



# Kaysville City

Application of

## Electrical Service Upgrade to a maximum of 200 amp

- ~ Existing service size \_\_\_\_\_ ~ New service size \_\_\_\_\_
- ~ There must be a main disconnect at the meter base on the exterior of the home.
- ~ Wire must be sized as per table E3603.1. (below)
- ~ You will be given credit for the existing service size and any additional size will be charged accordingly as determined by the consolidated fee schedule and applicable permit fees.
- ~ Any service size larger than 200 amp must be dealt with on an individual basis.

### Kaysville City, Title 10 Electric Power and Light

**10-2-7 Overhead Service Attachment.** Service attachment of adequate strength to insure that the service is securely attached to the building or other structure shall be provided by the customer.

**10-2-8 Overhead Service Masts.** A service mast shall be used on all single story structures and shall extend through the roof of said structure and shall be at least two inch (2") rigid conduit. Where a service mast extends through the roof on any structure, it shall be at least two inch (2") rigid conduit with no couplings above the eaves.

**10-2-9 Underground Service Duct.** Underground service conductors shall be installed in two inch (2") or larger rigid conduit and rigid elbow with all couplings threaded or two inch (2") or larger intermediate conduit and intermediate elbow with all couplings threaded at the service entrance riser, and in two inch (2") or larger PVC Western Standard or other approved electrical conduit with all joints glued and attached from the elbow to within one foot (1') of the pedestal or distribution transformer.

TABLE E3603.1 SERVICE CONDUCTOR AND GROUNDING ELECTRODE CONDUCTOR SIZING

CONDUCTOR TYPES AND SIZES—THHN, THHW, THW, THWN, USE, RHH, RHW, XHHW, RHW-2, THW-2, THWN-2, XHHW-2, SE, USE-2 (Parallel sets of 1/0 and larger conductors are permitted in either a single raceway or in separate raceways)		SERVICE OR FEEDER RATING (AMPERES)	MINIMUM GROUNDING ELECTRODE CONDUCTOR SIZE <sup>a</sup>	
Copper (AWG)	Aluminum and copper-clad aluminum (AWG)		Copper (AWG)	Aluminum (AWG)
4	2	100	8 <sup>b</sup>	6 <sup>c</sup>
3	1	110	8 <sup>b</sup>	6 <sup>c</sup>
2	1/0	125	8 <sup>b</sup>	6 <sup>c</sup>
1	2/0	150	6 <sup>c</sup>	4
1/0	3/0	175	6 <sup>c</sup>	4
2/0	4/0 or two sets of 1/0	200	4 <sup>d</sup>	2 <sup>d</sup>

Provide a one-line electrical diagram (or use the back side of this paper)