

Proposer Questions and SVCE Responses related to
RFP for Data Analytics Support

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Background information: With this RFP, SVCE seeks to build a bench of vendors who can perform a variety of data analytics services to support a wide portfolio of projects, many of which SVCE has not yet scoped out.

This RFP is for a Master Services Agreement (MSA) with one or multiple vendors for data analytics support services. As such, SVCE is looking for information on the vendor's experience performing relevant analyses and handling the type of data we have. We also want to know how the vendor's team is organized and the kind/breadth of resources they can tap into. We are providing example project topics and tasks to get you thinking about what kind of work we might want to do, but we are not asking you to scope out each of these example projects – other than the one load disaggregation example detailed in Section 16 of the RFP. If load disaggregation is not part of the services you would offer, then please complete the example for one of the other Topic Areas listed in Section 16 of the RFP.

Over the term of the MSA, SVCE will work with the consultant to establish a scope of work (“Task Order”) for each project before it is launched. These Task Orders will use the menu of services, staff, rates and acceptance of terms as agreed upon in the MSA. Data analytics services will vary widely across analyses and in terms of the level of detail and support needed.

The following questions were submitted by prospective proposers to SVCE before the questions deadline of 5 p.m. on August 4. All questions received are shown below along with SVCE staff’s responses.

#	Question	Response
1	It is not clear from the solicitation whether universities and entities outside of California are allowed to bid. Would you be able to clarify, please?	Yes, universities and entities outside of California are eligible to submit a proposal.
2	We are interested in responding to the RFP for Data Analytics Support, released July 5. Do we need to be added to the list of RFP responders?	We do not require a list of RFP responders.
3	Will SVCE consider a SaaS platform provider without consulting services? Can a vendor bid on part of the Data Analytics support RFP?	Yes, we will consider a SaaS platform provider without consulting services. A vendor can a bid on part of the RFP scope; please specify which Topic Areas and Tasks your solution addresses.

4	<p>EV detection from consumption data: SVCE already has some knowledge of non-ICE vehicles registered in SVCE's territory, and also has a relationship with EV.Energy. How does EV detection from consumption data complement existing data sources to achieve SVCE goals? Is the goal to get more timely data?</p>	<p>Example uses of EV detection include: to validate existing data sources, to supplement existing data sources, and to obtain more timely EV data.</p>
5	<p>Distribution system neighborhood capacity availability: Can SVCE expand on the types of public datasets available? Does this include the distribution network topology map (connectivity between meters, transformers, reclosers, and upline feeders, possible switching states) that would indicate constrained capacity? And what is PG&E's willingness to share such data?</p>	<p>We would look to the vendor to advise on what datasets can be accessed to inform the analysis that they are supporting. To clarify, the distribution system analysis was an example of analyses we might pursue. We would work with the vendor to scope out a Task Order after the MSA is signed, which would answer these questions. We do not expect the proposer to provide responses to these questions in their submittal.</p>
6	<p>Load forecasting: What is the granularity and forecast horizon desired? The horizon could be "nowcasting" (estimating a subset of meters or the entire system load to bring data up to today)? Or months / seasons ahead? The granularity could be 15 minutely (for nowcasting), or weekly peaks (seasons ahead)? At what aggregation point (if any) is SVCE interested in this data, individual meters, transformer, substation, across all customers? If at a point between individual meters and the system as a whole, what data would be used to aggregate downline data?</p>	<p>Medium- and long-term forecasting. Aggregation at the meter-level, customer class-level, or in aggregate.</p>
7	<p>Greenhouse gas emissions analysis: What is the data granularity (i.e. annual, hourly) and frequency of updates to this analysis (if any) desired? Is there a specific reporting requirement that this analysis will support, and if so, what? Are there specific external datasets for emissions intensity required/already determined? What is the general horizon of future scenario forecasts? Is this only for electricity procured/delivered through SVCE, or other sources as well (if so, what are those sources of emissions that would need to be accounted for)? How does SVCE treat RECs in GHG accounting? Is there a particular protocol to be followed?</p>	<p>Granularity could be hourly or annual. Scope includes the electricity, gas, and transportation sectors. SVCE's current GHG inventory follows the U.S. Community Protocol for Accounting and Reporting Greenhouse Gas Emissions.</p>

