

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

No.	Comment Submitted	ISO Response	Date Q&A posted:
1	Can you provide any information about the size or amount of blackstart capability you are seeking in the LA Basin Area?	The LA Basin Black Start Technical Specification requirements do not specify a minimum size generator or source size. Larger resources will have more voltage regulation capability and inertia which will be considered during the evaluation process. The number of Black Start Service contracts awarded will dependent upon, among other things, the resource location and technical capabilities.	May 24, 2021
2	Would a Battery Energy Storage System qualify for the blackstart resource? If it does, is there a specific duration and specs that it should meet to qualify?	The ISO will consider any resource that can meet the LA Basin Black Start Technical Specification requirements. The specifications can be found on the ISO website under the Miscellaneous Stakeholder initiatives or at the link : http://www.caiso.com/informed/Pages/MeetingsEvents/MiscellaneousStakeholderMeetings/Default.aspx	May 25, 2021
3	Would a new underground HVDC line into the LA Basin, with a new 220 kV connection to a designated substation, be considered an eligible resource for this RFP?	An HVDC line on its own can contribute to system restoration but does not meet the requirements to provide black start service. For a resource to be considered it must satisfy the NERC definition of Blackstart Resource; “A generating unit(s) and its associated set of equipment which has the ability to be started without support from the System or is designed to remain energized without connection to the remainder of the System, with the ability to energize a bus, meeting the Transmission Operator’s restoration plan needs for Real and Reactive Power capability, frequency, and voltage control, and that has been included in the Transmission Operator’s restoration plan.”	May 29, 2021

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4	Assuming #1 is yes, can the fuel type be diversified (e.g. geothermal, solar PV, wind & hydro) or does it have to be one type of fuel for the generators on the other side of the HVDC line?	Any designated generator if it can meet the LA Basin Black Start Technical Specification and the NERC definition can serve as a Blackstart resource.	May 29, 2021
5.	Does CAISO have a preference for which substations it would most prefer?	The ISO will consider all substations within the LA Basin as defined in the ISO 2021 Local Capacity Requirements – LA Basin. In evaluating proposals, the ISO will consider many different factors as noted in the ISO’s presentation located on the ISO website under the Miscellaneous Stakeholder Processes. http://www.caiso.com/informed/Pages/MeetingsEvents/MiscellaneousStakeholderMeetings/Default.aspx	May 29, 2021
6.	Can you provide any guidance on what a competitive price ranges would be, or provide historical pricing for similar services that we could use as a guide?	No. Costs to provide Black Start Service reflect cost of service rates and are based on capital expenditures and estimated O&M costs to meet the technical requirements identified in the LA Basin Black Start Technical Specification.	May 29, 2021
7.	Please provide clarification on the following terms that are not included in the NERC glossary referenced; Operational Deadbands Configuration Limitations	Operational Deadbands and facility Configuration Limitations are operating constraints not identified by facility capability curves or compliance reports.	July 13, 2021

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