

#24-001
San Diego Community Power (SDCP)
Energy Trading Risk Management (ETRM)
Request for Proposals (RFP) Revised Responses to Proposer Questions

1. Can SDCP provide more detailed technical requirements regarding the requested ETRM Solution?

Response: In SDCP's ETRM RFP Announcement (Section V.B), SDCP is requesting Technical and Cybersecurity Requirements from proposers to better understand the capabilities of each Proposer's ETRM solution. SDCP does not have specific requirements to share at this stage and will evaluate all submissions based on their responsiveness to Attachment B Technical and Cybersecurity Requirements.

2. Is experience with CCA's or CAISO required? We have some experience in other markets with PPA's and the like but none with a 'full trading book' in the USA.

Response: SDCP welcomes Proposals from any Proposer that does not have experience working with CCA's or CAISO. Proposers should identify in their Proposal response what markets they have experience in, specifically in the General Qualifications and Key Personnel section and the Experience section of their Proposal. That being said, proposals with experience working in CAISO and/or with CCAs will score better on the relevant experience and qualification criterion.

3. Is the 3-month Proof-of-Concept period negotiable in terms of proposers being compensated for the period?

Response: SDCP's ETRM RFP (Section V.B) states, "SDCP expects the services and access provided during the Pilot Proof-of-Concept period to be complementary." However, if the proposer believes that SDCP should incur costs during the Pilot Proof-of-Concept period, then they should state so in their Proposal response, specifically in the Proposed Budget and the Proposer's Proof of Concept Pilot Plan.

4. Is it worth submitting a proposal if we are not able to cover any of the optional secondary scope items? We have an open architecture that allows for integration and data sharing but no optimization or forecasting.

Response: Yes, SDCP will consider Proposals that include just the Main Scope of Contemplated Services. SDCP's ETRM RFP Attachment A notes that the Secondary Scope is optional if Proposer has responsive software offerings. SDCP will also consider Proposals that only offer the Secondary Optional Scope of Services or a subset of the Main Scope. However, proposals that cover more of the Scope in Attachment A will score better.

5. Can you please elaborate more on project valuation requirements at the nodal level? How many nodes?

Response: SDCP would expect project valuation at the nodal level to include all assigned and proxy nodes in CAISO, at a minimum.

6. How many transactional (concurrent) users and read-only users will require access to the system? Can you provide a functional break down of the users? For example, there are 25 users in total, how does that break down by functional group - 10 traders, 5 accountants, 5 Risk, etc.

Response: SDCP expects the following users for the first year of implementation (2025):

- Total: 11-20
 - Traders: 3-4
 - Contract Managers: 3-5
 - Settlements: 1-2
 - Risk: 1-2
 - Finance: 1-3
 - Admin: 1-2
 - IT: 1-2

7. What is the total portfolio size you are expecting to optimize? What type of assets and contracts are you looking to optimize in ETRM system?

Response: SDCP currently has almost one million active service accounts and serves a load of approximately 8,400 gigawatt hours (“GWh”) per year. The type of contracts and assets include, but are not limited to, Power Purchase Agreements, Energy Storage Service Agreements, Resource Adequacy Agreements, Renewable Portfolio Standard Attribute Agreements, and hedging contracts under an Edison Electric Institute or WSPP master agreement including Inter-SC Trades and TB4s.

8. What type of trades do you execute – Physical or Financial Transactions? Do you have any PPA or structured transactions? What is the typical trade volume?

Response: The type of contracts and assets include, but are not limited to, Power Purchase Agreements, Energy Storage Service Agreements, Resource Adequacy Agreements, Renewable Portfolio Standard Attribute Agreements, and hedging contracts under an Edison Electric Institute or WSPP master agreement including Inter-SC Trades and TB4s.

9. Do you currently (or plan to) trade environmental products such as carbon credit or REC?

Response: Yes, SDCP currently procures RECs via short-term and long-term contracts.

10. What accounting system do you plan to integrate ETRM system with?

Response: The accounting system that would be used by SDCP in 2025 moving forward is still to be determined. If the offering has limitations as to which accounting systems it can integrate with please note that in your proposal.

11. What type of risk metrics do you currently use? Do you expect ETRM system to calculate risk measures & analytics (VaR, GMar, CFaR, EaR, PFE)?

Response: Currently, SDCP uses a range of risk metrics such as Value at Risk (VaR) and Gross Margin at Risk (GMar) to assess its exposure. However, SDCP is interested in leveraging the capabilities of an ETRM system to enhance the risk calculations and streamline risk reporting.

12. What price subscriptions (e.g. ZEMA, Platts) do you currently have?

Response: This information is confidential. SDCP expect the ETRM system to have access to fundamental models and prices curves as well as allow for integration of SDCP's subscriptions.

13. Do you transact directly with CAISO? Do you expect ETRM system to handle market communications and ISO settlement?

Response: Currently, SDCP transacts with CAISO through its scheduling coordinator. SDCP does not require the ETRM system to handle market communications and ISO settlement, but if that functionality is available, please specify in your proposal.

14. Do you transact directly with any exchanges (e.g. Nodal, ICE)? If you do, can you please provide the list?

Response: SDCP currently does not transact directly with exchanges. If the ETRM system being offered has that functionality, please specify in the submission.