8	Generally: what is SVCE's preferred format and method for receiving data? At what frequency is it expected to be updated (i.e. on an ongoing basis, quarterly, etc.), or is this meant to be a one time effort? If data is needed on an ongoing basis, may we propose a recurring subscription rather than a time & materials based pricing?	Data format and analysis frequency will depend on the project. SVCE will consider other pricing structures; please include all relevant details in your submission.
9	During the pre-proposal call today, SVCE mentioned 5-minute data. Please confirm that you have 5-min interval data for all of your AMI meters. PG&E defaults are 15-min for commercial and 60-min for residential, but we know that meters can be re-programmed for other intervals as necessary.	AMI data is 15-min and 60-min. SVCE has 5-min physical asset data.
10	Please confirm that the data has variables to correctly identify individual locations. Customer names are not necessary, but geographical locations are.	Yes.
11	If you do not have universal 5-minute data, please describe the characteristics of the interval data that is available to SVCE and its consultants, and for how many residential and commercial meters.	Customer-level AMI data, typically 15-min for non-residential and 60-min for residential. Approximately 27K non-residential meters and 250K residential meters.
12	What kind of data do you have available? Would like to get a sense of the level of granularity and breadth of the data, examples of data you might be missing that the vendor would need to seek out in the market.	Customer attribute data, AMI (15- and 60-min interval data), monthly and daily customer-level gas consumption, vehicle registration data, tax assessor data, interconnection data, physical asset data. For new or missing datasets, SVCE expects this to be part of the discussion with the vendor when setting up a specific Task Order.
13	What is the architecture of SVCE's data warehouse?	BigQuery data warehouse in Google Cloud Platform.
14	Does SVCE have any preference for what platforms the solutions are brought to SVCE in?	SVCE would like the output data to be able to be integrated into BigQuery.
15	Can you expand on the rate design topic?	This is not intended to be an organization-wide retooling of all of our rates. This is more of a strategic analysis to help SVCE understand specific rates, e.g. the E-ELEC rate, impact of electrification, real-time pricing.
16	The narrative section of the RFP skips from Section 4 to Section 6. Would like to confirm that there was not a Section 5 that was omitted.	The RFP does contain a Section 5 (Proposal Submittal).
17	On the confidential information section, there is a segment on handling credit card information. Does SVCE anticipate that the consultant will be handling credit card information?	No.

18	Does SVCE anticipate working with academics? Has SVCE worked with academics before?	SVCE is open to working with academic institutions for the services described in this RFP. SVCE has previously worked with academic institutions, mainly through our Innovation Onramp program.
19	SVCE mentioned potentially considering awarding the scope of work to several vendors. Will SVCE consider a software company that has tools that SVCE can use to run the analyses?	SVCE will consider a software solution as long as it fits within the structure of the MSA. If the proposed price structure differs from that which is outlined in the RFP, please note that in your proposal and provide additional details for SVCE to consider.
20	What are your expectations regarding the location of the teams? Are you open to hybrid teams?	Yes, SVCE is open to working with hybrid teams.
21	Is it a go/no-go requirement to have experience in the state of California or in SVCE territory?	This is not a go/no-go requirement, but it is something we are looking at for some of the work we have in mind.
22	Do you require all onshore resources, or are you open to onshore, offshore, and nearshore resources?	SVCE is open to reviewing submittals from anyone who is interested in responding.
23	Technical question about SVCE's RFP for Design, Implementation, and Portfolio Management Support for Decarbonization Programs	We don't yet know what we will get out of the other RFP, so decisions on how everything needs to work together is not yet clear. What we're looking for in this RFP is analyzing data and evaluation, not support on the data engineering piece for the other RFP.
24	Can you approximate how many users there will be for licensing purposes?	If you are proposing a software solution, please include in your price proposal what that would look like based on the number of users.
25	Is there are component set aside for minority and small business enterprises?	Please refer to Section 6 of the RFP for more detail on our review and selection process.
26	How does a company based in the US become competitive when they have staff offshore? Any requirements for dealing with customer and PII data?	SVCE does have cyber requirements for all vendors that deal with customer data. Refer to Exhibit E in the RFP for the standard contract terms. Selected vendor will work with SVCE team on additional requirements during contract review.
27	Does SVCE have all of its data on Google Cloud Platform?	The majority of the datasets we plan to work with are in BigQuery, but we also use GCS and box for file storage.
28	Is there any tool preference for data visualization?	SVCE's current suite of tools include Looker Studio, PowerBI, Excel, R, and Tableau, but we are also open to using other tools recommended by the vendor.
29	Please clarify what you are looking for in the budget section. Are you looking for detailed budgets on each Topic Area, or an example budget of one of the Topic Areas?	SVCE is looking for information on the roles, rates, and skills of staff who would be working on the Topic Areas. Once the MSA is signed, we would use those roles and rates to create specific Task Orders.

