

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



Southern California Gas Company
GAS (Corp ID 904)
Status of Advice Letter 5697G
As of October 27, 2020

Subject: Establishment of Rule No. 45, Standard Renewable Gas Interconnection Tariff in Compliance with Decision (D.) 20-08-035.

Division Assigned: Energy

Date Filed: 09-28-2020

Date to Calendar: 10-02-2020

Authorizing Documents: D2008035

Disposition:	Accepted
Effective Date:	10-28-2020

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Ray Ortiz

213-244-3837

ROrtiz@socalgas.com

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)
- Effective Date of Filing
- Other Miscellaneous Information (e.g., Resolution, if applicable, etc.)

The Energy Division has made no changes to your copy of the Advice Letter Filing; please review your Advice Letter Filing with the information contained in the AL status certificate, and update your Advice Letter and tariff records accordingly.

All inquiries to the California Public Utilities Commission on the status of your Advice Letter Filing will be answered by Energy Division staff based on the information contained in the Energy Division's PAL database from which the AL status certificate is generated. If you have any questions on this matter please contact the:

Energy Division's Tariff Unit by e-mail to
edtariffunit@cpuc.ca.gov



Ronald van der Leeden
Director
Regulatory Affairs

555 W. Fifth Street, GT14D6
Los Angeles, CA 90013-1011
Tel: 213.244.2009
Fax: 213.244.4957
RvanderLeeden@socalgas.com

September 28, 2020

Advice No. 5697
(U 904 G)

Public Utilities Commission of the State of California

Subject: Establishment of Rule No. 45, Standard Renewable Gas Interconnection Tariff in Compliance with Decision (D.) 20-08-035

Southern California Gas Company (SoCalGas) hereby submits for approval with the California Public Utilities Commission (Commission) a new Rule No. 45, Standard Renewable Gas Interconnection Tariff (SRGI Tariff) applicable throughout its service territory, and other tariff revisions as shown in Attachment A.

Purpose

The purpose of this Advice Letter (AL) is to adopt the SRGI Tariff pursuant to Ordering Paragraph (OP) 2 of D.20-08-035 and update SoCalGas' Rule No. 30, Transportation of Customer-Owned Gas, and Rule No. 39, Access to the SoCalGas Pipeline System to reflect language that incorporates the SRGI Tariff.

Background

On July 5, 2018, Assigned Commissioner Rechtschaffen issued an Amended Scoping Memo and Ruling (Scoping Memo) in the Order Instituting Rulemaking to Adopt Biomethane Standards and Requirements, Pipeline Open Access Rules, and Related Enforcement Provisions (Biomethane OIR) (R.13-02-008). The Scoping Memo identified the interconnection process as a potential barrier to entry for the biomethane industry. Currently, each gas utility has a different tariff and agreement for interconnection to its gas pipeline system, which adds complexity for project developers. The Scoping Memo directed the Joint Utilities to "jointly file a proposed standard

biomethane interconnection tariff and proposed standard pro forma interconnection forms within 90 days of the scoping memo.”¹

On August 22, 2019, the Assigned Commissioner extended the deadline for producing the proposed standard biomethane interconnection tariff to November 1, 2019 and directed that the tariff be designated as the Standard Renewable Gas Interconnection Tariff (SRGI Tariff), in the view of the likelihood that the Commission would permit other renewable gases besides biomethane to be included in pipeline gas. Pursuant to the extension of the order, on November 1, 2019, Pacific Gas and Electric Company, San Diego Gas and Electric Company, SoCalGas, and Southwest Gas (Joint Utilities) filed a draft SRGI Tariff. On November 13, 2019, Energy Division held a public workshop to solicit public comment on the proposed SRGI Tariff. Comments on the proposed SRGI Tariff were received on November 21, 2019 and reply comments were received on November 26, 2019.

On July 27, 2020, Commissioner Rechtschaffen issued a proposed decision adopting the SRGI Tariff. Comments on the proposed decision were received on August 16, 2020 and reply comments were received on August 24, 2020. On August 27, the Commission adopted the SRGI Tariff under D. 20-08-035. Pursuant to OP 2 of D.20-08-035, SoCalGas is required to submit a Tier 2 AL adopting the SRGI Tariff.

Further, D.19-12-009, Decision Establishing a Reservation System for the Biomethane Incentive Program, Extending Date and Addressing Rate Recovery for Pipeline Interconnection Infrastructure, in the Biomethane OIR implements an Incentive Reservation System for the biomethane monetary incentive program. The biomethane monetary incentive program provides up to \$3 million for non-dairy clusters and \$5 million for dairy clusters that successfully interconnect with the natural gas pipeline system and operate by December 31, 2026. The Incentive Reservation System allows project developers to reserve incentive funds during the development of a project and receive funds once the project is interconnected and operating. OP 11 of D.19-12-009 states:

“The Utilities will include the process to receive the Incentive Reservation in any Standard Renewable Gas Tariff that publishes.”

Pursuant to OP 11 of D.19-12-009, SoCalGas includes the Incentive Reservation process in the SRGI Tariff.

¹ July 5, 2018 Scoping Memo at 7.

New Rule No. 45 – SRGI Tariff

SoCalGas includes as Attachment A its SRGI Tariff as Rule No. 45 reflecting, where provided, the substitution of SoCalGas' tariff rule numbers and titles where applicable, addition of a title to the table of contents as well as the word "Standard" before "Renewable Gas Interconnections to the Utility's Pipeline System," and adding the process to receive the biomethane incentive reservation process required by D.19-12-009.

Requested Revisions

SoCalGas also includes as Attachment A revisions, reflecting their incorporation into the SRGI Tariff, to its existing Rule No. 39 and Rule No. 30. Rule No. 39 deletes the monetary incentive section except for a reference to the SRGI Tariff Section I Costs, 5. Incentive Programs. Rule No. 30 J. Biomethane Delivery Specifications is renamed J. Renewable Gas Delivery Specifications and is deleted except for J.2., which replaces biomethane with renewable gas, and references to Section J. with references to SRGI Tariff Section K.

