

**TURN/SCGC DATA REQUEST-03**  
**SDG&E-SOCALGAS 2019 GRC – A.17-11-007/8**  
**SDG&E\_SOCALGAS RESPONSE**  
**DATE RECEIVED: FEBRUARY 23, 2018**  
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**Exhibit Reference:** SCG-15

**SDG&E Witness:** Rick Phillips

1. For the forecast of costs for Line 235-W Section 1, please identify the cost associated with each of the following items set forth in the workpapers:
  - a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 46)
    - i. Project management
    - ii. Project Field Management
    - iii. Project Engineers
    - iv. Construction Management/Inspectors
    - v. Environmental
    - vi. Other Departments
  - b. SoCalGas Field Labor (p. 46)
  - c. Contracted Project Management, Engineering, and Design Services (p. 47)
    - i. Engineering/Design Services
    - ii. PM/Project Services
    - iii. Construction Management
    - iv. Surveying/As-builts
  - d. Environmental Contract Services Labor (p. 44)

**Utility Response 01:**

Please see illustrative example below for Line 235 West Section 1, indicating where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project. Open attachment “TURN-SCGC DR01 Q03c CONFIDENTIAL 235 W Sec1 Ph2 Stage 3 Est 05-08-17\_redacted.xls” and go to worksheet tab: Estimate<sup>1</sup>.

- a) SoCalGas Labor – Add all cost values from i. to vi. (\$1,333,219).
  - i. Project Management (\$337,871)
    - In column L, identify the cells labeled “SCG-PSEP Project Manager” (Rows: 157, 170, 183 and 195).
    - Add the corresponding values in column W (\$0 + \$50,277 + \$0 + \$287,594 = \$337,871).

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<sup>1</sup> Numbers may not add up exactly due to rounding.

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**Utility Response 01:-CONTINUED**

- ii. Project Field Management (\$645,146)
- In column L, identify the cells labeled “SCG-PSEP Project (Field Management)” and “SCG-PSEP Project (Field Management) Close-Out” (Rows: 155, 156, 168, 169, 181, 182, 192, 193 and 194).
  - Add the corresponding values in column W  
( $\$0 + \$0 + \$52,698 + \$507 + \$0 + \$0 + \$301,445 + \$2,902 + 287,594 = \$645,146$ ).
- iii. Project Engineers (\$9,913)
- In column L, identify the cells labeled “SCG-PSEP Project Engineers” and “SCG-Engineering Services” (Rows: 158, 160, 171, 173, 184, 186, 196 and 198).
  - Add the corresponding values in column W  
( $\$0 + \$0 + \$1,475 + \$0 + \$0 + \$0 + \$8,438 + \$0 = \$9,913$ )
- iv. Construction Management/Inspectors (\$155,463)
- In column L, identify the cells labeled “SCG-Inspectors/CA’s” (Rows: 161, 174, 187, and 199).
  - Add the corresponding values in column W  
( $\$0 + \$23,134 + \$0 + \$132,329 = \$155,463$  ).
- v. Environmental (\$56,900)
- In column L, identify the cells labeled “SCG-Environmental Services” (Rows: 159, 172, 185, and 197).
  - Add the corresponding values in column W  
( $\$0 + \$8,467 + \$0 + \$48,433 = \$56,900$ ).
- vi. Other Departments (\$127,926)
- In column L, identify the cells labeled “SCG-Other Departments” (Rows: 162, 175, 188, and 200).
  - Add the corresponding values in column W  
( $\$0 + \$19,036 + \$0 + \$108,890 = \$127,926$ ).
- b) SoCalGas Field Labor - (\$553,602)
- In column L, identify the cells labeled “SCG-Distribution Field Services,” “SCG-Transmission Field Services,” “SCG-Pipeline Integrity Services,” and “SCG-Other Field Departments” (Rows: 163-166, 176-179, 189-190, and 201-202).
  - Add the corresponding values in column W  
( $\$0 + \$0 + \$0 + \$0 + \$82,379 + \$0 + \$0 + \$0 + \$0 + \$471,223 + \$0 = \$553,602$ ).
- c) Contracted Project Management, Engr, and Design Services – Add all values from i. to iv.  
(\$9,927,314)
- i. Engineering/Design Services (\$2,012,412)