30	For someone who does not have specific experience in the clean energy sector, can they submit other experience and closely related experience in other industries?	Yes.
31	In the proposal section, there is no description on the template. What font size and font type?	We are looking for something reasonable.
32	Are you expecting an estimation of hours based on the initiatives detailed in the RFP, or are just the rates and roles sufficient?	We are looking for the rates and roles as described in Section 5. In Section 16, we also ask that the proposer estimate the cost that SVCE would face for a "standard" strategic analysis - use as an example the process to scope, design, and set up a tool to perform load disaggregation.
33	Is SVCE open to complete offshore development?	See Question 22.
34	Are insurers based outside of California acceptable?	SVCE would need to review the specific policy.
35	Related to the new FERC regulation, are you using the CAISO tool for DER/electricity data?	Not currently, but SVCE is open to it if relevant to the analyses and recommended by the vendor.
36	What tool do you use for load forecasting?	SVCE uses a SaaS platform and in-house work for medium- and long-term load forecasting.
37	Do you own any generation resources?	Yes.
38	Does the scope include customer experience analytics?	Yes, the scope can include customer experience analytics.
39	Regarding reference contacts, we may not be able to disclose exact reference contact information due to NDA. Will that be an issue?	Typically we look for references that we can reach out to, but if some of the most applicable projects are ones that you are unable to provide a contact for, it is still fine to list those examples. It would be helpful to include at least a couple of relevant points of contact that we can reach out to.
40	We do not typically disclose our pricing and costs until the NDA is signed. Is that an issue?	If your submittal makes it to a shortlist of selections, we will engage with you to determine your pricing.
41	Please provide details on problem statements (or) pain points that need to be addressed especially from the business perspective. Please provide more details on the Decarbonization plan/future goals (or) objectives of SVCE for an understanding of the overall RFP scope.	Read SVCE's Decarbonization Roadmap (https://svcleanenergy.org/plans-policies-reports/) and other key documentation to understand the scope of programs and efforts being undertaken by SVCE in this space.
42	Does SVCE have an existing data engineering/architect/analyst team?	Yes.
43	Is there any data engineering requirement related to staffing (FTE) (or) solution based? If so, do you have any specific technology preferences for Data engineering?	Some projects may require data engineering tasks such as data cleaning and ETL. SVCE uses Python and Google Cloud Platform.

44	Please explain the high level current architecture of SVCE and the technology in place.	SVCE uses Google Cloud Platform for its data warehouse and data lake.
45	Could you please list all the current source systems (Data warehouse/Lake) in place with SVCE and the volume of data housed by them? Are the existing systems on-prem or in the cloud?	The majority of data is housed on the cloud through Google Cloud Platform, specifically BigQuery and Google Cloud Storage. Around 130 TB of data within GCS. Around 98.4 TB within BigQuery.
46	What is the current target system and is there any preference planned for the target system?	N/A
47	What kind of data is consumed by SVCE? Is it structured, semi-structured, or unstructured and all of these types?	Primarily structured data, but can include semi-structured and unstructured data.
48	What are the tools currently considered for Data integration? Please specify the ETL tools and other platforms/applications preferred.	Python and SQL within GCP.
49	What is the scope of work involved in Data cleaning? How frequently does this need to be done?	While data cleaning and normalization may be necessary as part of a project or Task Order, the focus of this RFP is data analytics support, not data engineering support.
50	Under the Task 2 deliverables in the RFP, we understand that the bidder would be required to leverage SVCE's data warehouse to conduct analysis, export data, and import data. Post this, where would the data be loaded into?	box or BigQuery, depending on the output data.
51	Is the proposer expected to create a standalone reporting layer/analysis layer and does that involve data migration/transfer and storage?	See Question 110 for information on SVCE's data stack.
52	What is the level of work involved with the CRM data/integration/analysis? List current CRMs.	Analysis performed under this MSA may include various SVCE CRMs as data inputs, but we do not expect more active integration to be required. For example, a Task Order focused on marketing impacts might require pulling data from the relevant CRM, but we would work with the vendor to scope that out.
53	Is all the data maintained by SVCE (or) is there any public data sources to be consumed? If so, please provide example links for reference.	See Question 12.
54	Please provide a few examples on the sensitive customer data that is to be managed with confidentiality. Does SVCE require the solution provider to comply with any data privacy standards and regulations.	Please refer to CPUC Decision 12-08-045.
55	What is the preferred data visualization tool for the dashboard - PowerBI / Tableau? Is Tableau Premium considered mandatory for this RFP?	See Question 28. Tableau Premium is not considered mandatory.

