounted equipment should be sufficient to provide crane clearance for installation and replacement. Where required, the customer shall install, at his expense, suitable protective or security devices designated by Chugach on the customer's premises.

4. Refer to Service Guide SG-3 for non-residential padmounted transformer clearance requirements, when located adjacent to non-utility structures and for the maximum length of three-phase underground services.
5. Properly identified employees of Chugach shall have access to customer premises at all reasonable times for the purpose of reading meters, testing or inspecting the customer's load and equipment, or installing, repairing, removing or exchanging equipment belonging to Chugach. The customer shall not erect or have any device, building, fence, shrubs, trees, etc., that would impede utility access to Chugach's equipment.

211 *Undesirable Service Characteristics*

1. Chugach may refuse or discontinue service to a customer's installation if the customer's installation has load characteristics that may cause excessive voltage fluctuations, impairment of service, or damage to facilities of Chugach or other customers. Undesirable load characteristics include, but are not limited to, 20% unbalanced load between phases, a power factor below 90%, or cyclical demand fluctuations produced by the customer's equipment. If a customer with a measured demand of 50 kW or more has an average power factor less than 90% lagging, the monthly demand factor shall be increased by 1% for each 1% that the power factor is below 90% lagging. As a condition of service, Chugach may require that customers install at their own expense equipment that will eliminate the undesirable load characteristics.

Single-phase motors must be no larger than 10 hp; three-phase motors no larger than 25 hp. Chugach may allow the installation of larger motors after studying and determining the effects of larger motors on the system at its proposed location. Chugach may require the customer to use reduced-voltage starters or other types of control systems to mitigate the effects of the equipment operation on other customers. The maximum horsepower of all motors that a customer can have running at any one time on a single-phase line on one service is 40 hp.

2. Devices that can produce 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 harmonic distortion resulting from these devices is kept within the limits specified in the most recent revision to IEEE 519, Section 10.

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."

212 *Electrical Generators*

1. *Connections to other Systems:* Chugach will deny service to or disconnect its service from any premise or facility that is connected to another electrical system other than the customer's stand-by electrical system that is connected through a transfer switch that is approved by Chugach. A "stand-by electrical system" is an electrical system that is used to supply electricity to a customer's premise when utility service is not available. The transfer switch must be of a design that will ensure that backfeed into Chugach's electrical system will be prevented. Chugach shall make the sole determination as to whether or not a stand-by electrical system installation meets Chugach's requirements and provides an appropriate level of protection against backfeed into its electrical system.
2. *Manual Transfer Switches (Open Transition):* Manual transfer switches shall be of the double-throw, open-transition type. Key type interlock systems employing key cylinders, locking bolts, and ratcheting or pivoting plates that attempt to externally connect two independent circuit breakers in a break-before-make scheme are not approved.
3. *Automatic Transfer Switches (Open Transition):* Automatic transfer switches shall be the open transition type except as noted below (212.5). Automatic transfer switches must provide for manual transfer of customer load. Automatic transfer switches shall have both mechanical and electrical interlocks to prevent parallel operation of the customer's stand-by electrical system with Chugach's electrical system.
4. *Modifying or Overriding Transfer Switches (Open Transition):* Chugach will deny service to or disconnect its service from any premise or facility with a stand-by electrical system that is found to have any modifications to a transfer switch, unless Chugach has approved such modifications in writing.
5. *Parallel Operation (Closed Transition) Transfer Switches:* Stand-by electrical systems intended for momentary (not exceeding 100 milliseconds) parallel operation (closed transition) shall not be installed without prior written approval from Chugach. The system shall not be connected until Chugach has inspected and signed off on testing of the closed transition transfer switch and stand-by electrical system. Momentary parallel operation shall be allowed only for maintenance and testing of stand-by emergency electrical systems and must be scheduled with and approved in advance in writing by Chugach.
6. *Transfer Switch Approval:* Transfer switches, both open transition and closed transition, for use with stand-by electrical systems shall be approved by Chugach prior to installation. The applicant shall provide a one-line electrical diagram of the proposed installation showing the normal source (utility power), the alternate source (stand-by emergency power), and an accurate depiction of the transfer switch employed. Chugach also requires the generator's specific ratings and capacities, the transfer switch's specific ratings and capacities, and a detailed description of transfer switch operation. (If the

transfer switch is intended for parallel operation (closed transition type), the applicant shall also provide specifications of all interconnecting equipment including circuit protection (protective relays), instrumentation, measurement, and control equipment.)