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- In column L, under sub-categories Engineering & Design Services Stage 1-2 (Row: 215), “Additional Costs” and “Actuals”, identify the cells labeled “Engineering & Design Services ( Stage 3 Design and Engineering Remaining,” “Engineering & Design Services ( Stage 4 Commitment),” and “Engineering & Design Services ( Stage 5-7 Estimate)”(Rows: 215-218, 251-253, 286-288, and 321-323).
  - If column H contains “Engineering & Design” add the corresponding values in column W  
 $(\$36,270 + \$174,093 + \$89,095 + \$0 + \$0 + \$0 + \$207,469 + \$995,847 + \$509,639 = \$2,012,412).$
- ii. PM/Project Services (\$4,008,413)
- In column L, under sub-categories “Additional Costs” and “Actuals,” identify the cells in column H labeled “Project Management & Project Services” (Rows: 241-244, 254-255, 258-263, 269, 271, 273, 276-279, 289-290, 293-298, 304, 306, 308, 311-314, 324-325, 328-333, 339, 341, 343, 373-374, 376, and 378-383).
  - Do not add cell values where column L is labeled “Survey/As-Built” or “Survey Services (Stage 1-7). (Rows: 255 and 325)
  - Add the remaining corresponding values in column W  
 $(\$0 + \$14,990 + \$7,383 + \$0 + \$0 + \$0 + \$51,271 + \$35,377 + \$414,395 + \$0 + \$54,943 + \$194,177 + \$17,127 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$85,746 + \$42,231 + \$0 + \$0 + \$0 + \$0 + \$0 + \$2,370,420 + \$0 + \$314,283 + \$0 + \$0 + \$304,484 + \$72,101 + \$26,211 + \$0 + \$0 + \$3,276 + \$0 + \$0 + \$0 + \$0 = \$4,008,413).$
- iii. Construction Management (\$2,192,768)
- In column L, under sub-categories “Additional Costs” and “Actuals,” identify the cells in column H labeled “Construction Management” (Rows: 256-257, 291-292, 326-327, and 375).
  - Add the corresponding values in column W  
 $(\$284,360 + \$41,936 + \$0 + \$0 + \$1,626,593 + \$239,879 + \$0 = \$2,192,768).$
- iv. Survey/As-builts (\$1,713,721)
- a. In column L, under sub-categories “Additional Costs” and “Actuals,” identify the cells in column H labeled “Project Management & Project Services” (Rows: 241-244, 254-255, 258-263, 269, 271, 273, 276-279, 289-290, 293-298, 304, 306, 308, 311-314, 324-325, 328-333, 339, 341, 343, 373-374, 376, and 378-383).
  - b. Only include cells in column L labeled “Survey/As-Built” or “Survey Services (Stage 1-7). (Rows: 255 and 325)
  - c. Add the corresponding values in column W  
 $(\$255,011 + \$1,458,710 = \$1,713,721).$

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**Utility Response 01:-CONTINUED**

d) Environmental Contract Services Labor – (\$7,662,400)

- In column L, under sub-categories “Additional Costs” and “Actuals,” identify the cells in column H labeled “Environmental” (Rows: 245-250, 264-265, 272, 280-285, 299-300, 307, 315-320, 334-335, 342, 350, and 377).
- Do not add cell values where column J: Project Sumn & WBS is labeled 15W (Row 247, 282 and 317).
- Add the corresponding values in column W  
( $\$675,157 + \$0 + \$216,242 + \$204,824 + \$42,351 + \$328 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$0 + \$3,862,032 + \$0 + \$1,236,947 + \$1,171,635 + \$242,254 + \$1,876 + \$0 + \$0 + \$8,754 = \$7,662,400$ ).