56	Please specify the primary data sources - i.e. Database, Data warehouses/marts, files, cloud, etc. from where the data can be fetched for reporting purposes. Additionally, does SVCE have a centralized data source that is to be connected and managed by the vendor?	BigQuery data warehouse, GCS, box.
57	From the Pre-bid conference, we assume that one of the data sources is the Google Big Query Data Warehouse. Please specify the types of data and the formats stored within the system.	See Question 12.
58	If Data cleaning and normalization of data is required for the warehouse data, please provide details/examples of few possible irregularities in the data format, and the frequency of cleaning to be scheduled for the same before dashboard reports.	See Question 49.
59	What is the approximate volume / number of dashboard reports required?	This is dependent on the project and will be scoped out in the Task Order. See the note at the top of Page 1 for background information on MSAs.
60	Are there any existing dashboard templates / layouts that should be preferred for the report creation?	No.
61	Will there be any license and credentials provided by the agency for the Dashboard tools?	We will work with the vendor to procure the necessary tools.
62	Are the dashboards supposed to be based only on historical data & prediction insights (or) does it involve real time data (if applicable)?	We expect analyses to be focused on historical data and predictive insights. Future analyses are TBD. If there are constraints related to real-time data, please include that in your proposal.
63	Please specify the project/dept. domains for which the dashboards will be developed for?	Primarily Decarbonization Programs and Policy, but may include other departments as well.
64	What are the current data formats used such as CSVs, excels, Jsons, PDFs, etc. and what would be preferable for Dashboard report creation?	See Question 28.
65	What could be the approximate number of end users who will be using the dashboards? Will the users be admins/business users/technical team?	Up to approximately 50 internal users. A small number of those users will be technical. These numbers may grow in the future.
66	If Dashboard reports/strategic analysis reports are required, please specify the frequency with which these reports are to be delivered to the SVCE team? (Monthly/weekly/Annual)	Frequency can range anywhere from daily to annually to one-time, depending on the project and Task Order.
67	What is the preferred output format for delivery should the dashboard be embedded within any platform/environment/website (or) standalone reports?	Could be a standalone report, a dashboard in Looker Studio/Tableau/PowerBI/other platform, or a dashboard embedded in a website. This is dependent on the project and Task Order.

68	Will spatial data be provided by SVCE along with the GIS tool's credentials? Any preference for the tool that is to be used for interactive map creation? (ESRI, ArcGIS, etc.)	See Question 61.
69	What are the scopes that need to be covered in the training session, approx. number of sessions and the overall Duration? Who would be the potential attendees for this training?	This is dependent on the project and will be scoped out in the Task Order. See the note at the top of Page 1 for background information on MSAs.
70	What is the preferred tool for Statistical analysis and model building (Python, R, SAS, etc.)?	We do not have a preferred tool for statistical analysis.
71	What are the primary data sources - i.e. Databases, Data warehouses/marts, files, cloud, etc. from where the data can be fetched for development of ML models?	BigQuery data warehouse.
72	Please provide details on the sample metrics/data attributes that will be used in ML models to generate insights and identify trends. Please give examples of expected insights as well.	This is dependent on the project and will be scoped out in the Task Order. See the note at the top of Page 1 for background information on MSAs.
73	Will the data provided by SVCE contain real time data (or) historical records? What could be the approximate volume of source data?	See Question 62.
74	Please specify the projects/domains for which the ML models will be developed after the individual task orders are released?	This is dependent on the project and will be scoped out in the Task Order. See the note at the top of Page 1 for background information on MSAs.
75	What is the preferred output format for delivery? Should the models be deployed within any platforms? What is the level of integration required?	See Question 14 for data integration information and Question 110 for information on SVCE's data stack.
76	How does SVCE expect the ML model outcomes to be presented? Are the insights supposed to be incorporated into dashboard reports / PPTs, etc.?	This is dependent on the project and will be scoped out in the Task Order. See the note at the top of Page 1 for background information on MSAs.
77	Please provide more details on the Forecasting tool required for Greenhouse gas emission insights. In addition, what kind of Excel tool is expected to be provided for SVCE scopes?	This is dependent on the project and will be scoped out in the Task Order. See the note at the top of Page 1 for background information on MSAs.
78	Under Task 2. From the RFP, the solution provider is expected to leverage a third-party tool to carry out analyses and train staff to become power users of the tool. Please specify more on this.	This is an example task that could be part of a specific project/Task Order. See the note at the top of Page 1 for background information on MSAs.
79	Is it mandatory to have prior experience with CCA based energy projects and should the past project work involve SVCE service territories?	Prior experience with CCAs and SVCE service territory is not mandatory.
80	From a broader perspective, who are all the SVCE stakeholders that the bidder should engage with on a regular basis?	Primarily SVCE staff. Additional stakeholders would need to be identified when setting up a Task Order.