15. How many contracts and counterparties do you have? What type of contracts/agreements do you currently manager

Response: SDCP currently has contracts in the thousands with nearly one hundred counterparties. The type of contracts managed include, but are not limited to, Power Purchase Agreements, Energy Storage Service Agreements, Resource Adequacy Agreements, Renewable Portfolio Standard Attribute Agreements, and hedging contracts under an Edison Electric Institute or WSPP master agreement including Inter-SC Trades and TB4s.

16. Can you elaborate further on what is required for the project valuation and impacts on portfolio under the scope of services?

Response: The basic scope of this service is to provide a project level economic analysis, broken down into metrics such as net present value, MW or MWh normalized net present value, etc. In addition, the scope would include taking that project valuation and determining how it impacts SDCP's current portfolio in terms of risk metrics including but not limited to VaR, GMar, CFaR, EaR, PFE.

17. Could you specify the time range for load forecasting you require (e.g., short-term, medium-term, long-term)?

Response: SDCP would be looking at month ahead, year ahead, and long-term load forecasting models.

18. Are there specific benchmarks you expect from the load forecasting module?

Response: Yes, if short-listed for load forecasting SCCP would benchmark performance against Mean Absolute Percentage Error (MAPE) from its current forecasts.

19. How do you envision the load forecasting interacting with other ETRM components?

Response: The load forecast would be integrated into the ETRM to forecast open positions and impacts of contracts on risk metrics including but not limited to VaR, GMar, CFaR, EaR, PFE. Additionally, the load forecast would be used to forecast compliance obligations and SDCP's proforma financials.

20. What are the objectives for battery optimization and dispatch?

Response: To gain insights in battery asset operations to better plan and optimize their operations between charging, discharging, ancillary services and resource adequacy. Ultimately, to optimize the economics of the battery asset.

21. Are there specific regulatory compliance requirements for contract management?

Response: No.

22. How do you envision the contract management module interacting with other ETRM components?

Response: Contracts entered into the ETRM system that are long-term in nature (e.g., PPA, ESSA, etc.) would have integrations to other ETRM components to track the contract from redlines to signature to pre-COD obligations to post-COD performance.

23. Can SDCP estimate the amount of data they expect to ingest and consume on a daily or monthly basis? For example, is it in the range of 100-200GB per day or per month?

Response: SDCP is not able to estimate this range at this time.

24. Does SDCP prefer to grant our ETRM system access to their data lake, data warehouse, or database for enhanced compliance and security, or should we ingest SDCP's data into our own storage systems and provide access to SDCP's team?

Response: SDCP would allow access based on needs and use case. Any data generated by our business transactions will be required to be ingested into SDCP's data platform. Access to data or connection to SDCP's platform will be reviewed and approved by SDCP governance policies.

25. Is there a budget limit or cap set by SDCP for system and data security needs if we are responsible for data ingestion?

Response: SDCP will take the ownership of ingestion

26. Can SDCP provide the CAISO Network Operations Model and details of SDCP's service territory distribution system configuration for load forecasting purposes? If available, could you specify the file formats of the model and the power system simulation software used to produce it?

Response: No, but there are several documents and BPMs detailing how the market operates on CAISO's website.

27. Will SDCP supply the necessary battery system characteristics (metadata) for the battery optimization scope?

Response: Yes, the operating characteristics of any battery system being optimized would be provided by SDCP and/or its scheduling coordinator.

28. Are there specific payment processors that SDCP prefers for the settlements' AP/AR integration?

Response: No.

29. What enhancements would SDCP consider valuable for their settlement AP/AR processes, or would they be open to exploring other potential value additions that are not widely promoted?

Response: SDCP is open to exploring other potential value additions. Please outline and explain any such additions in your submission.

30. Please provide more information on the types of batteries that require optimization and dispatch i.e. standalone CAISO, collocated, resource C&I behind-the-meter, residential, Vehicle-to-Grid (V2G).

Response: At this time, the scope of batteries to be optimized would include standalone storage (within CAISO or importing/exporting from CAISO) and collocated storage.

31. Can you provide a listing of the storage sites (MW & MWh rating) including historical and future CODs from question 1, that will require battery optimization and dispatch services?

Response: SDCP's long-term contracts are posted with the board packets when such contracts are taken to SDCP's board of directors for approval. To date, SDCP has contracted 328 MW of stand-alone storage (18 MW 2-hour, 250 MW 4-hour, and 60 MW 80-hour). For projects not online already, the expected CODs range from 2026-2027. Additionally, SDCP has contracted for 818 MW of 4-hour battery capacity from paired resources (e.g. with a renewable asset) with expected CODs ranging from 2024-2027.

32. Does SDCP have any battery optimization and dispatch software solution deployed today? Are there any specific battery OEMs which these software solutions should consider, e.g behind-the-meter battery APIs?

Response: SDCP's scheduling coordinator utilizes a battery optimization and dispatch software on SDCP's behalf. No specific OEM's need to be considered, but if the solutions offered have limitations please outline such limitations in your submission.

33. The RFP submittal portal asks for one (1) PDF file to be uploaded. Other than the RFP itself, there are two (2) other documents that you request: a. markups of SDCP's services agreement, and b. Proposer's services agreement template. Where can we upload the 2 additional documents?

Response: Section V.B (Content and Format of Proposal) of the RFP states that "Proposers should submit their PDF as a single PDF and include the following items in the order listed as a PDF." The single PDF file would include all files that are requested documents.