

***Western LA Basin Black Start Service Request For Proposal Questions Log
Question / Answer Matrix***

No.	Comment Submitted	ISO Response	Date Q&A posted:
1	<p>In the document “WesternLosAngelesBasinBlackStartResourceCommercialWorksheetQuestionnaire.doc”, the following question is posed:</p> <p>“Can the facility provide alternative protective relay settings or other accommodations to meet the fault impedance requirements during islanded operations”?</p> <ul style="list-style-type: none"> • What “alternative protective relay settings” does CAISO seek, please be specific? • What specifically are the “fault impedance requirements during islanded operations” (Is CAISO seeking high impedance or low impedance and what is the ideal value)? 	<p>The alternative protective relay settings would be installed as either a second setting group in the existing Black Start Facilities protective relays or alternatively as a second set of protective relays that would only be enabled during a black start event.</p> <p>Since it is assumed that the original settings are based on identifying and clearing faults with the complete electrical system in service these alternative settings would be with the Black Start facility being operated as the only source on the system. The alternative settings would need to be able to detect and clear a fault during this event.</p> <p>The fault impedance requirements are determined by the system relaying and the ability of the protective relays to differentiate between a normal load current and fault current. The Black Start generator must be able to provide enough fault current to allow this relaying to operate in the event of a fault.</p>	May 10, 2022
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