Protests

Anyone may protest this AL to the Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and must be received within 20 days of the date of this AL, which is October 18, 2020. The address for mailing or delivering a protest to the Commission is:

CPUC Energy Division
Attn: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of the Energy Division Tariff Unit (EDTariffUnit@cpuc.ca.gov). Due to the COVID-19 pandemic and the shelter at home orders, SoCalGas is currently unable to receive protests or comments to this AL via U.S. mail or fax. Please submit protests or comments to this AL via e-mail to the e-mail address shown below on the same date it is mailed or e-mailed to the Commission.

Attn: Ray B. Ortiz
Tariff Manager - GT14D6
555 West Fifth Street
Los Angeles, CA 90013-1011
Facsimile No.: (213) 244-4957
E-mail: ROrtiz@socalgas.com

Effective Date

SoCalGas believes that this submittal is subject to Energy Division disposition, and should be classified as Tier 2 (effective after staff approval) pursuant to General Order (GO) 96-B. SoCalGas respectfully requests that this submittal be approved on October 28, 2020, which is 30 calendar days from the date submitted.

Notice

A copy of this AL is being sent to SoCalGas' GO 96-B service list and the Commission's service list in R.13-02-008. Address change requests to the GO 96-B service list should be directed via e-mail to tariffs@socalgas.com or call 213-244-2837. For changes to all other service lists, please contact the Commission's Process Office at 415-703-2021 or by e-mail at Process_Office@cpuc.ca.gov.

/s/ Ronald van der Leeden
Ronald van der Leeden
Director – Regulatory Affairs

Attachments



ADVICE LETTER SUMMARY

ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.:

Utility type:

ELC GAS WATER
 PLC HEAT

Contact Person:

Phone #:
E-mail:
E-mail Disposition Notice to:

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas WATER = Water
PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #:

Tier Designation:

Subject of AL:

Keywords (choose from CPUC listing):

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #:

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL:

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date:

No. of tariff sheets:

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected:

Service affected and changes proposed¹:

Pending advice letters that revise the same tariff sheets:

¹Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name:
Title:
Utility Name:
Address:
City: State:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Name:
Title:
Utility Name:
Address:
City: State:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

ATTACHMENT A
Advice No. 5697

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 58037-G	Rule No. 30, TRANSPORTATION OF CUSTOMER-OWNED GAS, Sheet 22	Revised 56331-G
Revised 58038-G	Rule No. 30, TRANSPORTATION OF CUSTOMER-OWNED GAS, Sheet 23	Revised 56663-G
Revised 58039-G	Rule No. 39, ACCESS TO THE SOCALGAS PIPELINE SYSTEM, Sheet 1	Revised 57279-G
Revised 58040-G	Rule No. 39, ACCESS TO THE SOCALGAS PIPELINE SYSTEM, Sheet 2	Revised 53712-G
Revised 58041-G	Rule No. 39, ACCESS TO THE SOCALGAS PIPELINE SYSTEM, Sheet 3	Revised 53713-G
Revised 58042-G	Rule No. 39, ACCESS TO THE SOCALGAS PIPELINE SYSTEM, Sheet 4	Revised 51965-G
Original 58043-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 1	
Original 58044-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 2	
Original 58045-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 3	
Original 58046-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 4	
Original 58047-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 5	
Original 58048-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 6	
Original 58049-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 7	
Original 58050-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 8	
Original 58051-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 9	
Original 58052-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 10	
Original 58053-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 11	
Original 58054-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 12	
Original 58055-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 13	
Original 58056-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 14	
Original 58057-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 15	
Original 58058-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 16	
Original 58059-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 17	

ATTACHMENT A
Advice No. 5697

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Original 58060-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 18	
Original 58061-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 19	
Original 58062-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 20	
Original 58063-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 21	
Original 58064-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 22	
Original 58065-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 23	
Original 58066-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 24	
Original 58067-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 25	
Original 58068-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 26	
Original 58069-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 27	
Original 58070-G*	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 28	
Original 58071-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 29	
Original 58072-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 30	
Original 58073-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 31	
Original 58074-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 32	
Original 58075-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 33	
Original 58076-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 34	
Original 58077-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 35	
Original 58078-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 36	
Original 58079-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 37	
Original 58080-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 38	
Original 58081-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 39	
Original 58082-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 40	
Original 58083-G	Rule No. 45, STANDARD RENEWABLE GAS INTERCONNECTION, Sheet 41	

ATTACHMENT A
Advice No. 5697

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 58084-G Original 58085-G	TABLE OF CONTENTS TABLE OF CONTENTS	Revised 57939-G
Revised 58086-G	TABLE OF CONTENTS	Revised 58031-G

TRANSPORTATION OF CUSTOMER-OWNED GAS

(Continued)

J. Renewable Gas Delivery Specifications

- 1. Renewable Gas delivered, except as defined in Section I.1, must meet the gas quality specifications set out in Section I and the renewable gas-specific specifications set out in the Standard Renewable Gas Interconnections to the Utility's Pipeline System Rule No. 45 Section K Renewable Gas Quality and Specifications. The terms and conditions contained in Section J apply solely to suppliers of renewable gas and are incremental to Section I's gas quality requirements for their entire gas deliveries if renewable gas is a part of supplier's deliveries.

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K. Termination or Modification

- 1. If the customer breaches any terms and conditions of service of the customer's service agreement or the applicable tariff schedules and does not correct the situation within thirty (30) days of notice, the Utility shall have the right to cease service and immediately terminate the customer's applicable service agreement.
- 2. If the contract is terminated, either party has the right to collect any quantities of gas or money due them for transportation service provided prior to the termination.

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L. Regulatory Requirements

- 1. Any gas transported by the Utility for the customer which was first transported outside the State of California shall have first been authorized under Federal Energy Regulatory Commission (FERC) regulations, as amended. Both parties recognize that such regulations only apply to pipelines subject to FERC jurisdiction, and do not apply to the Utility. The customer shall not take any action which would subject the Utility to the jurisdiction of the FERC, the Economic Regulatory Administration or any succeeding agency. Any such action shall be cause for immediate termination of the service arrangement between the customer and the Utility.
- 2. Transportation service shall not begin until both parties have received and accepted any and all regulatory authorizations necessary for such service.