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2. For the forecast of costs for Line 235-W Section 2, please identify the cost associated with each of the following items set forth in the workpapers:
  - a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 62)
    - i. Project management
    - ii. Project Field Management
    - iii. Project Engineers
    - iv. Construction Management/Inspectors
    - v. Environmental
    - vi. Other Departments
  - b. SoCalGas Field Labor (p. 62)
  - c. Contracted Project Management, Engineering, and Design Services (p. 63)
    - i. Engineering/Design Services
    - ii. PM/Project Services
    - iii. Construction Management
    - iv. Surveying/As-builts
  - d. Environmental Contract Services Labor (p. 60)

**Utility Response 02:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project.

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3. For the forecast of costs for Line 235-W Section 3, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 76)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
  
- b. SoCalGas Field Labor (p. 76)
  
- c. Contracted Project Management, Engineering, and Design Services (p. 77)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
  
- d. Environmental Contract Services Labor (p. 74)

**Utility Response 03:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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4. For the forecast of costs for Line 407, please identify the cost associated with each of the following items set forth in the workpapers:
- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 88)
    - i. Project management
    - ii. Project Field Management
    - iii. Project Engineers
    - iv. Construction Management/Inspectors
    - v. Environmental
    - vi. Other Departments
  
  - b. SoCalGas Field Labor (p. 88)
  
  - c. Contracted Project Management, Engineering, and Design Services (p. 88)
    - i. Engineering/Design Services
    - ii. PM/Project Services
    - iii. Construction Management
    - iv. Surveying/As-builts
  
  - d. Environmental Contract Services Labor (p. 86)

**Utility Response 04:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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5. For the forecast of costs for Line 1011, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 99)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 99)
- c. Contracted Project Management, Engineering, and Design Services (p. 99)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 97)

**Utility Response 05:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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6. For the forecast of costs for Line 2000 Chino Hills, please identify the cost associated with each of the following items set forth in the workpapers:
- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 113)
    - i. Project management
    - ii. Project Field Management
    - iii. Project Engineers
    - iv. Construction Management/Inspectors
    - v. Environmental
    - vi. Other Departments
  - b. SoCalGas Field Labor (p. 113)
  - c. Contracted Project Management, Engineering, and Design Services (p. 114)
    - i. Engineering/Design Services
    - ii. PM/Project Services
    - iii. Construction Management
    - iv. Surveying/As-builts
  - d. Environmental Contract Services Labor (p. 111)

**Utility Response 06:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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7. For the forecast of costs for Line 2000-E, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 125)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p.125)
- c. Contracted Project Management, Engineering, and Design Services (p. 126)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 123)

**Utility Response 07:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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8. For the forecast of costs for Line 2000 Blythe, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 143)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
  
- b. SoCalGas Field Labor (p. 143)
  
- c. Contracted Project Management, Engineering, and Design Services (p. 143)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
  
- d. Environmental Contract Services Labor (p. 141)

**Utility Response 08:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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9. For the forecast of costs for Line 2001-W-C, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 154)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 154)
- c. Contracted Project Management, Engineering, and Design Services (p. 155)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 152)

**Utility Response 09:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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10. For the forecast of costs for Line 2001-W-D, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 167)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
  
- b. SoCalGas Field Labor (p. 167)
  
- c. Contracted Project Management, Engineering, and Design Services (p. 167)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
  
- d. Environmental Contract Services Labor (p. 164)

**Utility Response 10:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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11. For the forecast of costs for Line2001-W-E, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 178)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 178)
- c. Contracted Project Management, Engineering, and Design Services (p. 179)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 176)

**Utility Response 11:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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12. For the forecast of costs for Line 85, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 200)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 200)
- c. Contracted Project Management, Engineering, and Design Services (p. 200)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 197)

**Utility Response 12:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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13. For the forecast of costs for Line 36-9-09N Section 12, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 210)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 210)
- c. Contracted Project Management, Engineering, and Design Services (p. 210)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 208)

**Utility Response 13:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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14. For the forecast of costs for Line36-9-09N Section 14, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 220)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
  
- b. SoCalGas Field Labor (p. 220)
  
- c. Contracted Project Management, Engineering, and Design Services (p. 220)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
  
- d. Environmental Contract Services Labor (p. 218)

**Utility Response 14:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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15. For the forecast of costs for Line36-9-09N Section 15, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 230)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
  
- b. SoCalGas Field Labor (p. 230)
  
- c. Contracted Project Management, Engineering, and Design Services (p. 230)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
  
- d. Environmental Contract Services Labor (p. 228)

**Utility Response 15:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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16. For the forecast of costs for Line 36-9-09N Section 16, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 240)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
  
- b. SoCalGas Field Labor (p. 240)
  
- c. Contracted Project Management, Engineering, and Design Services (p. 240)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
  
- d. Environmental Contract Services Labor (p. 238)

