



Customer Requirements Clearances to Electrical Facilities Adjacent to Buildings/Structures

January 4, 2023

C-OH-9020

Application

This standard lists the required clearances to buildings/structures near electrical power circuits/equipment owned and operated by Tacoma Power based on the Worker Safety Rules in WAC (Washington Administrative Code) 296-24-960 and WAC 296-155-428.

These clearances and requirements shall be applied to the permitting and design of buildings/structures in order for the buildings/structures to be safely constructed and maintained over time.

Clearance Requirements to Buildings/Structures

The following table lists the **required** clearances for a building/structure to electrical power circuits/equipment owned and operated by Tacoma Power.

Voltage of Electric Facilities	Horizontal Clearance Requirements	Vertical Clearance Requirements
750 Volts to 50 kV	14 ft.	Buildings shall not be constructed under Tacoma Power electrical circuits
115 kV	15 ft.	
230 kV	17 ft.	

If these clearances cannot be met, the customer must work with Tacoma Power to permanently underground the overhead lines at the customer's expense. Please contact New Services Engineering at 253-502-8436 with any questions, clarifications and estimates.

Relocation or modification of overhead facilities will not be made to accommodate safety clearances to buildings/structures as established in this standard.



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Employer Responsible for Worker Safety

The employers/supervisors of Unqualified Electrical Workers on a building/structure for construction or maintenance is responsible to ensure that the worker safety rules of WAC 296-24-960 and 296-155-428 are met. An **Unqualified Electrical Worker** is an individual that does not have the training and experience to work near electrical facilities as defined in WAC 296-45 and WAC 296-32.

Tacoma Power takes no responsibility for the safety of workers that are not employed by or under the direction of Tacoma Power.

The Washington State Department of Labor & Industries is the final authority concerning the application of worker safety rules.

Crane Safety

Safety rules related to crane operation near power lines are found within WAC 296-155-53408.

Before crane operations begin near any Tacoma Power electric power lines/equipment, the person responsible for the job is required to contact Tacoma Power Line Desk at 253-502-8232.
