

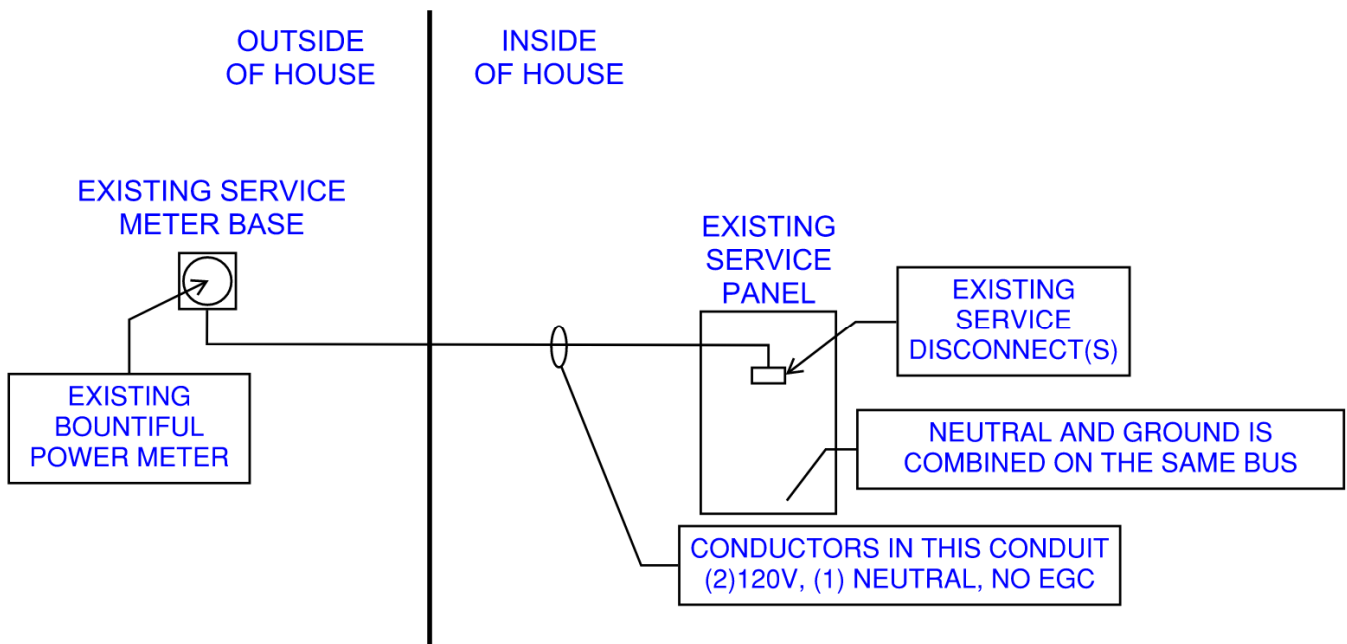


CHANGE OF SERVICE / ELECTRICAL POLICY

Department Engineering/Building/Power	Subject Change of Service / Electrical
Approved By Lloyd Cheney, City Engineer	Approved By Don Simons, Building Official
Approved by Luke Veigel, Electrical Engineer	Effective Date September 25, 2023

Background to Policy: Bountiful City has many older electrical services without disconnects at the meter, which means the energized conductors from the meter are always live inside the home. Most of these older meter bases do not have the required isolated grounding and neutral conductors as required in the current code. See Figure 1 for a typical older service.

