

TURN/SCGC DATA REQUEST-11
SDG&E-SOCALGAS 2019 GRC – A.17-11-007/8
SDG&E_SOCALGAS RESPONSE
DATE RECEIVED: APRIL 18, 2018
DUE DATE: MAY 07, 2018

Data Requests: Regarding Applicants Response to TURN/SCGC-SEU-001

1. For each of the Excel workbooks that were provided in response to TURN/SCGC-SEU-001, Q.2.c and Q.3.c. and noting that each of these workbooks have a tab labeled “Estimate” and a tab labeled “Risk Summary”, please answer the following questions:

Question 1a: Please confirm that each of the estimate sheets has a column P showing materials costs, a column Q showing labor and equipment cost, and a column R showing subcontractor costs.

SoCalGas Response 1a:

Confirmed.

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Question 1b: Please confirm that for each row, the value in column P plus the value in column R plus the value in column Q equals the value in column S, which is denoted as the “subtotal”.

SoCalGas Response 1b:

Confirmed. Except for the rows that are not applicable such as “base projects” and “base labor.”

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Question 1c: Please confirm that each of the estimate sheets has a column T showing tax & freight costs and a column U that shows a “risk assessment” percentage, and a column V that shows a “risk assessment” amount.

SoCalGas Response 1c:

Confirmed.

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Question 1d: Please confirm that for each row the amount in column V is equal to the amount in column S plus the amount in column T times the percentage in column U.

SoCalGas Response 1d:

Confirmed.

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Question 1e: Please confirm that each of the estimate sheets has a column W which is denoted as “estimated costs.”

SoCalGas Response 1e:

Confirmed.

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Question 1f: Please confirm that for each row the amount in column W is equal to the amount in column S plus the amount in column T plus the amount in column V.

SoCalGas Response 1f:

Confirmed.

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Question 1g: Please confirm that each of the estimate sheets has a total amount shown at around row 385 that demonstrates the same relationships, that is, that the amount in cell W385 is equal to the amount in cell S385 plus the amount in cell T385 plus the amount in cell V385.

SoCalGas Response 1g:

SoCalGas interprets this question to pertain to the row labeled “TOTAL ESTIMATED PROJECT COST.”

Confirmed. Column W is a summation of Column S, T and V.

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Question 1h: Please confirm that the amount in cell S385 is the total amount of material, labor and equipment and subcontractor costs estimated for the entire project and that the amount in T385 is the total amount of tax and freight estimated for the entire project and the amount in V385 is the total amount of “risk assessment” for the entire project.

SoCalGas Response 1h:

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Question 1i: Please confirm that the following table provides a correct itemization for each pressure test and replacement project included in this application of the total amount of material labor & equipment (otherwise denoted as “subtotal”), the total amount of tax and freight, the total amount of “risk assessment”, the total estimated cost, and the ratio of the total estimate cost to the sum of “subtotal” amount and tax and freight.

Line No:	Total of "Subtotal" Column S	Total of "Tax & Freight" Column T	Total of "Risk Assessment" Column U	Total of "Estimated Costs" Column W	Column W/ (Column S+Column T)
Pressure Test Projects					
235 West Section 1	40,697,298	112,443	12,966,872	53,776,612	1.32
235 West Section 2	27,999,613	70,740	8,793,770	36,864,123	1.31
235 West Section 3	14,711,558	26,732	2,751,006	17,480,297	1.19
407	4,222,075	16,573	911,354	5,150,003	1.22
1011	4,283,534	9,960	873,096	5,166,590	1.20
2000 Chino Hills	35,054,132	244,160	10,036,941	45,335,233	1.28
2000 Section E	11,902,806	44,160	3,573,021	15,519,987	1.30
2000 Blythe toCactus City	40,500,474	184,969	11,159,612	51,845,056	1.27
2001 W Section C	22,261,148	162,586	5,774,691	28,198,425	1.26
2001 W Section D	27,180,000	110,000	4,780,000	32,070,000	1.18
2001 W Section E	13,145,741	49,961	2,423,041	15,618,743	1.18
225 North	12,674,974	90,026	3,406,586	16,717,587	1.31
1030	21,810,786	199,788	5,234,865	27,245,439	1.24
2001 West	7,486,190	53,389	1,801,467	9,341,045	1.24
2001 East	19,078,491	112,292	4,019,141	23,209,924	1.21
2005	2,849,375	25,179	763,476	3,638,030	1.27
Replacement Projects					
85 Elk Hills to Lake Station	70,023,415	2,206,172	16,720,485	88,905,451	1.23
36-9-09 North Section 12	9,200,000	100,000	1,600,000	9,800,000	1.05
36-9-09 North Section 14	18,300,000	200,000	3,500,000	22,000,000	1.19
36-9-09 North Section 15	13,000,000	100,000	2,500,000	15,600,000	1.19
36-9-09 North Section 16	16,200,000	20,000	3,400,000	19,800,000	1.22
36-1032 Section 11	8,100,000	0	1,400,000	9,600,000	1.19
36-1032 Section 12	24,600,000	400,000	4,300,000	29,300,000	1.17
36-1032 Section 13	15,900,000	200,000	3,600,000	19,600,000	1.22
36-1032 Section 14	12,900,000	100,000	2,300,000	15,300,000	1.18
44-1008	112,213,821	2,757,306	38,192,534	153,163,662	1.33
2001 East	2,990,663	15,930	810,793	3,817,386	1.27
5000	3,397,180	79,979	1,029,509	4,506,668	1.30

