

**ORA DATA REQUEST  
ORA-SDGE-049-MW5  
SDG&E 2019 GRC – A.17-10-007  
SDG&E RESPONSE  
DATE RECEIVED: DECEMBER 6, 2017  
DATE RESPONDED: DECEMBER 20, 2017**

**Exhibit Reference:** SDG&E-07

**SDG&E Witness:** Michael A. Bermel and Beth Musich

**Subject:** Gas Transmission Capital

**Please provide the following:**

**New Construction Pipeline**

1. What is the total estimated cost for the Carlsbad Energy Center?

**SDG&E Response 1:**

Total estimate cost for Gas Transmission: \$4,722,538.00

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2. What was the total cost for the completed Pio Pico Energy Center?

**SDG&E Response 2:**

The Pio Pico project is still being reconciled; however, total Gas Transmission cost to date is \$11,587,579.37

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**Compressor Stations**

3. Regarding SDG&E's response to data request ORA-DR-001-MW5, Question 8:

- a. How many turbochargers are on the Cooper compressors at the Moreno Compressor Station?
- b. How many turbochargers were replaced in 2016?
- c. What is the useful life expectancy of a turbocharger?

**SDG&E Response 3:**

- a. 3
- b. 1
- c. Approximately 15 years

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4. Regarding SDG&E's Response to data request ORA-DR-001-MW5 Question 8:
- a. Are the Moreno Valley Compressor station upgrades and the Moreno Copper 10 Turbocharger replacements onetime costs at the Moreno Compressor Station?
  - b. If not, please provide a list of all future compressor station upgrade costs at this site through 2019 and include board of directors, management and/or supervisor authorizations for the projects. Include all supporting documentation.

**SDG&E Response 4:**

- a. No, these are not one-time occurrences. As stated in SDG&E's response to Question 3.c of this data request, turbocharger equipment generally has a 15-year life expectancy. Please refer to SDG&E 07 JGT-13 for additional information.
- b. Please see Exhibit SDG&E-07, beginning on page JGT-13 for explanation on this budget category. Additional information is provided in the workpapers supporting this testimony as Exhibit SDG&E-07-CWP.

Currently there are two planned projects for this facility. The first is the relocation of discharge piping for the Cooper compressors. This project is expected to be completed in 2018 and will cost approximately \$3.6 million. The second planned project is an upgrade to the cooling system for the Cooper compressors. This project is also expected to be completed in 2018 with an estimated cost of \$1.1 million.

The two planned projects identified above should not be considered the only capital expenditures that will take place in this budget category. Because it is difficult to identify equipment failures, blanket budgets are employed to provide future capital for these unplanned events. Blanket budgets are also employed to provide budget for smaller routine capital projects. This budget category is based on the five-year average of historical spend and is further supported by operating experience. Approval by the board of directors is not required for these projects but management authorization is being sought for the associated work orders and will be provided when obtained.