Figure 1
TYPICAL OLDER / EXISTING ELECTRICAL SERVICE

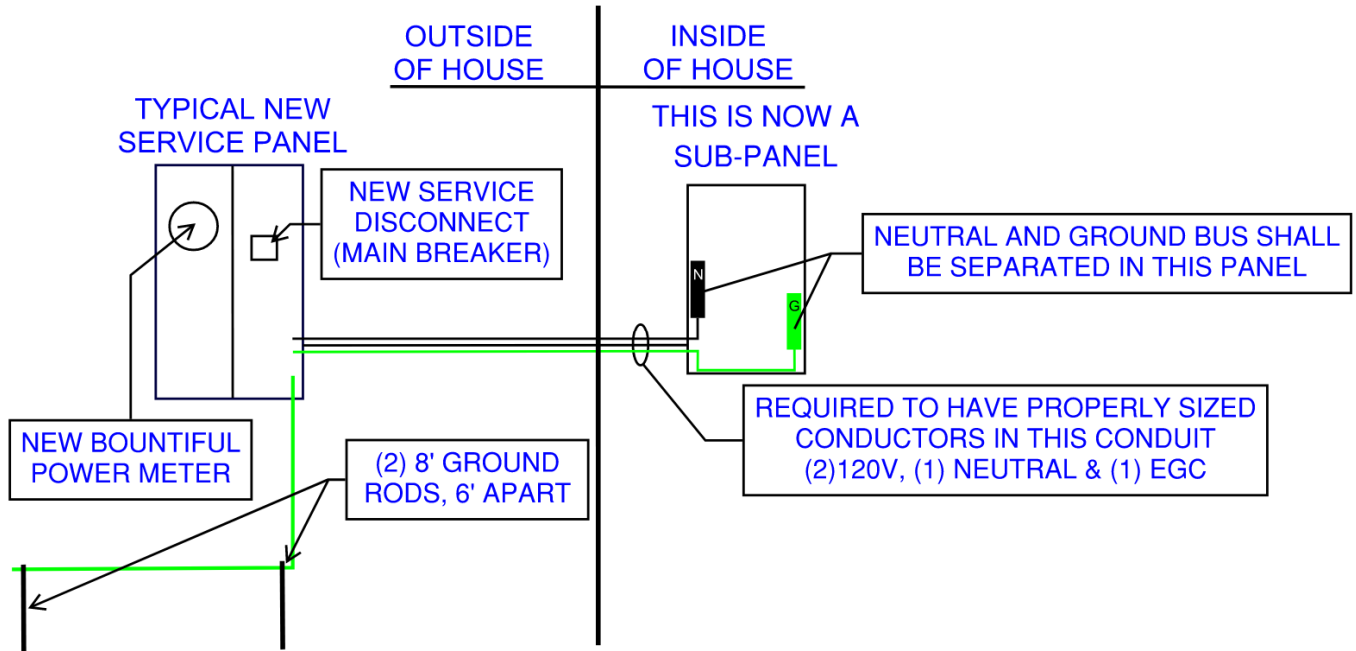


When a service meter is upgraded to new equipment, the electrical panel inside the home changes from a “service panel” to a “feeder or sub panel”. This is because the service disconnect(s) are now included in the new equipment panel installed on the exterior of the home. In this new configuration, all four conductors [(2) 120V, (1) neutral & (1) equipment grounding conductor] must be run from the “feeder panel/sub panel” to the new equipment panel in the same conduit or pathway. Inside the “feeder panel/sub panel”, all conductors for neutrals and grounds must be separated and terminated on separate bus bars (see Figure 2). An existing interior breaker panel may be used as the “feeder pane/sub panel” if it is UL listed and can be modified to meet code requirements. Otherwise, a new code compliant panel must be installed at this location.

Any Contractor or Owner Builder who performs residential Electrical Service or Electrical repairs in the state of Utah is required to follow the requirements in the 2021 International Code Council, International Residential Code (IRC), IRC Part VIII-Electrical and 2021 International Existing Building Code (IEBC).

New electrical Service Policy:

Figure 2
TYPICAL NEW ELECTRICAL SERVICE

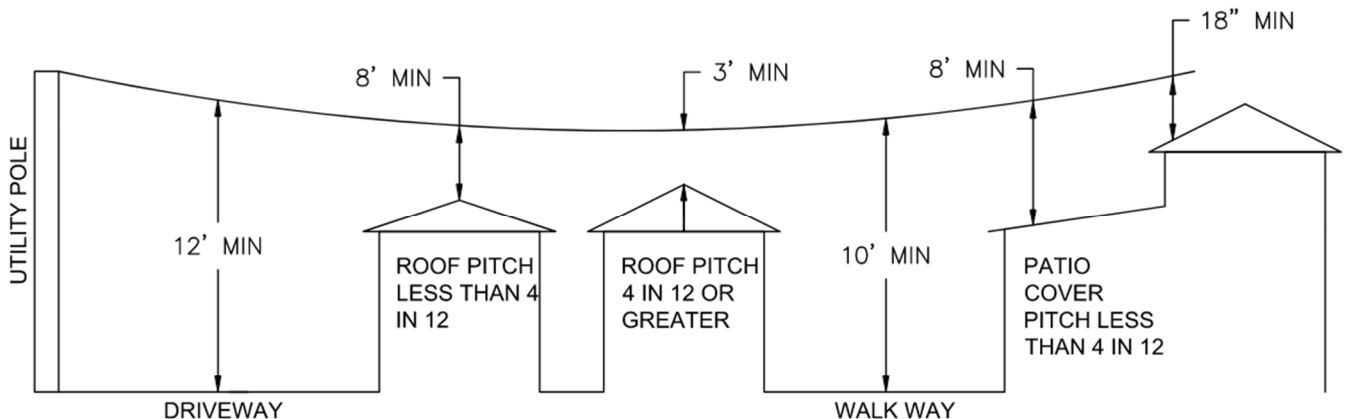


Any work performed involving repairs or replacement of an interior Service Panel or any work requiring the removal of the meter requires an upgrade to the Service Meter.