SoCalGas Response 1i:

Confirmed.

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Question 1j: Please confirm that the amounts in the “estimate” tab between rows 11 and 74 correspond to the estimated cost for the construction contractor to complete either replacement work, valve replacement work, or pressure test work and that only one of these types of projects is included in each of the project workbooks.

SoCalGas Response 1j:

Confirmed.

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Question 1k. Please confirm that the amount shown in column S of the “estimate” tab for each of the major bid categories, 1 through 18, corresponds to the total amount for that respective category shown in column AH of the “construction contractor” tab on those rows that correspond to the major bid categories marked in column B of the “construction contractor” tab with the numbers, 1, 2, 3...18.

SoCalGas Response 1k:

SoCalGas interprets “column AH” to mean “column AI.”

Confirmed. To clarify, column AI in the “construction contractor” tab is the basis for the bid items in column S in the “estimate” tab.

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Question 11: Please confirm that a portion of the total amount shown in column AH for the rows described in the previous question includes an amount for contractor indirects and markup.

SoCalGas Response 11:

Confirmed.

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2. Regarding the confidential workpapers provided in response to TURN-SCGC-001, Q.1 for Line 44-1008 at page 296 that state: “The level of California Environmental Quality Act (CEQA) review is expected to be EIR.”

Question 2a: When do the Applicants that the survey work and other document preparation would take place in preparation of the EIR review?

SoCalGas Response 2a:

The survey work and other documentation would commence as soon as the project is confirmed, after the alternatives to replacement are considered, as stated in page RDP-A53 in SCG-15.

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Question 2b: How long do the Applicants project would be required to complete this survey work and document preparation?

SoCalGas Response 2b:

Approximately 18 to 24 months.

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Question 2c: What do the Applicants project as the duration of the EIR review process?

SoCalGas Response 2c:

Approximately three years.

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Question 2d: Please explain the basis for the Applicants projections of the time required for environmental review.

SoCalGas Response 2d:

The Applicants' projections of the time required for environmental review is based on professional experience and consultation with outside environmental contractors.

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Question 2e: Do the Applicants expect that the EIR would result in a negative declaration?

SoCalGas Response 2e:

No.

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Question 2f: If the answer to the previous question is “yes,” please explain in detail the basis for that expectation.

SoCalGas Response 2f:
Not applicable.

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Question 2g: The total environmental survey/permitting/monitoring costs is shown on page 294 as amounting to \$8,272,413. What portion of this cost is associated with the EIR process versus the monitoring costs?

SoCalGas Response 2g:

EIR process costs = \$3,199,645

Monitoring costs = \$2,821,639

The remaining costs = \$2,251,129 includes:

- SoCalGas Environmental Services Company Labor
- Abatement and Hazardous Materials Management
- Mitigation Cost
- Closeout Cost

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3. Regarding the projected 225-day construction schedule for Line 44-1008 shown in the confidential workpapers provided in response to TURN-SCGC-001, Q.1 at page 292:

Question 3a: Approximately when during the 2021-2022 period is the construction projected to occur?

SoCalGas Response 3a:

Approximately 1st Quarter 2021 to 2nd Quarter 2022.

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Question 3b: Is the construction projected to occur evenly between 2021 and 2022 or is the projection of approximately \$43 million in construction costs during each of those years an attempt to normalize the cost of the project between the two years?