M. Warranty and Indemnification

- 1. The customer warrants to the Utility that the customer has the right to deliver gas hereunder and that such gas is free from all liens and adverse claims of every kind. Customer will indemnify, defend and save the Utility harmless against all loss, damage, injury, liability and expense of any character where such loss, damage, injury, liability or expense arises directly or indirectly out of any demand, claim, action, cause of action or suit brought by any person, association or entity asserting ownership of or any interest in the gas tendered for transportation hereunder, or on account of royalties, payments or other charges applicable before or upon delivery of gas hereunder.

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(Continued)

(TO BE INSERTED BY UTILITY)
ADVICE LETTER NO. 5697
DECISION NO. 20-08-035

ISSUED BY
Dan Skopec
Vice President
Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
SUBMITTED Sep 28, 2020
EFFECTIVE Oct 28, 2020
RESOLUTION NO. _____

TRANSPORTATION OF CUSTOMER-OWNED GAS

(Continued)

M. Warranty and Indemnification (Continued)

2. The customer shall indemnify, defend and save harmless the Utility, its officers, agents, and employees from and against any and all loss, costs (including reasonable attorneys' fees), damage, injury, liability, and claims for injury or death of persons (including any employee of the customer or the Utility), or for loss or damage to property (including the property of the customer or the Utility), which occurs or is based upon an act or acts which occur while the gas is deemed to be in the customer's control and possession or which results directly or indirectly from the customer's performance of its obligations arising pursuant to the provisions of its service agreement and the Utility's applicable tariff schedules, or occurs based on the customer-owned gas not meeting the specifications of Sections I or J of this rule.

N. Temporary Settlement Term

1. The Sections of this Rule italicized and followed by an asterisk (*) are temporary and will end when an adopted decision is issued in SoCalGas' next Triennial Cost Allocation Proceeding.

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(TO BE INSERTED BY UTILITY)

ADVICE LETTER NO. 5697
DECISION NO. 20-08-035

23C20

ISSUED BY

Dan Skopec
Vice President
Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)

SUBMITTED Sep 28, 2020
EFFECTIVE Oct 28, 2020
RESOLUTION NO. _____

ACCESS TO THE SOCALGAS PIPELINE SYSTEM

The Utility shall provide nondiscriminatory open access to its system to any party (hereinafter “Interconnector”) for the purpose of physically interconnecting with the Utility and effectuating the delivery of natural gas, subject to the terms and conditions set forth in this Rule and the applicable provisions of the Utility’s other tariff schedules including, but not limited to, the gas quality requirements set forth in Rule No. 30, Section I. None of the provisions in this Rule shall be interpreted so as to unduly discriminate against or in favor of gas supplies coming from any source.

A. Terms of Access

1. The interconnection and physical flows shall not jeopardize the integrity of, or interfere with, normal operation of the Utility’s system and provision of service to its customers.
2. The Interconnector and Utility must execute Form No. 6450, Interconnection Agreement (IA) and Form No. 6435, Operational Balancing Agreement (OBA). If the Interconnector is a California Producer without an effective agreement providing for access to the Utility’s system, then that Interconnector and the Utility must execute Form No. 6454, California Producer Interconnection Agreement (CPIA) and Form No. 6452, California Producer Operational Balancing Agreement (CPOBA).
3. The Interconnector shall pay for all equipment necessary to effectuate deliveries at point of interconnection, including, but not limited to, valves, separators, meters, quality measurement, odorant and other equipment necessary to regulate and deliver gas at the interconnection point. The Interconnector shall also pay for computer programming changes to the Utility’s Electronic Bulletin Board (EBB) scheduling system, if any, required to add the Interconnector’s new interconnection point. The Interconnector and the Utility must execute Form No. 6430, Exhibit D, Interconnect Collectible System Upgrade Agreement or Form 6456, Exhibit C, California Producer Interconnect Collectible System Upgrade Agreement (CPICSUA).
 - a. The Utility shall provide a monetary incentive to eligible Interconnectors pursuant to the Standard Renewable Gas Interconnection to the Utility’s Pipeline System Section I Costs, 5. Incentive Programs of Rule No. 45.

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(Continued)

(TO BE INSERTED BY UTILITY)
 ADVICE LETTER NO. 5697
 DECISION NO. 20-08-035

ISSUED BY
Dan Skopec
 Vice President
 Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
 SUBMITTED Sep 28, 2020
 EFFECTIVE Oct 28, 2020
 RESOLUTION NO. _____

ACCESS TO THE SOCALGAS PIPELINE SYSTEM

(Continued)

A. Terms of Access (Continued)

4. The point of interconnection shall be established as a transportation scheduling point, pursuant to the provisions of Rule No. 30, if the Interconnector abides by the standards of the North American Energy Standards Board.
5. The maximum physical capacity of the interconnection will be determined by the sizing of the point of receipt, including the metering and odorization capacities, but is not the capacity of the Utility's pipeline system to transport gas away from the interconnection point and is not, nor is it intended to be, any commitment by the Utility of takeaway capacity. The Utility separately provides takeaway services, including the option to expand system capacity to increase takeaway services, through its otherwise applicable tariffs.
6. The available receipt capacity for any particular day may be affected by physical flows from other points of receipt, physical pipeline and storage conditions for that day, and end-use demand on the Utility's system.
7. The Utility will expand specific receipt point capacity and/or takeaway capacity at the request and expense of a supply source, third party storage providers, CPUC-regulated intrastate pipelines, interconnecting interstate pipelines, or other parties. The Interconnector and the Utility must execute a Collectible System Upgrade Agreement (Form 6420) prior to any work being completed.
8. As defined in an IA, the Interconnector shall pay all costs associated with the odorant of the delivered natural gas less the historical costs, on a per unit basis; the Utility has paid for odorant required for existing interstate supplies being delivered as of the date of D.06-09-039. The historical cost is \$0.0003 per Dth. As defined in a CPIA (Form 6454), the Interconnector shall pay all costs associated with the odorization of the delivered natural gas.
9. An Interconnector that is a California Producer that currently has, or will be requesting, access to the Utility's transportation system or is presently interconnected to the Utility without a gas chromatograph and all related equipment, communications facilities and software shall fund Utility installation of a gas chromatograph and all related equipment, communications facilities and software for the purpose of gathering data and monitoring and enforcing gas quality, as specified in Rule No. 30. Refusal on the part of a California Producer to accept these conditions will result in the denial of access to the Utility's transportation system.