7. *Prohibited Transfer Equipment:* Meter socket adapter transfer devices are prohibited for use on Chugach's system.
8. *Interconnected Generation:* A customer may operate an electric generator in parallel with Chugach, provided they have executed an "Interconnection Agreement" with Chugach. Copies of the Chugach "Interconnection Guidelines For Non-Utility Generation" including the application forms are available upon request from Chugach Engineering.

213 Customers Sub-Metering Resale of Electricity

1. A customer shall not sell any of the electric energy furnished by Chugach unless the customer holds a valid certificate of public convenience and necessity issued by the Regulatory Commission of Alaska for retail distribution of electric energy and the customer has executed a contract with Chugach, or is accepting service under a schedule, which specifically authorizes the sale of electricity.
2. Customer sub-metering for the purposes of apportioning costs between two or more units in a master-metered premises is not the resale of electricity.
3. Chugach will consider accepting conversion of customer sub-metering equipment to a utility point of delivery configuration only if the equipment meets all of the applicable Chugach requirements and specifications for multiple metering.

214 Load Centers

Load centers are used to control signal lights, streetlights, thaw wires, pump stations, etc. Load centers are generally placed in road rights-of-way or "agency" easements. Contact the State of Alaska, Department of Transportation & Public Facilities, the Municipality of Anchorage Public Works Department, or the appropriate agency for approval to utilize the right-of-way. Customer owned facilities may not be installed within a telephone and/or electric easement without permission from Chugach, ACS, GCI and the affected property owner.

Load centers are to be located no more than 15 feet from an approved power source and must be pre-approved in writing by Chugach. Load centers with an enclosed meter socket require a hinged cover (Municipality of Anchorage Type 3) or a safety socket (see SE-8). All 480-volt load centers require a safety socket. Load centers are to be constructed in accordance with Chugach's Service Standard SS-14, Underground Service to Load Centers 200 Amps or less, or SS-15, Overhead Service for Load Centers 200 Amps or less, located in Section 500 of this booklet.

215 Work Requirements In Proximity to Chugach Facilities

All work on or in the immediate vicinity of Chugach’s facilities, such as backfilling, temporary support, shoring, and relocations are subject to prior approval and inspection by Chugach.

Each year, copies of the Chugach “Electrical Facility Clearance Requirements” policy are mailed out to various companies and agencies whose activities may bring their personnel or equipment in close proximity to electrical facilities. Chugach distributes copies of this policy in an effort to help minimize and identify potential hazards for construction personnel and the general public. In addition, Chugach is concerned with preventing possible damage to its electrical facilities and disruption of electrical service to customers.

Any questions or approvals involving these facility clearance requirements should be addressed to Chugach. For copies of Chugach’s current policy for construction or maintenance near electrical facilities, please call 762-7655. Copies are available online at www.chugachelectric.com (select Customer Service then For Your Home or For Your Business and, finally, select Special Services).

216 Modifications to Services and/or Facilities

If it is necessary to retire or relocate services, distribution facilities (including Chugach-owned transformers or pedestals located on or adjacent to customer's premises), yard lighting or street lighting for the convenience of the customer, such relocations will be performed by Chugach at the expense of the customer. The customer shall pay the cost (material, labor, equipment and overhead) of constructing and installing the new facilities plus the cost of removing the replaced facilities less the salvage value of the relocated facilities as determined by Chugach. A modification of existing facilities will not be considered "operationally feasible" if the purpose is to move the facilities, or any part thereof, to the premises of another customer unless that customer agrees in writing to such modification.

Chugach provides the following services and/or modifications to facilities. The customer will be advised of the cost involved and work will not begin until payment is received.

Upgrade of service
Relocating service
Overhead service - too low/too long/too close
Convert service from overhead to underground
Guy wire - move/shorten/install guard covers
Lower underground cables

Contact Chugach’s Construction & Maintenance Department at 762 7655