



RESIDENTIAL ELECTRICAL SERVICE UPGRADES, REPLACEMENTS, ETC.

For electrical service upgrades and change-outs an Electrical Permit for a service must be purchased for \$85.00. This fee includes the service and all **existing** circuits/feeders that are reconnected to overcurrent devices installed as part of the replacement/upgrade. The fee will be increased \$15.00 per circuit for all **additional or modified** circuits/feeders installed as part of the project. All illegal or hazardous wiring noted during the inspection shall be repaired.

All electrical service upgrades (increase in amperage); replacement of the electrical service panel; and overhead to underground conversions must meet the 2023 National Electrical Code (NEC). This includes, but is not limited to, the required exterior emergency disconnect (2023 NEC 230.85), service grounding and bonding, panelboard clearances, overhead service conductor clearances (existing or new), conduit/cable strapping (including existing service conduit), breaker ties/2-pole breakers for multi-wire circuits, grouping multi-wire circuit conductors, barriers at service terminations, and a completed circuit directory clearly identifying the use of each circuit and/or feeder. A routine electrical panel replacement of the same amperage (e.g. fuses to circuit breakers) **will now be require to meet the new 2023 NEC 230.85(C) code requirement, which would now require an exterior emergency disconnect to be installed.**

If there is storm damage to a service mast an Electrical Permit must be purchased for the electrical service repair. If the repair is limited to **only the replacement of the service conductors and conduit, and/or the meter enclosure**, the City of St. Paul will not require the exterior emergency disconnect per 2023 NEC 230.85(C)(exp.). The repairs to the service mast are required to meet the height requirements of 2023 NEC 230.24(B). The Electrical Inspector will require access to the building to ensure the existing electrical service panel Grounding Electrode System has not been modified/removed, or damaged. If a service with an indoor meter is damaged and needs repair, contact Xcel Meters to determine whether they want the meter moved outside (this is entirely up to them, they have the right to refuse service if their requirements are not met). If you have any other questions, please contact the Electrical Department at (651) 266-9003 **BEFORE** you start. Thank you!

Revised: 07/2023