

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY**

**APPLICATION FOR REVIEW OF COSTS INCURRED IN EXECUTING
PIPELINE SAFETY ENHANCEMENT PLAN (PSEP)
(A.18-11-010)**

(CalPA Data Request-15)

Date Requested: February 26, 2019

Date Responded: March 12, 2019

The following questions pertain to SoCalGas' and SDG&E's response to Cal PA's data request CalPA-SCG-12 and its attachment "CalPA DR-12_Q02 CONFIDENTIAL 2018RR Project Data (highlighted).xlsx" (The Excel Spreadsheet). This Excel Spreadsheet, marked "Confidential", was provided by SoCalGas and SDG&E on February 22, 2019.

QUESTION 01: [This question contains information identified by SoCalGas and SDG&E as confidential.] The following question is regarding SoCalGas' and SDG&E's project 31-09. A snapshot of three of the five segments in the project are shown below:

Project	Type	Original SMYS	Engineering Start Point	Engineering End point	Maximum Allowable Pressure (MAOP) (a separate row for each distinctive pressure value)	Hoop Stress Corresponding to the MAOP as listed in Column L (a separate row for each distinctive hoop stress value)	Wall Thickness (a separate row for each distinctive measured value)	Diameter (a separate row for each distinctive measured value)	Specified Minimum Yield Strength (SMYS) according to the manufacturer (a separate row for each distinctive SMYS entry)
		% ¹	ft.	ft.	psig	psi	inch	inch	psi
31-09	T								
31-09	T								
31-09	T								

According to the Barlow's formula, which states that $S = PD/2t$

Where S is the hoop stress (psi), P is the internal pressure (psig), D is the diameter (inch), and t is the wall thickness (inch). The percentage SMYS would then be $\% \text{ SMYS} = S/\text{SMYS}$.

Based on the information provided by SoCalGas and SDG&E, the Public Advocates Office has calculated that, for each of these three pipe segments,

$$\% \text{ SMYS} = \frac{S}{\text{SMYS}}$$

= [REDACTED] SMYS

However, SoCalGas and SDG&E identified the original SMYS of those segments as [REDACTED] SMYS." Please explain how SoCalGas and SDG&E calculated the percentage SMYS of these pipe segments to be [REDACTED].

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RESPONSE 01:

The question and attachment include Confidential and Protected Materials provided pursuant to PUC Section 583, GO 66-D, D.17-09-023, the accompanying declaration, and/or non-disclosure agreement.

SoCalGas/SDG&E calculated percent SMYS according to CFR 192. The percentage SMYS was rounded to a whole number; [REDACTED] rounds to [REDACTED].