81	Under Miscellaneous Other support: What is the scope of work expectation with the consultant in acquiring third-party datasets? Please provide more details.	This is an example task that could be part of a specific project/Task Order.
82	Are the deliverables expected to be only data analytics services (or) could it be that SVCE is looking for a complete product/platform with ML, Reporting and ETL capabilities?	It could be any of those services or products.
83	Regarding section 11, Insurance Requirements, it is mentioned that all insurance shall be secured from or countersigned by an agent or surety company recognized in good standing and authorized to do business in the State of California. As our company is headquartered in India, we have insurance secured by licensed insurers registered in India. Please let us know if that is acceptable.	See Question 34.
84	Do the data analytics/ reports/ dashboards include data from multiple sources (such as government agencies, energy providers, renewable energy installations, climate databases, and environmental organizations)?	Yes.
85	What is the level of complexity envisaged in terms of data coming from multiple sources for a metric/ KPI? Do you expect intricate calculations to arrive at a metric/KPI?	This is dependent on the project and will be scoped out in the Task Order. See the note at the top of Page 1 for background information on MSAs.
86	Is the data majorly quantitative, do we also intend to integrate qualitative data?	The data contains both quantitative and qualitative data.
87	Does the scope for data analytics support include integration with key data sources like EIA, NREL, DOE, EPA, FERC, etc.?	Yes, if relevant to the project scope/Task Order.
88	Does the scope include bringing data from different sources together and making them interoperable?	Yes, if relevant to the project scope/Task Order.
89	Does the requirement stated on data cleaning include data transformation, data harmonization, and data synthesis?	Yes, if relevant to the project scope/Task Order.
90	What are the preferred statistical tools you would prefer – R, SPSS, SAS, STATA, Python? Do you have licenses for these tools, or we will have to procure them?	SVCE does not have a preferred tool for statistical analysis.
91	Is the intent to publish reports and dashboards on Business Intelligence platforms like Power BI, Tableau, QlickSense, MicroStrategy, etc.?	Certain projects may involve the creation of internal or external dashboards and reports.

92	Does the scope also include developing reports for publishing publicly – like the plans and reports available here - Key Documents - Plans, Policies & Reports - SVCE (svcleanenergy.org)? Is storytelling also a part of the scope or is it only reporting the KPIs?	Yes, if relevant to the project scope/Task Order.
93	How flexible is the scope of work within the MSA? Can new tasks be added, or existing tasks be modified? Is there a time period during which the scope of work can be and cannot be modified?	The MSA allows for specific Task Orders to be created for a targeted project/task. So it is inherently flexible. The Task Orders can be further modified once issued through approval by SVCE, upon discussion with the vendor.
94	Could you please clarify the specific requirement in the RFP regarding "experience of at least 3 similar projects"? Do "similar projects" refer to experience in Data Analytics for Clean Energy companies, or does it encompass other fields as well? Additionally, could you clarify if the requirement pertains to the expertise in Data Analytics or the company's overall engagement in similar fields?	If the project is aligned with what is described in the scope of work, feel free to include it.
95	Regarding the workforce requirements, could you please specify if the project only accepts on-shore resources, or if off-shore resources can also be included? Additionally, is there a maximum limit for the number of people allowed in a team, or is it flexible based on the project's needs?	See Question 22. The maximum limit of team members is flexible.
96	When considering a workforce change and the need to replace a member from the given list, what is the process or procedure in place to facilitate the amendment and ensure a smooth transition for the new member into the team?	This is described in Exhibit C of Appendix A. Any changes mutually agreed upon by the Parties, and any increase or decrease in compensation, shall be incorporated by written amendments to the Agreement.
97	How will the progress of tasks and subtasks of data analytics services be reported? Is there any specific communication or reporting protocol that the vendor should be aware of?	This is described in Appendix A, Section 14.
98	How are resources allocated to different projects and tasks, and how is workload distribution managed?	Resource allocation across projects will be determined by SVCE.
99	Are there any specific project management methodologies used, such as Agile, Scrum, or Waterfall?	This is dependent on the project and vendor.