(Continued)

(TO BE INSERTED BY UTILITY)
ADVICE LETTER NO. 5697
DECISION NO. 20-08-035

ISSUED BY
Dan Skopec
Vice President
Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
SUBMITTED Sep 28, 2020
EFFECTIVE Oct 28, 2020
RESOLUTION NO. _____

ACCESS TO THE SOCALGAS PIPELINE SYSTEM

(Continued)

B. Interconnection Capacity Studies

1. Any party, including an interconnecting pipeline or a supply source, may request an Interconnection Capacity Study to determine the Utility's downstream capability to take natural gas away from the interconnection point and the associated Utility facility enhancement costs. Upon the request of an entity to establish or increase takeaway capacity from a receipt point, the Utility will make a timely determination of the facilities (and facility modifications) and associated costs that are required to add the requested takeaway capacity on both a Displacement Receipt Point Capacity basis and Expansion Receipt Point Capacity basis. The Utility shall make this determination on a nondiscriminatory and transparent basis, without favoring any region of its territory and without favoring any entity.
2. All analyses shall take into consideration new supplies and facilities that have been or will be installed pursuant to a previously executed Collectible System Upgrade Agreements (CSUA) in effect. Priority for purposes of determining facility costs will be established on the basis of the date a party executes a CSUA. The CSUA shall include the activities from initial study through construction under terms mutually agreeable to the Utility and the party in Appendix "B" to the CSUA. In order to keep its place in the priority established by D.06-12-031 for determining facilities costs, an Appendix "B" must be completed within 90 days of the Commission Resolution approving Advice Letter 3706-A. The Utility shall maintain a queue of executed CSUAs with completed Appendix "B", including project milestones and completion dates. Any CSUA party will be subject to replacement in the queue if any date for performance within its CSUA has expired. The Utility will be provided a 30-day notice of cancellation and allow for a subsequent 60-day period to cure any non-performance. The Utility will file an Advice Letter for Commission approval to re-order the queue due to the non-performance of a CSUA holder.
3. Any party interested in funding an Interconnection Capacity Study must submit a written request for access, which includes where and when the new supply will be delivered to the Utility and the volume required to be received. Within 30 business days, the Utility will provide a written proposal to the party to evaluate the system impact of the new supplies including the estimated time and cost to perform this analysis. For California Producers, the Utility will provide a $\pm 20\%$ cost estimate for the capacity study, but in any event Interconnector is responsible to pay for the entire actual cost of the capacity study.
4. The party and the Utility must execute a Consulting Services Agreement (Form 6440) or Collectible System Upgrade Agreement (Form 6420) and Confidentiality Agreement (Form 6410) prior to any work being completed and provide payment equal to the estimated cost of the Interconnection Capacity Study prior to the Utility proceeding with the Interconnection Capacity Study. The party will be responsible for the actual costs of the analysis; to this end, an invoice or refund will be issued to the supplier at the completion of the analysis for any difference between the actual costs and the estimate.

(Continued)

(TO BE INSERTED BY UTILITY)
ADVICE LETTER NO. 5697
DECISION NO. 20-08-035

ISSUED BY
Dan Skopec
Vice President
Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
SUBMITTED Sep 28, 2020
EFFECTIVE Oct 28, 2020
RESOLUTION NO. _____

Rule No. 39

Sheet 4

ACCESS TO THE SOCALGAS PIPELINE SYSTEM

(Continued)

B. Interconnection Capacity Studies (Continued)

5. The cost estimate provided in the Interconnection Capacity Study will not include cost estimates for land acquisition, site development, right-of-way, metering, gas quality, permitting, regulatory, environmental, unusual construction costs, and operating and maintenance costs. Upon completion of the Interconnection Capacity Study and for an additional charge, the Utility will perform a more detailed Preliminary Engineering Study that will include such cost estimates associated with these elements, if requested by the party in writing. As with the Interconnection Capacity Study, the party will be responsible for the actual costs to perform the Preliminary Engineering Study.
6. In addition, upon formal written request by any party, the Utility will prepare a Detailed Engineering Study, which will: (1) describe all costs of construction, (2) develop complete engineering construction drawings, and (3) prepare all construction and environmental permit applications and right-of-way acquisition requirements. The party shall pay an estimated charge before the Utility will begin the Detailed Engineering Study. As with the Interconnection Capacity Study, the party will be responsible for the actual costs to perform the Detailed Engineering Study.
7. Customers will have three funding options for increasing receipt point capacity. First, a customer may elect to pay 100% of the costs, including applicable CIAC taxes, to the Utility to complete the installation of the necessary facility without any refund of the advanced funds and not be charged an incremental reservation rate on a going forward basis. Second, a customer may elect to pay 100% of the costs to the Utility to complete the installation of the necessary facility, receive a refund of those advanced funds after gas first flows through the receipt point, and be charged an incremental reservation rate on a going forward basis. Third, a customer may elect to install the necessary facility themselves under the direction of the Utility, transfer ownership of the necessary facilities, along with any payment of applicable CIAC taxes, and not be charged incremental reservation rate on a going forward basis.

