



**Gas Sample Form No. 79-1209A-1**  
Preliminary Engineering Study - Attachment A-1

Sheet 1

(N)

(N)

**Please Refer to Attached  
Sample Form**

(Continued)

*Advice* 4366-G  
*Decision* 20-12-031

*Issued by*  
**Robert S. Kenney**  
*Vice President, Regulatory Affairs*

*Submitted* January 20, 2021  
*Effective* February 19, 2021  
*Resolution* \_\_\_\_\_

## PRELIMINARY ENGINEERING STUDY - ATTACHMENT A-1

Utility will provide the Company with a report that provides a Preliminary Engineering Study ("PES") requested by the Company for construction of necessary facilities as described below (the "Services") following completion of an Interconnection Screening Study for the same location and less than or equal to the maximum volume / flow rate that will be the basis for this PES.

Utility proposes to analyze the impact on its gas transmission system of receiving \_\_\_\_\_ minimum, average and maximum, respectively, \_\_\_\_\_ thousand Standard cubic feet per day (MScfd) on a 1/24<sup>th</sup> ratable hourly basis of new supply at \_\_\_\_\_, California, on a () Displacement and/or an () Expansion Receipt Point Capacity basis and identify any system improvements necessary to accept this newsupply.

The cost estimate calculated by Utility will include, but not be limited to, land acquisition, site development, right-of-way, metering, gas quality, permitting, regulatory, environmental, unusual construction costs, and, if applicable, operating and maintenance costs for any facility improvements, accurate to +100% / -50% based on a site visit and route evaluation for the Company's project. The findings and estimate will not constitute a proposal by Utility. Utility will not have performed a specific site or route evaluation for the Company's project in the development of this estimate. Other service costs associated with construction of the Interconnector's Facility that are not part of already offered services could include, but not be limited to, engineering, consulting, contracting, construction costs, and environmental studies.

Utility's construction costs continue to rise with increasing costs of labor and materials. Since the PES is developed using average historical project cost data, it is highly likely that the actual construction costs for the Company's particular project will vary significantly from the PES. Utility urges the Company to retain the services of a third-party engineering construction firm or enter into a Detailed Engineering Study with Utility to develop a more accurate construction cost estimate for this specific project.

Because of the exclusions and limitations of this initial review, Utility does not recommend that the Company use the PES for any other purpose, including any substantive planning or other decisions regarding the cost or viability of its project, except to further evaluate Company's project via a Utility Detailed Engineering Study. Any use by the Company is solely at its own risk and should factor in the above risks and limitations.



# PRELIMINARY ENGINEERING STUDY - ATTACHMENT A-1

A report that summarizes the results of Utility's analyses, identifies the study parameters, assumptions, limitations and the estimated construction costs of any facility improvements, evaluates whether the Interconnection Screening Study identified pipeline system has sufficient physical Takeaway Capacity to safely accommodate Company's specified maximum volume / flow rate on a ratable 1/24<sup>th</sup> hourly basis, Utility pipeline routing recommendation using Utility's rights-of-way, identification of the then current maximum allowable operating pressure and, if available, the operating pressures of the Utility's receiving pipeline system and potential pipeline route obstructions as determined by the Utility's physical observations will be provided to the Company.

The estimated cost to perform the Services is \$\_\_\_\_\_. Utility will complete the analysis within \_\_\_\_\_business days after receipt and Utility posting of payment.

Payment in full of the estimated cost of the Services is required upon execution of an Attachment A1 to proceed with the analysis. The Company will be responsible for the actual costs of the Services; to this end, an invoice or refund will be issued to the Company at the completion for any difference between the actual costs and this estimate.

Capitalized terms used but not defined in this Attachment have the meaning ascribed to them in Utility's Tariff Rule No. 29.

Accepted and agreed to by their respective authorized representatives:

## Pacific Gas and Electric Company

_____	_____
<i>Signature</i>	<i>Company Name</i>
_____	_____
<i>Print Name</i>	<i>Signature</i>
_____	_____
<i>Title</i>	<i>Print Name</i>
_____	_____
<i>Date</i>	<i>Title</i>
_____	_____
<i>Date</i>	<i>Date</i>