100	<p>Could you please elaborate on the data security practices currently in place at SVCE, especially in regard to preventing data leakage, protecting sensitive information, and ensuring the secure usage of platforms like Google Cloud Platform? Additionally, are there any specific data security guidelines or policies that we, as a proposing entity, are allowed to implement to enhance data security and safeguard the confidential information involved in the proposed strategic analysis?</p>	<p>Please refer to Exhibit E in the RFP.</p>
101	<p>Are there any specific security or compliance considerations (e.g., GDPR, HIPAA, ISO 27001, etc.) that would impact the decision to use on-premises or cloud solutions for data analytics tasks of data storage and data computation?</p>	<p>This is dependent on where the vendor is located. SVCE does not have any compliance considerations outside of the CPUC Decision 12-08-45.</p>
102	<p>What types of data does SVCE have access to, and what data sources are available for analysis? Are there any restrictions or limitations on accessing certain data sets? Is SVCE open to exploring, acquiring, and incorporating data from external sources?</p>	<p>See Question 12. SVCE is open to incorporating data from additional sources as well.</p>
103	<p>What were the performance results of each of the 4 areas that were taken in the GHG reduction strategic framework in 2021? This will help the vendors to strengthen their solutions by focusing on the potential impact of each area. (4 areas - Retail Products & Services, Education & Outreach, Market Transformation, Public Policy).</p>	<p>SVCE may have Task Orders that dig into questions around one or more of the areas discussed in the 2018 Decarb Roadmap (https://svcleanenergy.org/plans-policies-reports/#decarbonization-plans). And/or specific programs or projects that can be found in the "CEO Report" section of any Board meeting agenda packet (https://svcleanenergy.org/board-meetings/). Specific analyses will be determined when scoping and signing specific Task Orders.</p>
104	<p>What factors were considered in formulating the strategic framework, such as market trends, customer needs, and competitive analysis?</p>	<p>Adopted strategic plans can be found here, and include some information on factors that were included in their adoption: https://svcleanenergy.org/plans-policies-reports/#decarbonization-plans</p>
105	<p>Is there a specific timeline alignment strategy in place to ensure efficient coordination and execution of multiple tasks running in parallel?</p>	<p>SVCE has experience in managing MSAs with multiple concurrent tasks through ongoing meetings with task leads, monthly billing reports, and management review/steering meetings.</p>

106	Can you provide more details about how task dependencies and interdependencies between different project elements will be managed to avoid timeline conflicts?	See Question 105. We are also looking to the vendor to propose a structure that will help us keep projects moving. Many of the Task Orders are expected to be one-off analyses that will not have strong interdependencies with other ongoing analyses.
107	How will the project team handle resource allocation and workload distribution to maintain an achievable and realistic timeline for all tasks?	This will be determined in the Task Order.
108	Could you please clarify the approach to timelines if the assigned tasks overlap? Will the timeline be adjustable and flexible to accommodate the overlapping tasks, or is it necessary to have dedicated timelines for each task assigned, regardless of potential overlaps?	This will be determined in the Task Order.
109	Is there a formal change management process in place to address timeline adjustments and ensure proper communication of any changes to relevant stakeholders?	Please review the contract in Appendix A, which includes information on how Task Orders can be changed. If you have suggestions on best practices for change management, please include that in your proposal.
110	Could you please provide the current state architecture, tool stacks for which you would require Data Analytics support	The current tools used for data architecture and analysis include: Google Cloud Storage, Google BigQuery, Google Looker Studio, SQL, GitHub, Python, R, ArcGIS, and SQL
111	Could you please provide the preferred Resource skill set? Also, would you be able to share a ideal profiles or resumes of the desired skill sets?	SVCE is looking for a broad array of skill and experience with the types of datasets we've described. We are looking for vendors who are familiar with this work and can indicate the types of skills and resources that will be valuable to the work we may want to do - and explain in their response.
112	What categories of datasets do you currently have and would want to integrate with the new solution? (For example - Please list down the different SVCE Data Sets and Third party data sets that are in consideration)	See Question 12.
113	Are there any PII columns or other sensitive data attributes which needs to handled with proper masking and encryption techniques?	Yes, this may be required for certain projects.
114	Can you provide us the volume of historical data that are in storage layer of the current system? (If any)	There is currently <130 TB across all GCS Buckets.

