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City of Santa Clara dba Silicon Valley Power 2019 IEPR Forms 1.1b through 6

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Additional submitted attachment is included below.



**City of Santa Clara d.b.a. Silicon Valley Power (SVP)
California Energy Commission Integrated Energy Policy Report (“IEPR”) 2019
Form 6: Incremental Demand-Side Program Methodology**

Silicon Valley Power (SVP) is unique in its mix of customers. While 84 percent of the customers are residential, over 90 percent of the utility retail sales are to commercial and industrial customers. Approximately 74 percent of electric load is attributable to the largest “Key” Customers. Over 46 percent comes from data centers. Analysis of large customers has been conducted to determine if any have the ability to shift load during periods of high demand. SVP industrial customers have an average load factor of 85 percent, and perform almost at unity load factor, meaning most large customers are on 24/7 and observe minimal differences between peak and off-peak load, therefore do not have the ability to load shift. SVP does offer incentives for customers that can participate in a Dispatchable Program.

Currently, the Dispatchable Program can provide a load reduction of 8 MW. One of SVP’s largest electric customers has the capability to reduce its demand on SVP’s electric utility system upon request. Such reductions allow SVP to reduce the amount of generation capacity it needs to meet the peak demand, and the option to avoid supplying energy to the customer during periods of high power market prices, and thus provides SVP with economic operational flexibility. This annual contract allows SVP the right to request demand reductions up to 8 MW at any time during the period from 10:00am to 10:00pm Monday through Friday. Demand reductions shall not occur more frequently than 30 times during the one year term and no more than 10 times in any calendar month.