See Figure 3 for clearances over new or existing structures. Any work involving the disconnection of the Overhead Service Conductors requires the minimum clearance must be met before conductors can be reconnected.

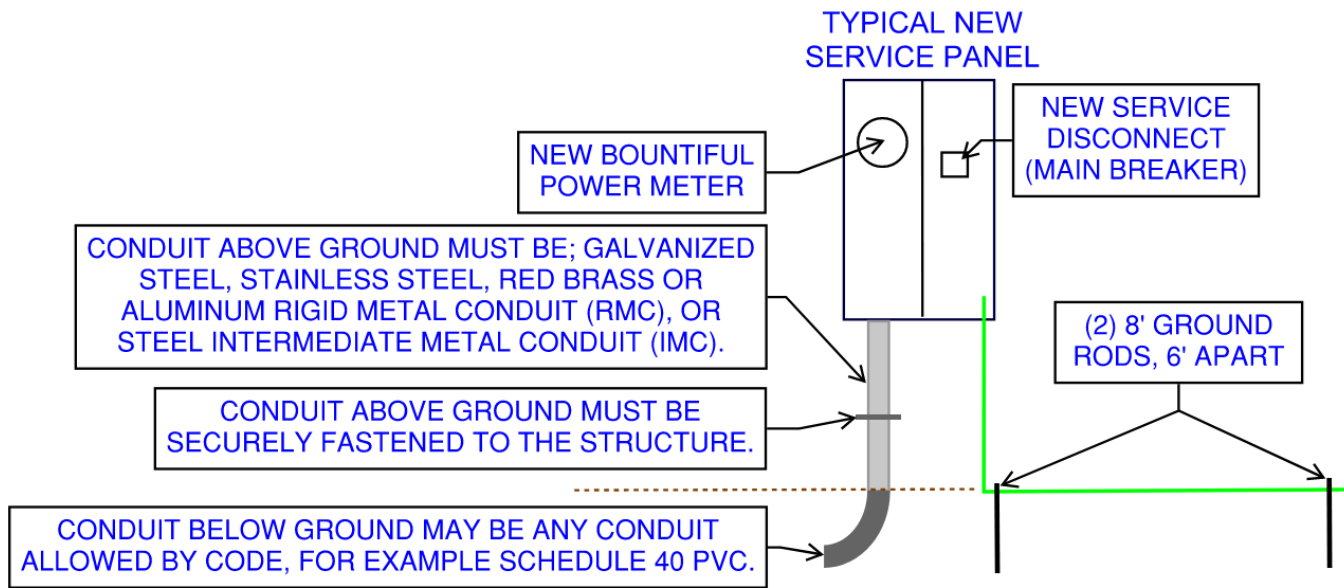
Overhead Service Policy:

Figure 3
OVERHEAD SERVICE CONDUCTOR CLEARANCES



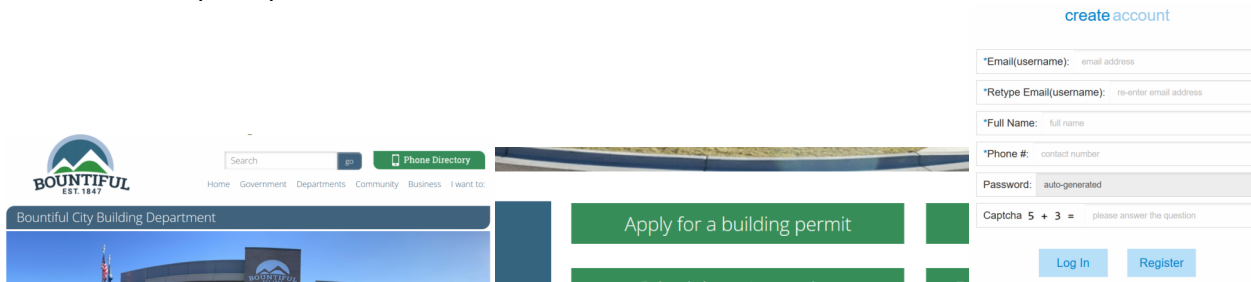
Underground Service Policy:

Figure 4
UNDERGROUND NEW ELECTRICAL SERVICE



Residential Change of Service permit procedures:

- A. Building Permit Required. Go to www.Bountifulutah.gov, click on the “Building Department” then click the green “Apply for a building permit” bar to apply. Follow prompts to create an account.



- B. The cost is \$75.50 for overhead and \$151.50 for underground. (\$75 permit & \$.75 state fee, \$150.00 permit & \$1.50 state fee). Rewire and interior panel changes are based on project valuation per State standards.