115	Can you provide us the volume of data anticipated on daily/weekly/monthly basis?	Currently, data is refreshed quarterly into new dataset releases. Each of these datasets (fresh - 3 tables that are refreshed more frequently than quarterly - 3.5 TB; stable - 15 tables that are refreshed when there is new data (monthly - annually) - 4.5 TB). For the fresh dataset rough additions on the Daily - Weekly level are 127 MB and monthly 113 GB.
116	Please elaborate on the preference of tools / CSP (if any)?	This is dependent on the project and will be scoped out in the Task Order. See the note at the top of Page 1 for background information on MSAs.
117	We understand that SVCE have Big Query as thier DW. Let us know how many end users are present as of today and the expected growth in next 2-3 years (Ad-hoc users/analysts, scheduled queries/reports, ML training/advanced analytics queries)	We currently have 3 frequent end-users and 12 users that are ramping up their usage of the data warehouse. This number may increase in the future.
118	How many tables are there in the warehouse (Big Query) and what is the data size of each?	There are currently 600 tables in BigQuery. The largest by size are reflective of quarterly refreshes Release 1 - Release 14; an ingestion (raw data) dataset; a dev dataset; and a derived dataset (SVCE staff created). The quarterly refreshed dataset has table size that varies from 12.6 KB to 6.4 TB.
119	What are the total expected queries per day in your Dare Warehouse?	The number of SVCE queries for analysis purposes is roughly < 50/day. This number may ramp up as more data is ingested and users are added.
120	Can you provide us the number of reports that are currently in the system and the expected number of reports that needs to be created as part of this engagement?	Expected number of reports is TBD.
121	Do you have any presence on AWS in terms of data sources or Analytics tools?	No.
122	Is excel tool a rigid requirement or could you also consider cloud based dashboarding tools or custom applications hosted in cloud?	SVCE will consider other tools.
123	Please explain what SVCE means by "Primary Business Model". Is this a question about how we expect to generate value for SVCE and for our owners if we are successful with this proposal? If appropriate, please provide an anonymous example of Primary Business Model write-up that is responsive to SVCE's question.	This is asking for a description of how your organization operates when providing these kinds of services. Primarily in terms of generating value for your owners, and how that aligns with generating value for SVCE in this case. Business models of consulting firms look different from software-as-a-service.

124	Will PG&E distribution system hosting capacity data be available to the consultant, other than the publicly available online maps (such as map layer data, or results database)? Regarding the distribution system and capacity availability piece, the best resource is likely going to be PG&E's hosting capacity analysis. The results of that are publicly available in an online map, but ideally the consultants would have the source data or the map layer data so that it is not necessary to find results by manually reviewing the map.	See Question 5. SVCE has some additional data sources that can augment public data. We could also choose to try to get more data from PG&E or other sources if necessary for a specific analysis. Please explain how you would help SVCE consider which data sources to pursue based on a specific Task Order we might work to establish with you.
125	Page 11 of the RFP suggests that spatial analysis, interactive maps, and dashboards may be required. Could SVCE please provide any relevant system architecture details or diagrams?	A diagram is not currently available.
126	Spatial analysis, interactive maps, and dashboards may be required. Does SVCE have any preferred software packages or standards for delivery of these items?	See Question 28.
127	Does SVCE have existing incumbent contractors for this or similar work?	Currently have a contract with ADM to perform EM&V. Otherwise there are no contracts offering equivalent support as being sought under this RFP.
128	Page 6 of the RFP states that the Appendix should include "a current client list". We have hundreds of active clients globally. How would this be most useful to SVCE?	Complete as seems most useful. Can list all clients, or focus on a large subset of the most relevant. Should help SVCE understand the various entities you support, even if not mentioned as "previous experience" or references.
129	Page 6 of the RFP defines the requirement for submitting a slide deck in addition to the narrative document. Can you please confirm the intended audience?	The audience is the SVCE RFP evaluation panel.
130	P 7, Review and Selection Process: Can you please provide a percentage breakdown illustrating the weight of each of the listed evaluation criteria?	SVCE is looking at the criteria listed in the RFP globally at this time.
131	P 7, Review and Selection Process: Please explain how the cost will be evaluated considering that the scope includes a menu of options, specific task orders are not defined, and the cost depends on how many of the topic areas will need to be worked on and also depends on the level of effort required to address the listed topic areas.	See Question 130 for information on evaluation criteria and see the note at the top of Page 1 for background information on MSAs.
132	Can you please provide a list of attendees from the pre-proposal teleconference on 8/1?	The list is not available.