(TO BE INSERTED BY UTILITY)

ADVICE LETTER NO. 5697
DECISION NO. 20-08-035

4C17

ISSUED BY

Dan Skopec
Vice President
Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)

SUBMITTED Sep 28, 2020
EFFECTIVE Oct 28, 2020

RESOLUTION NO. _____

Rule No. 45

Sheet 1

STANDARD RENEWABLE GAS INTERCONNECTION

Standard Renewable Gas Interconnections to the Utility’s Pipeline System

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B. Definitions

The definitions set forth in this Section B of this Rule shall only apply to this Rule and may not apply to Utility's other tariffs. Certain words beginning with capital letters that are not defined in this Rule may be defined in SoCalGas' Rule 1 and Rule 30 or as approved by Energy Division.

1. **Alternative Dispute Resolution (ADR)**
Processes administered by the Administrative Law Judge (ALJ) Division of the Commission to help disputants resolve a conflict without a formal decision by a court or agency.
2. **Biogas**
Gas produced from the anaerobic decomposition of organic material.
3. **Biomethane**
Biogas that has been conditioned or upgraded to comply with this Rule's gas quality specifications. Biomethane does not include Biogas collected from a hazardous waste facility, as defined in California Health & Safety Code § 25117.
4. **Blending**
Utility pipeline mixing with other pipeline gas to dilute conditioned or upgraded Raw Product Gas or Biogas that does not meet all gas specifications at the Interconnection Point to achieve pipeline gas quality specifications as required under the Pipeline Blending Exception Study.
5. **British Thermal Unit (Btu)**
The standard unit for measuring a quantity of thermal energy. One Btu equals the amount of thermal energy required to raise the temperature of one pound of water one-degree Fahrenheit and is exactly defined as equal to 1,055.05585262 joule, rounded to 1,055.056 joule. A joule is equal to one watt-second.
6. **Btu District**
A physically identifiable area of the gas transmission and/or distribution system in which the heating value of the Gas is measured and is representative of the entire area.
7. **California Producer or Production**
An entity which interconnects with the Utility's pipeline system to deliver Gas produced in California.
8. **CARB**
California Air Resources Board of the California Environmental Protection Agency.

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B. Definitions (Continued)

9. CARB/OEHHA Report

The report entitled Recommendations to the California Public Utilities Commission Regarding Health Protective Standards for the Injection of Renewable Natural into the Common Carrier Pipeline, prepared by Staff of the California Air Resources Board and the Office of Health Hazard Assessment. The CARB/OEHHA Report was submitted in Rulemaking (R.)13-02-008 and adopted in Decision (D.) 14-01-034.

10. Commission (CPUC)

The Public Utilities Commission of the State of California, sometimes referred to as the Public Utilities Commission (PUC), CPUC, or Commission.

11. Conditioning or Upgrading

The removal of non-compliant components from Biogas or Raw Product Gas, or the addition of other gases, in order to meet Utility pipeline quality gas specifications. Blending is not considered to be a form of Conditioning or Upgrading.

12. Conditioning or Upgrading Facilities

Interconnector's Facilities used for Conditioning and Upgrading.

13. Constituent of Concern (Constituent)

A chemical or compound that may negatively impact the Merchantability of Renewable Gas.

14. Day(s)

Refers to calendar day(s) unless otherwise stated.

15. Displacement Receipt Point Capacity

Utility pipeline system improvements which increase the takeaway capacity from a Receipt Point but do not increase the overall downstream capacity of the Utility's pipeline system. The addition of Displacement Receipt Point Capacity increases the ability of the Utility to receive gas from a particular Receipt Point or zone in competition with other gas supplies delivered into the Utility's pipeline system.

16. End Use Customer (Customer)

Ultimate consumer of gas using Utility intrastate transportation services on either a bundled, commodity and intrastate transportation basis or an intrastate transportation only basis.

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(Continued)

B. Definitions (Continued)

17. Expansion Receipt Point Capacity

Utility pipeline system improvements which increase the takeaway capacity from a Receipt Point and the overall downstream capacity of the Utility's pipeline system.

18. Gas

Any mixture of combustible and non-combustible gases used to produce heat by burning that can be accepted into a Utility pipeline without any compromise to operational safety or integrity. It shall include, but not be limited to, natural gas, renewable gas, biomethane, manufactured gas, or a mixture of any or all of the above. It shall meet the Utility's quality specifications, tariffs, rules, and other applicable regulations.

19. Group 1 Compound

Any Health Protective Constituent with a concentration below the Trigger Level.

20. Group 2 Compound

Any Health Protective Constituent with a concentration at or above the Trigger Level.

21. Hazardous Waste Landfill

For the purposes of this Rule, Hazardous Waste Landfill shall be given the same definition as provided in the California Health and Safety Code, including facilities permitted by the California Department of Toxic Substances Control.

22. Health Protective Constituents

1. Carcinogenic (cancer risk): Any Constituent determined by the State of California to cause cancer, as listed below in Table 1, Maximum Constituent Concentrations.
2. Non-carcinogenic (non-cancer risk or chronic risk): Any Constituent determined by the State of California to cause non-cancer health risk, as listed below in Table 1, Maximum Constituent Concentrations.

23. Heating Value

Total heating value of the gas normally measured on a gross dry higher heating value (HHV) basis (unless otherwise specified), and is defined as the number of British Thermal Units (Btu) evolved by the complete combustion, at constant pressure, of one standard cubic foot of gas with air, the temperature of the gas, air and products of combustion being 60 degrees Fahrenheit and all of the water formed by the combustion reaction being condensed to the liquid state.

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B. Definitions (Continued)

N

24. Integrity Protective Constituents

Constituents that may impact the integrity of the Utility's pipeline system as listed in Table 1 Maximum Constituent Concentrations.

25. Interconnect Capacity

The metering, regulation and odorization daily capacity of the Utility Facilities, which is not necessarily the Takeaway Capacity and is not, nor is it intended to be, any commitment by Utility of Takeaway Capacity.

26. Interconnection Point

The point where the Utility Facilities and Interconnector's Facilities physically interconnect for delivery of Gas by Interconnector to, and receipt thereof by, Utility.

27. Interconnector's Facilities

The Gas pipeline facilities constructed and operated by an Interconnector up to the Interconnection Point.

