



Alberta Electric System Operator

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aeso.ca

Stage 0/1/2 PDUP Supplement

Date: February 4, 2026

Version: V2

Classification: Public

Applicability

A Stage 0 PDUP is required only for projects in the Cluster Assessment Process.

Purpose

The purpose of Stage 0 PDUP is to ensure that the AESO has the sufficient model information for the market participant's proposed facility before the project moves into the necessary studies in Stages 1 and 2.

Process

The market participant must submit the Stage 0 PDUP as an attachment to the SASR application. A Stage 0 PDUP is required to be submitted to the AESO for review and acceptance in order to complete Stage 0. For more information about submitting a SASR to the AESO, see the SASR Guide.

As part of the Cluster Assessment Process, the Stage 1 and Stage 2 PDUPs will be created by the AESO. If the market participant is submitting a Project Change Proposal near the end of Stage 1 that results in a material change to the generation model (e.g. capacity change, equipment changes such as wind turbine generator size change, inverter size revision for solar plant, addition of BESS in a wind or solar facility, or technology change), then an updated generation model (i.e. updated Stage 0 PDUP as outlined below) must be submitted as an attachment to the Project Change Proposal for review and use by the AESO in the Stage 1 and Stage 2 PDUP models.

PDUP Content

The quality and accuracy of the Stage 0 PDUP represents a typical or estimated level of technical data of the market participant's facility. Where market participant equipment is not yet ordered, the market participant estimates data representing their project to a level of accuracy matching the project info in the SASR and adequate for the preliminary assessment study in Stage 1. The technical data contained in the Stage 0 PDUP for all power system equipment associated with the project is provided by the market participant as generic, typical, or "best guess".

The Stage 0 PDUP consists of:

Item	Format
SLD(s) for connection study <ul style="list-style-type: none"> For BTF Projects: Before and After Project SLDs For Connection Projects: Project SLD of the Market Participant's facility 	PowerPoint, Word, or Visio
PSS/E Input Data Files <ul style="list-style-type: none"> Power Flow RAW Data File Sequence Data File Dynamic Data File 	<ul style="list-style-type: none"> .idev .idev .dyr
PSS/E Dynamic Performance Results (from AESO MPTB) <ul style="list-style-type: none"> Associated test cases, logs, and related files may be requested 	.pdf

Item	Format
Combined file with the above items	PDF with engineer authentication (stamp). <i>See the PDUP-IM for more information about authentication.</i>

Note, this supplement is an addendum to the PDUP-IM and the information in this supplement will be incorporated into the PDUP-IM at a later date.