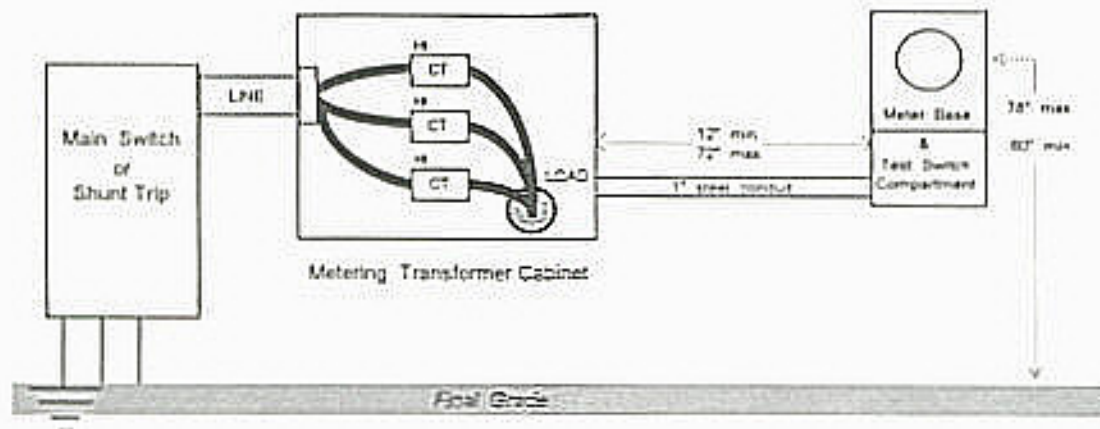


City and Borough of Sitka Metering Requirements

Current Transformer Metering

SERVICES REQUIRING CURRENT TRANSFORMER METERING

Current transformer metering is required for three phase services above 200 amps and single phase services above 400 amps. You must consult us as early as possible for this type of service in order to prevent delays should metering equipment need to be ordered. The meter base, metering transformer cabinet, and service main switch are required to be mounted outdoors at a location that has been approved by the System Engineer or General Foreman of the Electric Department. Questions regarding the outdoor location requirement for the main switch or alternative shunt trip should be directed to the Building Official. Questions related to metering equipment or practice should be directed to the Metering Technician.



METERING TRANSFORMER CABINET

For secondary services of 1200 amps and below, you must provide a securely mounted UL approved rainproof (rating 3R) metering transformer cabinet. The minimum allowable depth is 11 inches. You must select a cabinet that is suitable for the size and number of the service conductors that will pass through it. The metering transformer cabinet must have sealing provisions and be effectively grounded. Secondary services above 1200 amps require window type current transformers. You must consult with the Metering Technician regarding the metering point for these services.

CURRENT TRANSFORMERS

The Electric Department will provide bus bar type current transformers for services that are rated for 1200 amps and below. Most manufacturers of metering transformer cabinets offer optional mounting bases for bus bar type current transformers. The current transformers must be mounted securely with the high side polarity markings facing the incoming conductors. Window type current transformers will be provided for services above 1200 amps. The mounting configuration of window type current transformers will be determined by the Metering Technician and requires early consultation on your part.

METER BASE

You must provide a UL approved outdoor rated combination meter base and test switch compartment. Please contact the Metering Technician if you need assistance in selecting the proper meter base for the type of service that will be supplied. The meter base must be mounted securely and plumb at a height of between 60" and 78" and must be effectively grounded.

METER WIRING

The Electric Department will supply the meter wiring, a test switch, and a kilowatt-hour meter. The Metering Technician will connect the meter wiring prior to the energizing of the service. The Metering Technician should be notified when the current transformers have been installed in order to schedule the wiring job in advance. The Electric Department is not responsible for any delays due to a lack of adequate advance notification on your part.