28. Issued for Construction (IFC)

Drawings and documents which are used for construction work and activities.

29. Local Government Entity Renewable Gas Interconnector (Government Entity)

A city or county as defined by Article XI of the California Constitution.

30. Lower Action Level

The concentration or measured value of a Constituent, used to screen Renewable Gas during the initial gas quality review and ongoing periodic testing, requiring a shut-off of Renewable Gas supply if exceeded three times in a 12-month period.

31. Merchantability

The ability to purchase, sell, or market Gas. The Gas shall not contain dust, sand, dirt, gums, oils, microbes, bacteria, pathogens and/or other substances at levels that would be injurious to Utility facilities or which would present a health and/or safety hazard to Utility employees, customers, and/or the public or that would cause Gas to be unmarketable.

32. Million Standard cubic feet per day (MMScfd or MMScf/d)

Volumetric flow rate of Gas measured in millions of standard cubic feet per Day.

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B. Definitions (Continued)

33. OEHHA

Office of Environmental Health Hazard Assessment of the California Environmental Protection Agency.

34. Raw Product Gas or Feedstock Gas

Gas from biogenic or other renewable sources, such as Biogas, biomass, or power to Gas from renewable electricity, before conditioning or upgrading to comply with this Rule's Gas quality specifications.

35. Receipt Point(s) or Points of Receipt

The place(s) where Interconnector delivers, or has delivered on its behalf, Gas into the Utility's pipeline system.

36. Renewable Gas

Gas from biogenic or other renewable sources, such as Biogas, biomass, or power to Gas from renewable electricity that has been conditioned or upgraded to comply with this Rule's Gas quality specifications, including Biomethane.

37. Renewable Gas Interconnector or Producer (Interconnector)

Party physically interconnecting or interconnected with the Utility and effectuates the delivery of Renewable Gas through new or modified facilities, including any third-party delivering renewable gas into the utility pipeline either directly or through one or more intermediary pipelines, and effectuates the delivery of Renewable Gas through new or modified facilities.

38. Takeaway Capacity

Utility's physical takeaway capability downstream of the outlet of the Utility Facilities at the Interconnection Point. Takeaway Capacity for any particular day may be affected by physical flows from other Receipt Points, physical pipeline and/or storage conditions for that Day, and end-use demand on the Utility's pipeline system, and will be solely determined by the Utility.

39. Thousand Standard cubic feet per day (MScfd or MScf/d)

Volumetric flow of Gas measured in thousands of standard cubic feet per day.

40. Trigger Level

The concentration or measured value of a Constituent requiring additional periodic testing and analysis.

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B. Definitions (Continued)

41. Upper Action Level

The concentration or measured value of a Constituent requiring an immediate shut-off of Renewable Gas supply.

42. Utility Facilities

Facilities owned and operated by Utility, including but not limited to, pipelines, appurtenant facilities, meters, regulators, quality measurement, other equipment and related system upgrades at and from the Interconnection Point, for receipt into Utility's pipeline system in the State of California pursuant to the Utility's interconnection agreement.

43. Wobbe Index

HHV / ($\sqrt{\text{Relative Density}_{\text{real}}}$) as defined in Section 2.20 in the 2009 American Gas Association (AGA) Report No. 5 Natural Gas Energy Measurement.

C. Applicability / Open Access

1. Applicability

The Utility shall provide nondiscriminatory open access to its system to any party for the purpose of physically interconnecting with the Utility and effectuating the delivery of Renewable Gas, subject to the terms and conditions set forth in this Rule and the Utility's applicable interconnection, operating, and balancing agreements.

2. End Use Customer Priority

The interconnection and physical flows shall not jeopardize the integrity of, or interfere with, the normal operation of the Utility's pipeline system and provision of service to its End Use Customers.

3. Scheduling and Nominations

The Receipt Point shall be established as a transportation scheduling point, pursuant to the provisions of Utility's transportation of customer owned Gas tariff.

4. Interconnect Capacity and Takeaway Services

The maximum physical capacity of the interconnection will be determined by the sizing of the Receipt Point components, including the metering and odorization capacities, but is not the capacity of the Utility's pipeline system to transport gas away from the Interconnection Point and is not, nor is it intended to be, any commitment by the Utility of Takeaway Capacity. The Utility separately provides takeaway services, including the option to expand system capacity to increase takeaway services, through its otherwise applicable tariffs.

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C. Applicability / Open Access (Continued)

5. Daily Available Receipt Capacity

The available receipt capacity for any particular day may be affected by physical flows from other Points of Receipt, physical pipeline and storage conditions for that day, and end-use demand on the Utility's pipeline system.

6. Pressure Regulation and Flow

Interconnector's Facilities shall be designed, installed, and operated to protect Utility's pipeline system from exposure to pressures in excess of Utility's then current maximum allowable operating pressure and operating pressures at the Interconnection Point.

Interconnector shall monitor discharge pressure and temperature to limit and shut down, or otherwise control, its compression to ensure that it does not cause any damage to the Utility Facilities.

Interconnector shall ensure that compression does not adversely affect or impair the accuracy of Utility measurement equipment at the Interconnect Point. Interconnector shall eliminate compressor-induced pulsation or vibration in compliance with American Petroleum Industry Standards before Gas is delivered at the Interconnection Point. The Utility shall not be required to accept delivery of Interconnector's Gas if compressor-induced pulsation or vibration exists.

7. Compliance with Utility's Tariffs

Interconnector's Gas supply at the Interconnection Point shall comply with all Utility tariffs, including Gas quality and nomination procedures, except as permitted under the Pipeline Blending Exception Study procedures of this Rule.

8. Authorization Required to Operate

The Interconnector and Utility shall execute interconnection, operating and balancing agreements prior to any performance, including, but not limited to, final interconnection and gas flow.

9. Separate Agreements Required for Other Services

An Interconnector requiring other Gas services from Utility, including, but not limited to, Utility intrastate transportation service, must enter into agreements with Utility for such services in accordance with Utility's CPUC-approved tariffs.