**Utility Response 16:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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17. For the forecast of costs for Line 36-1032 Section 11, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 250)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 250)
- c. Contracted Project Management, Engineering, and Design Services (p. 250)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 248)

**Utility Response 17:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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18. For the forecast of costs for Line 36-1032 Section 12, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 259-260)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 260)
- c. Contracted Project Management, Engineering, and Design Services (p. 260)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 258)

**Utility Response 18:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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19. For the forecast of costs for Line 36-1032 Section 13, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 271)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
  
- b. SoCalGas Field Labor (p. 271)
  
- c. Contracted Project Management, Engineering, and Design Services (p. 271)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
  
- d. Environmental Contract Services Labor (p. 269)

**Utility Response 19:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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20. For the forecast of costs for Line 36-1032 Section 14, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 282)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 282)
- c. Contracted Project Management, Engineering, and Design Services (p. 283)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 280)

**Utility Response 20:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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21. For the forecast of costs for Line 44-1008, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 297)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 297)
- c. Contracted Project Management, Engineering, and Design Services (p. 298)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 294)

**Utility Response 21:**

Please refer to response for question 1 above that indicates where in the Excel spreadsheets provided in response to TURN-SCGC-DR-01 this information can be obtained for each project

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22. For the forecast of costs for Cactus City Station, please identify the cost associated with each of the following items set forth in the workpapers:

- a. SoCalGas Labor—Management, Engineering, and Non-Union Labor (p. 307)
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. SoCalGas Field Labor (p. 307)
- c. Contracted Project Management, Engineering, and Design Services (p. 308)
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Environmental Contract Services Labor (p. 305)

**Utility Response 22:**

The attached document includes Confidential and Protected Materials pursuant to PUC Section 583, GO 66-D, and D.17-09-023. Note that the attached files have also been redacted to remove non-responsive, non-relevant employee information.

Please refer to response for question 1 above that indicates where in the attached Excel spreadsheet – “TURN-SCGC DR03 Q22 CONFIDENTIAL 2000E Cactus City Rep Ph2 Stage 3 Est 0 5-9-17 \_redacted” this information can be obtained. SoCalGas/SDG&E inadvertently omitted this estimating tool from the response to TURN-SCGC DR-01.

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23. In A.16-09-005, the workpapers of Rick Phillips present recorded PSEP cost data in a table denoted “Table 4” for each of the following PSEP projects: Line 1005 (p. WP-III-A16), Line 1011 (p. WP-III-A29), Line 1013 (p. WP-III-A43), Line 1014 (p. WP-III-A56), Line 1015 (p. WP-III-A74), Line 2000W (p. WP-III-A96), Line 2001W-A (p. WP-III-A108), Line 2001 W-B (p. WP-III-A130), Line 2003 (p. WP-III-A150), Line 235 W Sawtooth Canyon (p. WP-III-A162), Line 33-120 Section 2 (p. WP-III-A176), Line 35-20-N (p. WP-III-A188), Line 36-37 (p. WP-III-A198), Line 36-9-09N 2b (p. WP-III-A213), Line 36-9-09N 6b (p. WP-III-A227), Line 36-1032 (p. WP-III-A254), Line 38-539 (p. WP-III-A272), Line 406 (p. WP-III-A298), Line 407 (p. WP-III-A319), Line 45-120 (p. WP-III-A342), and Line 45-120XO1 (p. WP-III-A354). For each of these Table 4s presenting cost data listed previously, please provide the following information:

- a. Break down the company labor cost into the following categories:
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
  
- b. Provide the associated hours work for each category identified in the previous question.
  
- c. Break down the contract cost and other directs into the following categories:
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
  
- d. Provide the associated hours work for each category identified in the previous question.

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**Utility Response 23 a & b:**

SoCalGas does not track labor costs or hours in the categories requested. The total actual company labor costs and hours are detailed in the table below.

