SDG&E 2019 GRC Phase II, Public Advocates Office DR 1; Master Data Request

**SDG&E GRC Phase 2 (A.19-03-002)**

**SDG&E Responses to Question 3-9**

**Response Date: October 1, 2019**

Over the last 10 years, has SDG&E installed any combustion turbine peaking plants? If so, please indicate when each was installed, the cost per kW, and the type of plant (LMS 6000, LMS 100, GE 7FA, or other).

**SDG&E Response:**

The following combustion turbine peaking plants began deliveries in the past 10 years. All of these plants were installed as a result of SDG&E contracting for them or installing them as a utility owned resource:

2010 Orange Grove (2 x LM 6000)- this resource is contracted by SDG&E at a cost of $172.12/kw-year

2010 El Cajon Energy Center (LM6000)- this resource is contracted by SDG&E at a cost of $105.1/kw-year +Variable $37.5/kw-year

2014 Escondido Energy Center (LM6000)- this resource is contracted by SDG&E at a cost of $106.5/kw-year +Variable $43.5/kw-year

2017 Pio Pico Energy Center (3 x LMS 100)- this resource is contracted by SDG&E at a cost of **CONFIDENTIAL**

2017 Carlsbad Energy Center (5 x LMS100)- this resource is contracted by SDG&E at a cost of

**CONFIDENTIAL**

Provide the projected cost of batteries (in $/kW-year) over the next six years (starting with the test year) adjusted to net out the fossil fuel savings (i.e., energy related capital costs) associated with using batteries rather than combustion turbine plants to meet peak loads.

**SDG&E Response:**

SDG&E objects to this request to the extent it seeks information not within SDG&E’s knowledge or control, regarding matters that are not relevant to and are not within the scope of the proceeding. SDG&E objects to the request as it is overly broad, vague and ambiguous, and the analysis can be performed by the requestor. Performing the requested analysis would be unduly burdensome and would require a number of input assumptions that are not specified in the request.

Subject to and without waiving the foregoing objections, SDG&E responds as follows: SDG&E has not performed and does not have the requested analysis.

Provide an expected resource balance year for system resources and how it was determined.

**SDG&E Response:**

SDG&E objects to this request to the extent it seeks information not within the scope of the proceeding. Subject to and without waiving the foregoing objections, SDG&E responds as follows: Given the announcement of Community Choice Aggregation (CCA) activity by a number of major cities in SDG&E’s service territory, SDG&E projects that it will be long on generation resources over the foreseeable future and therefore does not project a resource balance year for system resources.

Please provide a listing of new resources (including preferred resources) that will come on line over the six-year planning horizon that begins with the test year.[[1]](#footnote-2)For each resource, please provide:

* 1. The cost in $/kW-year,
	2. Whether the resources will serve a particular local control area,
	3. If the resources also will be used to serve system resource adequacy requirements, a breakdown of the cost (in $/kW-year) between system and local control area needs,
	4. The type of generation plant or other resource it is,
	5. When the resource is expected to come on line,
	6. The purpose of the new resource addition (e.g., load growth, once-through cooling plant retirement, other retirement, renewable integration, RPS compliance, other commission mandates to add preferred resources, enhancement of flexible capacity, etc.). For resources being added for multiple purposes, please indicate the primary purposes for the addition and how the cost might be allocated to each of those purposes.
	7. If the Commission has approved the resource, the Commission Decision and/or Resolution number that authorizes the resource addition,
	8. If the plant has been permitted by the CEC, the permit number and date granted, and
	9. If the resource will be paid through a contract or CAM independently of the resource adequacy market, provide the contract prices and describe the contract terms.

**SDG&E Response:**

See the attached table showing generation resources that will come on-line from 2019-24. The attached Excel response has been redacted to protect confidential information.



For each of the renewables and other preferred resources listed in the previous question, please provide:

1. The estimated amount of net qualifying capacity the resource will contribute under the new ELCC methodology, and
2. What percentage of the nameplate capacity of the resource the net qualifying capacity represents.

**SDG&E Response:**

See answer to Question 6.

For each renewable or other preferred resource listed in Question 6, provide the cost savings from the reduction in the use of fossil fuels and a calculation of the energy related capital cost associated with this cost savings. That is, calculate the effective reduction in the capital cost (in $/kW-year) that is expected from deploying a non-fossil resource.

**SDG&E Response:**

SDG&E objects to this request to the extent it seeks information not within SDG&E’s knowledge or control, regarding matters that are not relevant to and are not within the scope of the proceeding. SDG&E also objects to the request as it is overly broad, vague, ambiguous, and unduly burdensome, as the requested analysis would be subjective and the response is dependent on input assumptions and variables not specified in the question.

Subject to and without waiving the foregoing objections, SDG&E responds as follows: SDG&E has not performed and does not have the requested analysis.

Please provide the $/kW-year cost and kW capacity of each utility and third-party demand response program resource to be added over the next DR-cycle. Please indicate what years the next DR-cycle covers.

**SDG&E Response:** SDG&E objects to this request to the extent it seeks information that is not within SDG&E’s control and possession, regarding matters that are not relevant to and are not within the scope of the proceeding.  Without waiving and subject to the above objections, SDG&E responds as follows: SDG&E does not know what programs will be applied for and/or approved in the next demand response cycle, which covers the years 2023 through 2027.

1. D. 89-12-057 and D. 96-04-050 require the use of a six-year period that begins with the test year. For the 2019 GRC, this presumably would be 2019-2024. [↑](#footnote-ref-2)