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Addendum No. 5

Verdi Hydroelectrical Plant Electrical Upgrade

PWP Bid No. WA-2014-296
August 19, 2014

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. The bid date and time and construction schedule has changed

QUESTION AND RESPONSE

Question No. 1: Addendum#2 gave the location for the studies as 1.01 part D of division 01, no Technical information as to the content of the Relay Coordination Study is listed for scope of work section 1.02 D 1."Relay coordination study and programming of protective relays"

Response to Question No. 1: The relay coordination study shall be prepared to model the system by the registered electrical engineer in the State of Nevada. The study shall be prepared using commercial software that will determine short-circuit currents for faults anywhere in the powerhouse electrical system up to the interconnection to the utility line. The fault currents shall be plotted on the one line diagram. Based the results prepare the protective relay settings, including the time/current curves and relay settings selected for protective relays that will operate in sequence with other devices to isolate a fault with minimum of disturbance to the unfaulted portion of the system. The result of the study will be reviewed by the interconnecting utility for coordination with their relay settings to ensure proper coordination is achieved."