



## Southern California Public Power Authority

### Questions and Answers related to the Request for Proposals for Compressed Air Energy Storage

11/9/17

1. If Respondent proposes a location other than those identified by the RFP, would SCPPA consider locations not near the eastern terminus of the HVDC line?

**Response:** We are open to other locations however these locations will need to be approved by SCPPA members. The locations will be contingent upon system impact study and additional transmission costs should not be incurred upon SCPPA members.

2. Would a CAES plant Point of Interconnection (POI) on any of the high voltage AC lines emanating at the IPP facility be acceptable under this RFP?

**Response:** A bidder can submit a proposal for a CAES system but will be dependent on system impact study.

3. Would a CAES plant POI at the station at the remote terminal of these lines be acceptable, provided it is at the same voltage as the transmission line to the IPP?

**Response:** A bidder can submit a proposal for a CAES system but the location will be dependent on system impact study.

4. For such interconnections as described above, if acceptable, please confirm that the POD for energy to/from the CAES facility would be at the CAES plant POI and that SCPPA would be responsible for transmission and scheduling of such energy to/from the CAES facility.

**Response:** The POD should be the IPP Switchyard.

5. Will SCPPA accept a bid from any of the following areas/substations:
  - LADWP's Barren Ridge Substation or the proposed LADWP substation to be built by LADWP near Rosamond CA?
  - CAISO SP15 - The Tehachapi Area (for example Whirlwind, Windhub or Antelope Subs)?
  - CAISO SP15 - The High Desert Area (for example Lugo or Victor Subs)?

**Response:** A bidder can propose a CAES system in these areas if they desire. This is contingent on the system impact study and additional transmission costs should not be incurred upon SCPA members.

6. Please prioritize any of the above POIs that would be acceptable for bidding from highest to lowest level of interest.

**Response:** First Priority – LADWP’s Barren Ridge/Rosamond Substations  
Second Priority – High Desert Area  
Third Priority – Tehachapi Area

7. The inclusion of a request for information on the impacts of the Investment Tax Credit (ITC) on bid prices implies that SCPA is looking for developers to pair CAES with their own, new renewable project. Was this your intent? Adding this component into our proposal will require substantial new analysis within the short response window.

**Response:** Our intent is to make the option of developing a renewables project to be paired with ITC available to bidders. It is not required.

8. The RFP states that SCPA is interested in projects with 100 MW generation capacity or greater. However, CAES technology is built with a drive train of a specific size. The minimum size of a CAES facility (with one drive train) would be 160 MW generation capacity. Two trains would be 320 MW generation capacity. There are no incremental options between those two sizes and a bid for a 320 MW project would look quite different from a bid of 160 MW. Could you provide more specific direction about the size project SCPA is interested in?

**Response:** Our only size requirement is a system which is greater than 100 MW. If a bidder wishes to propose multiple options in size, please state those options in the proposal.

9. Is SCPA targeting a storage project with a specific duration (hours at rated output) or capacity (storage equivalent MWh)? If so, what is the target?

**Response:** We are targeting a system which has duration of at least 4 hours. Systems with greater than 4 hour duration are more than welcome.

10. What is the desired in-service date for the project?

**Response:** Before 2025.

11. With the holiday (s), is it possible to get an extension?

**Response:** 4 week extension granted. RFP has been updated to reflect this change.

12. What is the cavern's characteristics (volume, min and max pressure during the charge and discharge, etc.).

**Response:** We're relying on the bidders to tell us this in their proposal.