SoCalGas Response 3b:

It was an attempt to normalize the cost of the project between the two years.

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Question 3c: What is the basis for projecting the 225-day construction period for the project given that nearly 55 miles of pipeline will be replaced?

SoCalGas Response 3c:

The construction duration for Line 44-1008 was developed by identifying the project's unique characteristics based on the execution plan and scope of work. The unique project characteristics identified include directional drilling, environmental regulations, utility crossings, rights-of-way access, pipeline size, spoil locations, soil conditions, and critical path activities. The characteristics impact the project's productivity and activity durations. The project's activities are identified and a schedule is created following the critical path method. The critical path schedule duration for Line 44-1008 was estimated based on the identified characteristics and construction SME input to develop a total construction duration estimate of 225 days.

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4. With respect to the proposal to install 13.030 miles of replacement pipe on Line 85 as shown on page 191 of the confidential workpapers provided in response to TURN-SCGC-001, Q.1:

Question 4a: What is the total length of Line 85?

SoCalGas Response 4a:

Approximately 148 miles.

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Question 4b: The project proposes to replace 9.358 Phase 1B miles, 0.014 miles of Phase 2A, and 3.658 miles of incidental pipe. Are the remaining portions of Line 85 that are not covered by this project classified as Phase 1B under PSEP?

SoCalGas Response 4b:

Some of the remaining portions are Phase 1B.

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Question 4c: If the answer to the previous question is “no,” please identify the other PSEP categories that apply to these other portions of Line 85 and state how much line length corresponds to each category.

SoCalGas Response 4c:

Phase	Line 85 North	Line 85 South
Phase 1A	0	0
Phase 1B	46.419	14.281
Phase 2A	0	1.855
Phase 2B	6.866	0.008

Note: Mileage shown excludes non-PSEP miles. PSEP mileage totals are subject to change upon completion of scope validation efforts, and as future projects are executed.

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Question 4d: If the remaining portions of Line 85 are classified as Phase 1B under PSEP, why did the Applicants choose to address only a portion of the Phase 1B work in this application?

SoCalGas Response 4d:

The Line 85 project included in this application was judged to be one that could be designed, permitted, land rights acquired, and construction completed within this GRC period. Also, the section proposed to be replaced encompasses a Class 2 area.

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5. With respect to page 41 of the confidential workpapers provided in response to TURN-SCGC-001, Q.1, that discusses the assumptions for the pressure test project denoted Line 235-W Section 1:

Question 5a: The assumptions include the fabrication of 50 test heads for a pressure test project that involves 47 test segments. Does this assume that no test heads are reused once they have been removed from the pipe segment after the pressure test is completed?

SoCalGas Response 5a:

No.

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Question 5b: If the answer to the previous question is “yes,” please explain in the detail why the Applicants assume that no test heads can be reused.

SoCalGas Response 5b:

Not applicable.

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Question 5c: If the previous two questions were asked of the Applicants regarding any other of the pressure test projects, would the answers be the same?

SoCalGas Response 5c:

Yes, however, some projects only have one test section and, therefore, there is no need to reuse the test heads.

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Question 5d: If the answer to the previous question is “no,” please identify the pressure test project for which the answer would not be the same and explain why it would differ from the answers.

SoCalGas Response 5d:

Not applicable.

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Question 5e: Is the cost of the fabricating each test head for Line 235-W Section 1 estimated to be \$12,805 as shown in the “construction contractor” tab at cell AH46 divided by 50?

SoCalGas Response 5e:

Yes. For Line 235W Section 1, the unit cost for the test head is \$12,850 (direct cost without contingency, taxes, or freight).

See cell AH46 in “construction contractor” tab: $\$642,501/50 = \$12,850$

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Question 5f: Could the test heads for Line 235-W Section 1 be reused for the pressure test project Line 235-W Section 2 or Section 3?

SoCalGas Response 5f:

Test heads were assumed to be fabricated for each project as the exact sequencing of the projects has not yet been determined, and the preliminary schedule dictates the need for test heads for each project. While it is possible that these test heads may be reused between projects, test heads have a limited life cycle. A final schedule must be developed prior to determining the availability of test heads for reuse. Further, the condition of the test heads will also determine the feasibility of reuse.

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Question 5g: If the answer to the previous question is “no,” please explain the reasons why the test heads could not be reused on another related pressure test project.

SoCalGas Response 5g:

See the response to question 5f above.