

106. POINT OF SERVICE

The energy supplied by Alliant Energy changes ownership at the point of service. This is the location where the customer's wiring starts and Alliant Energy's ends. For overhead, the point of service is where Alliant Energy attaches its service drop to the building or structure. For underground, the point of service is at the primary metering point, self-contained meter, metering transformer cabinet or termination box.

107. APPLICATION FOR SERVICE

Applications for a new service and/or changes to an existing service shall be made in writing and made in advance of the required service date. This will permit Alliant Energy to plan and schedule work to provide service by the date required. Please call 1-800-ALLIANT (800-255-4268).

A. Application forms:

The proper application for service shall be submitted when applying for service.

B. Service Location:

1. The customer shall call Alliant Energy Engineering for assistance and approval when determining the service location on the building or where the structure supporting the service will be located.
2. The customer shall provide Alliant Energy with all load information and the proposed service entrance size and voltage requirements with the application.

C. Charges:

After a review of the site and facilities in the area, Alliant Energy shall notify the customer if additional charges are required to cover the cost for the service.

D. Easements:

1. The customer shall provide Alliant Energy a recorded copy of the Certified Survey Map or a Plat of the property where the service will be required.
2. The customer shall provide government approved forms indicating the location of any existing or proposed septic systems.
3. The customer shall provide easements for service and/or distribution facilities where required.

E. Line Clearance:

The customer shall be responsible for clearing any trees or brush preventing service installation of Alliant Energy facilities.

F. Electrical Wiring Inspections:

1. Customer wiring installations shall meet the minimum requirements set forth by the state regulatory commissions and the local Authority Having Jurisdiction (AHJ). Alliant Energy shall receive written approval from the AHJ.
2. For all commercial and new residential services, a Certificate of Electrical Inspection is required before Alliant Energy will energize the service.
3. Alliant Energy reserves the right to inspect for compliance with the ESR and ESE e-manual but assumes no responsibility for inspection of the customer's installation.

- 4. If Alliant Energy personnel is on site and notices electrical installation may be unsafe, Alliant Energy reserves the right to request an inspection prior to energizing the customer service.

For additional information, contact Alliant Energy Engineering at 1-800-ALLIANT (800-255-4268).

108. SERVICE VOLTAGES AND MAXIMUM AMPERAGE (600 VOLT OR LESS)

Standard (600 Volt or less) service voltages provided by Alliant Energy are listed below. (Not every voltage is available at every location).

For service voltages greater than 600 Volts see Chapter 10 - Primary Service.

MAXIMUM SERVICE ENTRANCE AMPERAGE			
TRANSFORMER	POLE-MOUNT	POLE-MOUNT	PAD-MOUNT
SERVICE	OH ⁷	UG	UG
120/240V-1 Phase	600 ^{2,6}	400 ⁶	600 ^{2,6}
120/208V-1 Phase	200 ¹	200 ¹	200 ¹
120/208V-3 Phase	1200 ^{3,4}	400	3000 ^{3,5}
277/480V-3 Phase	600 ²	400	3000 ^{3,5,8}

SUPERSCRIPTS:

1. Available only from an existing 120/208V 4 wire system, max. 200-amp network meter.
2. 600-amp Continuous Duty service or 800-amp Intermittent Duty Services in non-agriculture areas are limited by loading on 167 kVA transformer.
3. Continuous Duty Service.
Service entrance equipment listed as “Continuous Duty” may be operated at its full load for 3 hours or more. Those listed as “Intermittent Duty” may only be operated at 80% of its full load for long periods and 100% of full load for short periods, depending upon its design.
4. Limited by loading on 3-167 kVA transformers. May require multiple electric service masts.
5. Limited by loading on the largest available Pad-Mounted Transformer for the service voltage being utilized.
6. In areas near livestock (within ~ 1/2 mile), single phase services are limited to the maximum sizes below. Larger single-phase services may be allowed pending Agriculture Representative testing. Additional system upgrades may also allow for larger services. All exceptions shall be forwarded to Agriculture compliance team for review (Refer to ESR e-manual Chapter 8):
 - a. 15kV and below: 400 Amp secondary
 - b. 25kV system: 800 Amp secondary
7. In Wisconsin, new services are underground as a standard. New overhead services by Alliant Engineering approval only.
8. 4000-amp intermittent duty service by Alliant Engineering approval only.