Q&A for Request for Proposals for Load Forecasting and Compliance

Q&A Posting Date: 2/22/2022

SVCE Solicitations Link: https://www.svcleanenergy.org/solicitations/

SVCE RFP Link: https://www.svcleanenergy.org/wp-content/uploads/Load-Forecasting-and-Compliance-RFP_SVCE_1.26.2022.pdf

Key: Questions in Black**,** Answers in **Red**

- Please specify the customer and any other data SVCE expects to make available to develop the tool.
  - Customer class would be subdivided information for retail specific data such as Residential, Commercial & Industrial, etc.
- Please clarify who is/are intended to be the "end users" for the user interface of the load forecasting tool? In other words, does SVCE intend this load forecasting tool to be used primarily by and for internal SVCE staff, or does it anticipate making the tool available to one or more customer groups or external stakeholders served by SVCE?
  - End users will be data analytics & power resources subject matter experts.
- Please confirm the project delivery timeline. The request for proposal indicates work commences on April 10 and is complete by May 1, which would be three weeks to complete the scope of work.
  - Confirming the timeline is specified as it appears in the RFP.
- Does SVCE have flexibility in the project delivery timeline if the award and commencement date extend beyond April 10?
  - If the award and commencement date extends beyond April 10, the timeline will be adjusted accordingly.
- Could you please expand on the tentative timeline milestones in Section 4? Specifically, the May 1, 2022 "project completion and launch." Is this meant to be the timeframe for having the load forecast models completed (3 weeks from work commencement)   If so, is SVCE open to a longer timeframe for completing these models?
- The intent is to have the load forecast model/tool available for use by May 1st, however if adjustments need to be made thereafter to refine the modeling further then that would be okay.
- Can you please share what you mean by and provide examples for:

  - " User can specify extreme weather events"
- Load Forecasting would typically involve a stochastic distribution of load as it relates to drivers such as temperature. Sometimes, the user may like to run extreme scenario analysis as a feature to stress the model results. Such provisions would be ideal.

 Can you please provide more information and what this means:

  - "Can specify departure of load due to direct access"
- In California, as a CCA, SVCE is allocated load at inception within territory. Customers within the territory, subject to conditions, can choose to transfer their service to another electric provider

called ESP. More details on DA program here. https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/electric-costs/learn-more-about-costs-and-rates

- Quantitatively, we like this modeled or specified as user input to the load forecasting.

- Can you please provide more details on the following:

"These forecasts will be broken down as follows:

  o Total load
  o Load by customer class
  o Load by rate class
  o Retail load peak
  o Wholesale peak
  o Coincident peak and coincident factor

- The above are typical nomenclatures in Load Forecasting World. Total Load implies total wholesale & total retail load. The peak is the highest point of load during specified time periods (i.e. monthly hour peak, etc.) Customer class would be subdivided information for retail specific data such as Residential, Commercial & Industrial, etc.

- Can you please provide more details on the following:
  o "Load forecast presented at monthly on/off peak granularity, with the option to aggregate up to annual levels."
- It is desired to have the ability to review the data by on/off peak hour type(s) which follow the typical hour types for heavy load and light load period(s) adjusted for NERC holidays, leap years, etc. The option to aggregate data annually, would be the ability to filter for both monthly and annual data.
- Is SVCE able to provide or further define the use case examples for regulatory risk contemplated?

  o SVCE will provide use case examples during interviews with top bidders upon request
- Is SVCE able to provide use case examples of the Direct Access scenarios contemplated? Does this equate or reference 'churn rates?
  o Yes, we can. It is analogous to churn rates but more a regulatory driven construct not economic per se.
- Is SVCE able to provide the annual load (MWh) for the residential and C&I customers?
  o 2021 residential load was around 1.37 million MWh. 2021 C&I load was around 2.31 million MWh.
- Is Meter Level forecasting required or will a System level forecast be acceptable
  o Ideally, we are looking for bottom-up forecasting and triangulate with the system level forecast. Both matter.