10. Services Under This Rule Limited to Interconnection

Interconnection with Utility's pipeline system under this Rule does not provide Interconnector any rights to use Utility's pipeline system for the transportation or selling of Gas, nor does it limit those rights.

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C. Applicability / Open Access (Continued)

11. Confidentiality

Utility and Interconnector may enter into a confidentiality or non-disclosure agreement using Utility's then-existing standard agreement, as needed to protect the confidential, critical infrastructure, and trade secret information of either party. If the Utility provides any confidential, critical infrastructure, and/or trade secret information to the Interconnector, provision of such information shall require the Interconnector to enter into a confidentiality or non-disclosure agreement using Utility's then-existing standard agreement.

12. Compliance with and Modifications to Established Deadlines

The Utility shall use reasonable efforts to meet all of the timelines provided in this Rule. In the event the Utility is not able to meet a particular timeline, the Utility shall notify the Interconnector as soon as practicable and provide an estimated completion date with an explanation of the reasons why additional time is needed. The Utility and Interconnector shall mutually agree upon a modified timeline. Should mutual agreement not be reached on a modified timeline, the Utility and Interconnector may participate in a dispute resolution process pursuant to Section N of the Rule.

D. Interconnector Request

Interconnector shall complete Utility's interconnect fact sheet and submit a written request for each scope of work: screening, engineering, procurement, and construction as further described herein.

E. Interconnection Screening

1. Applicability

Any Renewable Gas Interconnector, including an interconnecting pipeline or a supply source, may request one displacement Interconnection Screening for each project, free of charge. Any party may request, on an actual cost basis, an expansion or an additional displacement Interconnection Screening for the project, or a Pipeline Blending Exception Study which entails study of an interconnection to a specific pipeline.

2. Scope of Services

Utility will analyze the impact on its gas system of receiving Interconnector- specified new supply at specified locations.

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E. Interconnection Screening (Continued)

2. Scope of Services (Continued)

Utility conducts the following analysis:

- a. Preliminary, non-binding initial assessment of the nearest pipeline that has Takeaway Capacity to accommodate Interconnector's maximum injection volume/flow rate, and of a pipeline of lesser capacity closest to the Interconnector's Conditioning Facilities and its Takeaway Capacity.
- b. A preliminary pipeline route and length for interconnection to Utility's pipeline system.
- c. The then-current maximum allowable operating pressure and, if available, operating pressures of the existing Utility pipeline system receiving Gas from the Receipt Point.

3. Report

The report provided to the Interconnector summarizes the study parameters, assumptions, limitations and results of Utility's analysis. The report shall be provided by the Utility within fifteen (15) business days of its receipt of a written request and complete interconnection fact sheet.

F. Preliminary and Detailed Engineering Studies

1. Preliminary Engineering Study (PES)

a. Applicability; No Self-Performance

Upon completion of the Section E Interconnection Screening, if requested by the Interconnector in writing. Utility will perform the PES in accordance with this Section F-1 and the applicable agreement. Interconnector will not have the option of self-performing the PES.

b. Interconnector Request

Interconnector submits a written request detailing the interconnection expected minimum, average and maximum hourly production volume(s) and proposed site location(s) in addition to the information provided during the Interconnection Screening.

c. Scope of Services

Utility proposes to analyze the impact on its gas system of receiving Interconnector- specified new supply at specified location.

Utility provides:

- i. Confirmation that the intended Utility pipeline system has sufficient physical Takeaway Capacity to safely accommodate Interconnector's specified maximum delivery volume.

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F. Preliminary and Detailed Engineering Studies (Continued)

1. Preliminary Engineering Study (PES) (Continued)

c. Scope of Services (Continued)

Utility provides:

- i. Confirmation that the intended Utility pipeline system has sufficient physical Takeaway Capacity to safely accommodate Interconnector's specified maximum delivery volume.
- ii. Recommendation as to the pipeline route using Utility rights of way for interconnection to the gas system.
- iii. Confirmation of the then-current maximum allowable operating pressure and, if available, operating pressures of the Utility's gas system.
- iv. Potential obstructions in the pipeline route, if applicable, as determined by physical observation by Utility.
- v. Cost estimate calculated by the Utility including, but not 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. Other service costs associated with construction of the facility that are not part of already offered services could include, but not be limited to, engineering, consulting, contracting, construction costs, environmental studies.

Utility will provide a cost estimate accurate to +100%/- 50% or better based on a site visit and route evaluation for the Interconnector's project in the preliminary engineering estimate.

Because of the exclusions and limitations of this initial review, Utility does not guarantee or recommended use of the PES for any purpose, including any substantive planning or other decisions regarding the cost or viability of its project except to determine whether to proceed with a detailed engineering study.

Any use by the Interconnector is solely at its own risk and should factor in the above risks and limitations.

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STANDARD RENEWABLE GAS INTERCONNECTION

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F. Preliminary and Detailed Engineering Studies (Continued)

1. Preliminary Engineering Study (PES) (Continued)

d. Interconnector Pre-payment of Utility Cost Estimates

Interconnector is required to provide funding in advance of a PES being performed for Interconnector's proposed project. Utility personnel will charge their time and any necessary materials to analyze the project on an actual cost basis. Additional funding will be required from Interconnector to continue work if the actual costs exceed the advance.

e. Contracts

The Interconnector and the Utility must execute an agreement prior to initiating any work and Interconnector shall provide payment equal to the estimated cost of the study prior to the Utility proceeding. Within fifteen (15) business days of the Utility's receipt of a request for a PES, the Utility shall provide a draft agreement and estimated cost of the Study to the Interconnector. Payment in full of the estimated cost is required upon execution of an agreement to proceed with the analysis. The Interconnector will be responsible for the actual costs of the services; to this end, an invoice or a refund will be issued to the Interconnector at the completion or earlier termination of the PES for any difference between the actual costs and this advance.

f. PES Report

The Utility shall complete the PES within ninety (90) business days of Interconnector's payment of the estimated study cost. The report summarizes the study parameters, assumptions, limitations and results of Utility's analyses, identifies any facility improvements, and estimates the cost of construction of those improvements. The use and distribution of the PES shall be governed by the confidentiality agreement signed by the Utility and the Interconnector.