<b>A.16-09-005/ COMPANY LABOR:</b>	<b>(a) Actual Company Labor Costs</b>	<b>(b) Hours</b>
Line 1005 (p. WP-III-A16)	\$ 365,956	6,715
Line 1011 (p. WP-III-A29)	\$ 189,674	3,685
Line 1013 (p. WP-III-A43)	\$ 303,117	6,188
Line 1014 (p. WP-III-A56)	\$ 98,253	2,138
Line 1015 (p. WP-III-A74)	\$ 374,564	7,814
Line 2000W (p. WP-III-A96)	\$ 830,197	16,389
Line 2001W-A (p. WP-III-A108)	\$ 63,654	1,369
Line 2001 W-B (p. WP-III-A130)	\$ 608,500	12,344
Line 2003 (p. WP-III-A150)	\$ 396,764	8,210
Line 235 W Sawtooth Canyon (p. WP-III-A162)	\$ 91,831	1,974
Line 33-120 Section 2 (p. WP-III-A176)	\$ 348,938	6,858
Line 35-20-N (p. WP-III-A188)	\$ 46,261	936
Line 36-37 (p. WP-III-A198)	\$ 149,198	2,500
Line 36-9-09N 2b (p. WP-III-A213)	\$ 127,448	2,757
Line 36-9-09N 6b (p. WP-III-A227)	\$ 45,314	1,076
Line 36-1032 (p. WP-III-A254)	\$ 482,765	10,563
Line 38-539 (p. WP-III-A272)	\$ 673,382	14,602
Line 406 (p. WP-III-A298)	\$ 393,549	6,020
Line 407 (p. WP-III-A319)	\$ 489,269	6,913
Line 45-120 (p. WP-III-A342)	\$ 344,913	6,913
Line 45-120XO1 (p. WP-III-A354)	\$ 84,087	1,079

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**Utility Response 23 c:**

Because SoCalGas and SDG&E track as-built costs as engineering costs, categories “i. and iv.” have been combined in the table below.

<b>A.16-09-005 CONTRACT &amp; OTHER DIRECT COSTS</b>	<b>i. Engineering/Design Services and iv. Surveying/As-Builts</b>	<b>ii. PM/Project Services</b>	<b>iii. Construction Management</b>
Line 1005 (p. WP-III-A16)	\$ 1,016,610	\$ 230,046	\$ 1,362,737
Line 1011 (p. WP-III-A29)	\$ 469,348	\$ 104,950	\$ 386,651
Line 1013 (p. WP-III-A43)	\$ 122,363	\$ 376,870	\$ 273,365
Line 1014 (p. WP-III-A56)	\$ 261,265	\$ 90,322	\$ 63,229
Line 1015 (p. WP-III-A74)	\$ 1,259,262	\$ 227,509	\$ 737,001
Line 2000W (p. WP-III-A96)	\$ 3,270,239	\$ 2,836,049	\$ 1,514,392
Line 2001W-A (p. WP-III-A108)	\$ 282,682	\$ 76,854	\$ 12,803
Line 2001 W-B (p. WP-III-A130)	\$ 2,565,715	\$ 1,677,060	\$ 2,492,485
Line 2003 (p. WP-III-A150)	\$ 2,176,638	\$ 395,930	\$ 1,493,041
Line 235 W Sawtooth Cyn (p. WP-III-A162)	\$ 161,307	\$ 103,485	\$ 33,453
Line 33-120 Section 2 (p. WP-III-A176)	\$ 1,069,944	\$ 229,064	\$ 942,533
Line 35-20-N (p. WP-III-A188)	\$ 59,286	\$ 19,429	\$ 9,727
Line 36-37 (p. WP-III-A198)	\$ 89,243	\$ 82,615	\$ 115,167
Line 36-9-09N 2b (p. WP-III-A213)	\$ 498,215	\$ 444,238	\$ 367,826
Line 36-9-09N 6b (p. WP-III-A227)	\$ 465,000	\$ 191,929	\$ 549,567
Line 36-1032 (p. WP-III-A254)	\$ 1,764,786	\$ 1,371,266	\$ 1,910,951
Line 38-539 (p. WP-III-A272)	\$ 1,643,673	\$ 331,940	\$ 2,131,190
Line 406 (p. WP-III-A298)	\$ 1,823,425	\$ 539,747	\$ 2,183,130
Line 407 (p. WP-III-A319)	\$ 183,288	\$ 1,880,940	\$ 752,303
Line 45-120 (p. WP-III-A342)	\$ 1,093,248	\$ 325,598	\$ 701,240
Line 45-120XO1 (p. WP-III-A354)	\$ 1,272	\$ 1,891	\$ 12,986

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**Utility Response 23 d:**

SoCalGas and SDG&E cannot provide a breakout of contract labor hours because some PSEP contracts were invoiced on a time and materials basis while others were bid and were invoiced for the scope of work. To the extent that some contractor invoices bill for time, it would be overly burdensome to review the hundreds of thousands of invoices and would not lead to information that would accurately reflect the labor hours for each cost category.

