

Energy Transmission Systems (WAC 463-42-155)

WAC 463-42-155 PROPOSAL — ENERGY TRANSMISSION SYSTEMS.

The applicant shall discuss the criteria utilized as well as describe the routing, the conceptual design, and the construction schedule for all facilities identified in RCW 80.50.020 (6) and (7) which are proposed to be constructed.

[Statutory Authority: RCW 80.50.040(1). 83-01-128 (Order 82-6), §463-42-155, filed 12/22/82.

Statutory Authority: RCW 80.50.040(1) and chapter 80.50 RCW. 81-21-006 (Order 81-5), §463-42-155, filed 10/8/81. Formerly WAC 463-42-240.]

2.4 ENERGY TRANSMISSION SYSTEMS (WAC 463-42-155)

2.4.1 INTRODUCTION

The Phase II project will be fueled by natural gas that is supplied by the natural gas pipeline being constructed as part of Phase I, and thus not subject to this section. Also as part of Phase I, there will be new electrical transmission lines extending approximately 4,000 feet east of the plant site to the Bonneville Power Administration (BPA) Satsop substation.

2.4.1.1 Phase I Power Line Construction

BPA has an existing transmission line right-of-way, south of and directly adjacent to the plant site and extending in an east-west direction. There are currently two 230-kilovolt (kV) transmission lines, both located on the same double-circuit structure. There is a separate 115-kV transmission line located on its own set of poles.

As part of construction for Phase I, the 115-kV line and its poles are being removed, and a new set of double-circuit structures are being installed. Three new transmission lines will be installed. Two of these lines will be 230-kV transmission lines. As shown on Figure 2.4-1, one line will be used to connect Phase I to the Satsop substation, and the other will remain idle until Phase II comes on line. The remaining line will be a 115-kV transmission line to replace the existing line.

The lines will be owned and operated by BPA.

2.4.1.2 Phase II Power Transmission

Power produced by Phase II project will connect to the BPA system via the transmission lines constructed as part of Phase I.

The Certificate Holder will coordinate with BPA to ensure that one of the new transmission lines constructed during Phase I is available to be tied in to the BPA substation when Phase II is ready for startup.

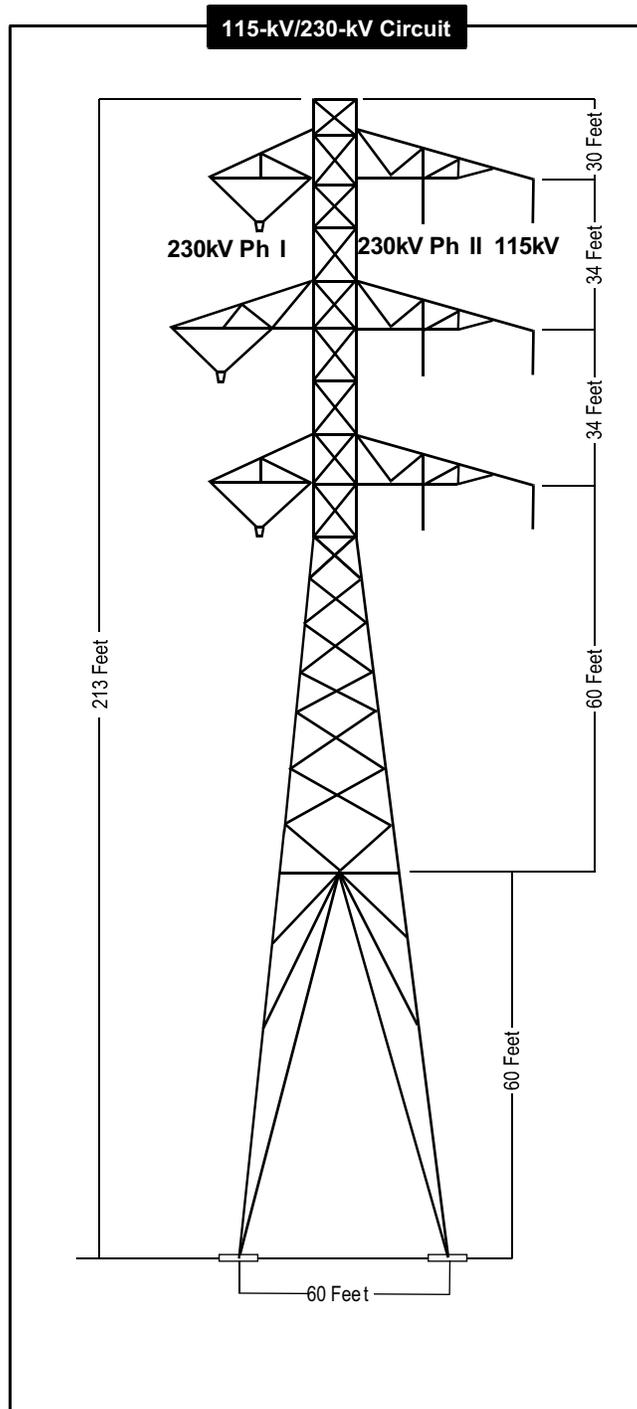


Figure 2.4-1
BPA's Phase I Transmission Tower Design