

# PACIFICORP ENGINEERED CAPITAL PROJECT ESTIMATE CLASSIFICATION

	<b>Estimate Type</b>	<b>Information Available</b>	<b>Intended Use of Estimates</b>	<b>Expected Accuracy*</b>
<b>BLOCK</b>	<b>Un-Scoped</b>	The scope for the project has not been determined. Typical identification could be “a new 138-12.5 kV, 30 MVA Sub in Utah” or “a new 138 kV line from substation A to substation B” prior to determining a proposed route, or design criteria.	Conceptual or high level project feasibility study or alternative analysis.	<b>± 50%</b>
	<b>Preliminary Scope</b>	A scope of the project has been identified by the requestor, stating a preferred location, electrical one-line diagram, voltage size, major equipment requirements, anticipated line lengths and desired design criteria.	Alternative analysis and budget approval.	<b>± 30%</b>
<b>VERIFICATION OR DETAILED</b>	<b>Full Scope</b>	The project team responsible for building the project has met and determined all the major components required for construction. Project site visit has occurred, line routes are known, preliminary sketches of the substation layouts are available, but detailed design has not been started.	Project approval or confirmation a project can be built for the approved budget. Documentation of major components required for construction for support of project management, construction, and property accounting.	<b>± 20%</b>
	<b>50% Design Complete</b>	Information listed above, plus design has been started with site conditions identified and preliminary plan and elevation drawings available. All design disciplines have produced enough work to accurately identify approximate quantities of work to be performed. Remaining risks to the project are potential design changes and contractor pricing.	Confirmation the project can be built for the approved budget and quantifiable documentation of specific components required for construction for support of project management, construction, and property accounting. Internal parallel estimate to check contractor pricing prior to having bid results.	<b>± 10%</b>
	<b>100% Design Complete w/ Bids</b>	Information stated above, plus the project has gone out for bid and contractor pricing is known. Remaining risks to the project are field initiated changes to project scope and legitimate contractor change orders.	Project control to verify project can be built for approved budget after bid results are known. Project management tool for documenting Project Change Notices (PCNs). Tool for support of project management, construction, and property accounting.	<b>± 5%</b>
<b>A.T.F.</b>	<b>After –The – Fact (A.T.F.)</b>	The project is already in-service and complete. All costs have been collected in S.A.P. and the project is closed. The only risk remaining is if the project is reopened to incur previously unidentified costs.	Tool for proper accounting of projects built in emergencies or prior to formal estimate creation.	<b>± 0%</b>

\* Expected Accuracy is the likely range of accuracy achievable with the information available. However, the estimated cost target for all estimate types is for no variance in the actual cost versus estimated cost.