133	SVCE asks for one electronic submittal in pdf format. Does this include the slide deck?	Yes.
134	Do subconsultants need to provide a list of current clients?	No, unless the subconsultant is a major part of the proposal team.
135	P 5, Completing information for all Bidders (and Sub-Bidders, if applicable): Will it be possible to add subconsultants to the team after the award if needed to respond to specific task orders?	Yes.
136	P 11, Create dashboards: does the scope include the development of public facing dashboards and websites?	Yes, the scope may include this.
137	Are the resource requirement on site or can they be remote?	Remote is fine.
138	Does the solution have to be built on Google cloud platform or can it be built on another cloud platform like AWS?	For cloud platforms, GCP is preferred.
139	Do the vendors need to cover responses only to the items specified in Section 5 or is the anticipation to provide responses to items mentioned in Section 16 including Topic Areas, Types of Work and Tasks? Please clarify.	Section 5 covers the requested format and content of submittals. Section 5, #4 (Proposed solution) asks proposers to indicate which Topic Areas and Tasks, as described in Section 16, that their solutions address.
140	Can you please share the current data flow/architecture diagram for our reference?	See Question 125.
141	What are the sources and systems currently being utilized including their type, size, where it's hosted, etc.?	See Questions 12, 13, and 45.
142	Please provide details on the existing data and its size, tables, layouts, etc.	See Question 12.
143	How many reports currently exist?	SVCE currently hosts 6 core dashboards in Looker Studio.
144	What is the number of reports expected to create as part of this engagement?	See Question 120.
145	Does SVCE currently use any BI and reporting tools? If yes, please specify.	See Question 28.
146	Do you have an incumbent vendor?	See Question 127.
147	Can you please specify the number of resources and their role that the vendor expected to allocate for this project?	This is for the vendor to determine.
148	Only the key staff resumes are expected to be included as part of the proposal and not necessarily the entire team. Is our understanding, right?	Yes.
149	Do you expect any of the FTE resources allocated onsite to accomplish the project?	No.
150	How often are the personnel expected to visit the SVCE premise for discussions/meetups?	Work will be conducted remotely.
151	Are there any restrictions on utilizing a hybrid resource model (onshore + offshore) for this project?	See Question 22.

152	As it relates to the cost proposal, are you allowing firms to raise hourly rates over the course of the 5 year period?	Will be evaluated as part of the proposal when looking at competitiveness of the cost.
153	As it relates to the topic areas, could you provide additional information around the following bullet points around what type of work you envision the chosen consultant to perform? a. Create first-pass "electrification plans" for buildings in SVCE territory b. Rate optimization tool	These are example projects for use in explaining how you would provide support to SVCE and the kind of experience you have. "Electrification plans" might require looking at building characteristics and energy consumption data to bucket all buildings in SVCE territory into X categories based on likely electrification needs and costs - to inform marketing and planning efforts. "Rate optimization" might require looking at energy consumption data and analyzing the impact of the new E-ELEC rate (with and without SVCE's extra discount) on the economics of electrifying load and SVCE's revenue.
154	As it relates to the proposed solution within the narrative document, can we use qualifying projects as part of the response to the solution description in addition to the overview of our previous experience on at least three similar or related projects within the proposer description and qualifications section?	Relevant projects and experience can be included in the proposed solution section of the narrative document.
155	Would you consider a 1-week extension of the proposal submission deadline so we are better able to incorporate the answers from the questions?	Please refer to the Solicitations page (https://svcleanenergy.org/solicitations/) for the timeline of this RFP.
156	The rates per role should be grouped by the tasks described in section 16: High Level Scope of Work?	If rates and roles are specific to a subset of Topic Areas or Tasks, please indicate that in your proposal.
157	In order to estimate the tasks described, can you please provide additional information about the "standard" strategic analysis and the scope of load disaggregation? Or is SVCE expecting to describe the roles that should be involved in an initiative such as load disaggregation?	SVCE is looking for a high-level cost proposal for the example project of scoping, designing, and setting up a tool to perform load disaggregation. Include an explanation of assumptions, inputs, and outputs. If load disaggregation is not part of the services you would offer, then please complete the example for one of the other Topic Areas listed in Section 16 of the RFP.
158	Can you confirm that PG&E Distribution Circuit Models can be made available for any circuit capacity analysis studies? If so, what study software format are the models?	Cannot confirm exactly what would be available for this example. We would work with the vendor to scope out the Task Order and review available data sources.