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24. In A.14-12-016, the amended workpapers of Rick Phillips present recorded PSRMA cost data in a “cost summary” table for each of the following PSRMA projects: Line 42-66-1/42-66-2 (p. WP-III-3), Line 2000-A (p. WP-III-24), Line 32-21 (p. WP-III-28), Line 37-18-F (p. WP-III-32), Line 404 (p. WP-III-39), Line 406 (p. WP-III-43), Line 407 (p. WP-III-47), Line 1004 (p. WP-III-51), Line 1015 (p. WP-III-55), 2000-W (p. WP-III-59), Line 2001 W (p. WP-III-63), and Line 2003 (p. WP-III-67). For each of the cost summary tables listed previously, please provide the following information:

- a. Break down the company labor cost into the following categories:
  - i. Project management
  - ii. Project Field Management
  - iii. Project Engineers
  - iv. Construction Management/Inspectors
  - v. Environmental
  - vi. Other Departments
- b. Provide the associated hours work for each category identified in the previous question.
- c. Break down the contract cost and other directs into the following categories:
  - i. Engineering/Design Services
  - ii. PM/Project Services
  - iii. Construction Management
  - iv. Surveying/As-builts
- d. Provide the associated hours work for each category identified in the previous question.

**Utility Response 24:**

The PSRMA application was amended to remove the following “Projects in Progress” from the application: (Line 32-21 (p. WP-III-28), Line 37-18-F (p. WP-III-32), Line 404 (p. WP-III-39), Line 406 (p. WP-III-43), Line 407 (p. WP-III-47), Line 1004 (p. WP-III-51), Line 1015 (p. WP-III-55), 2000-W (p. WP-III-59), Line 2001 W (p. WP-III-63), and Line 2003 (p. WP-III-67).).

Line 32-21, Line 407 and Line 1015 were later submitted for reasonableness review in A.16-09-005 and are included in the response to question 23 above. Line 37-18-F, Line 404, Line 406 and Line 1004 will be submitted for reasonableness review in a future application and as such the costs have not yet been finalized.

**Utility Response 24 a & b:**

SoCalGas does not track labor costs or hours in the categories requested. The total actual company labor costs and hours are detailed in the table below.

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**Utility Response 24 a & b: - CONTINUED**

<b>A.14-12-01/COMPANY LABOR:</b>	<b>Actual Labor Costs</b>	<b>Hours</b>
Line 42-66-1/42-66-2 (p. WP-III-3)	\$ 100,690	2,154
Line 2000-A (p. WP-III-24)	\$ 1,152,907	22,861
<b>PROJECTS IN PROGRESS</b>		
Line 32-21 (p. WP-III-28),	See Response to Q23 a&b	
Line 407 (p. WP-III-47),	See Response to Q23 a&b	
Line 1015 (p. WP-III-55),	See Response to Q23 a&b	

**Utility Response 24 c:**

SoCalGas and SDG&E tracks as-built costs as engineering costs, categories “i. and iv.” have been combined in the table below. PM/Project Services for Line 42-66-1/42-66-2 were not provided by an external source. Contract Costs & Other Direct Costs for the PM/Project Services category is zero.

<b>A.14-12-016 CONTRACT &amp; OTHER DIRECT COSTS</b>	<b>i. Engineering/Design Services and iv. Surveying/As-Built</b>	<b>ii. PM/Project Services</b>	<b>iii. Construction Management</b>
Line 42-66-1/42-66-2 (p. WP-III-3)	\$19,002	\$0	\$8,188
Line 2000-A (p. WP-III-24)	\$2,66,017	\$731,303	\$1,744,748
<b>PROJECTS IN PROGRESS</b>			
Line 32-21 (p. WP-III-28),	See Response to Q23 c&d		
Line 407 (p. WP-III-47),	See Response to Q23 c&d		
Line 1015 (p. WP-III-55),	See Response to Q23 c&d		

**Utility Response 24 d:** See the response to 23d above.