2. Detailed Engineering Study (DES)

a. Applicability; Option to Self-Perform

Upon completion of the PES or in combination with a PES, if requested by the Interconnector in writing. Interconnector will have the option of self-performing the DES, in which case:

- i. the Interconnector shall be responsible for all tasks in the DES, including but not limited to, permits, land rights, and environmental studies;

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Sheet 16

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

F. Preliminary and Detailed Engineering Studies (Continued)

2. Detailed Engineering Study (DES) (Continued)

a. (Continued)

- ii. The Interconnector must pay the Utility for the Utility's review and approval costs of each step of the DES process, and for each stage of construction;
- iii. Within fifteen (15) business days of notice that the Interconnector will prepare a DES, the Utility shall provide relevant guidance regarding the required content of the DES; and
- iv. The Interconnector shall pay the Utility's actual costs for reviewing and assisting with preparation of the DES, within forty (40) business days of receiving invoices from the Utility.

If Interconnector elects to have Utility prepare the DES, the remainder of this Section F-2 shall apply.

b. Interconnector Request

Interconnector submits a written request detailing the interconnection expected production volume(s) and proposed site location(s).

c. Scope of Services (Work)

Utility will design and engineer interconnection facilities or provide specifications, inspection and oversight of the Interconnector design and engineering of the interconnection facilities including a Receipt Point station and lateral pipeline, if applicable. Cost estimates may be generated at 30%, for long-lead material items, 60% level and at Issued for Construction level, of facility design based on the Interconnector's estimated completion date accurate to +50% / - 30%.

- i. Confirm pipeline route using Utility rights-of-way for interconnection to the Gas system.
- ii. Confirm obstructions in the pipeline route, if applicable, as determined by physical observation by Utility.

(Continued)

(TO BE INSERTED BY UTILITY)
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Sheet 17

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

F. Preliminary and Detailed Engineering Studies (Continued)

2. Detailed Engineering Study (DES) (Continued)

c. (Continued)

iii. Cost estimate calculated by the Utility including, but not 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. Other service costs associated with construction of the facility that are not part of already offered services could include, but not be limited to, engineering, consulting, contracting, construction costs, environmental studies.

d. Interconnector Pre-payment of Utility Cost Estimate

Engineering advances will be collected to fund the DES through commissioning and final drawings. Interconnector is responsible for making all payments in advance of Utility's performance of the interconnection work scope and for the purchase of long lead equipment. All final payments will be determined on the basis of the actual DES project costs incurred by Utility.

e. Contracts

The Interconnector and the Utility must execute an agreement prior to an analysis being performed and payment shall have been provided prior to Utility proceeding with the analysis. Within twenty (20) business days of a request for the Utility to prepare a DES, the Utility shall meet with the Interconnector to discuss project specific design parameters and the Utility shall provide the Interconnector an estimate of the cost to prepare the DES and a proposed agreement. The Interconnector will be responsible for the actual costs of the services; to this end, a refund or an invoice will be issued to the Interconnector at the completion of the DES to true-up actual costs to the estimated costs. Within fifteen (15) business days of notice that the Interconnector will prepare a DES, the Utility shall provide relevant guidance regarding the required content of the DES. The Interconnector shall pay the Utility's actual costs for reviewing and assisting with preparation of the DES, within forty (40) business days of receiving invoices from the Utility.

f. DES Report

The Utility shall complete the DES within one hundred eighty (180) business days of Interconnector's payment of the estimated study cost. The report summarizes the study parameters, assumptions, limitations and results of Utility's analyses, identifies any facility improvements, and estimates the cost of construction of those improvements. The use and distribution of the DES shall be governed by the confidentiality agreement signed by the Utility and Interconnector.

(Continued)

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Sheet 18

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

G. Procurement and Construction and Installation Options

1. Procurement of Equipment and Materials; Construction and Installation

a. Procurement and Construction and Installation Options

Interconnector may elect for Utility or Interconnector to construct and install new Receipt Point facilities. The party performing the construction and installation work will also be exclusively responsible for procuring the equipment and materials for such work. In either case, Interconnector will be subject to the procurement, construction, and installation terms and conditions provided by the Utility, including those set forth in the interconnection agreement.

b. Commissioning Gas Quality Verification

Prior to commencing Utility operations, sampling of Interconnector's Renewable Gas shall be performed according to the procedures in Section K.5 Renewable Gas Quality and Specifications Testing, as revised from time to time.

Utility may, at Interconnector's expense, perform gas quality and equipment startup testing to verify compliance with this Rule's gas quality specifications and proper operation of gas quality monitoring equipment and enforcement system. Commissioning Gas Quality Verification, as described in this section, also applies to any new gas source supplying Renewable Gas upstream of an existing gas interconnection point.

c. Receipt Point Facilities Ownership

Receipt Point facilities provided by Utility under this Rule or transferred to Utility as part of any Interconnector design-build shall, at all times, be and remain the property of Utility.

2. Alternative Interconnection of a Renewable Gas Production Facility

The parties may consider alternatives to Receipt Point and Utility Facilities to enable interconnection of a Renewable Gas production facility to the Utility pipeline system such as, but not limited to, the utilization of mobile and temporary resources for the delivery of Renewable Gas to the Utility pipeline system. At the Utility's sole discretion, the parties may negotiate interconnection alternatives.

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Sheet 19

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

H. Interconnection Request Withdrawal

1. Interconnector may withdraw its Interconnection Request at any time by written notice of such withdrawal to Utility.
2. Withdrawal shall result in the removal of the Interconnection Request from the interconnection process and Utility shall return any unspent funds less any costs to discontinue the work and return the site(s) to pre-existing conditions received from the Interconnector, if applicable.
3. In the event of such withdrawal, Utility shall provide, at Interconnector's request, any completed engineering study conducted up to the date of withdrawal of the Interconnection Request.

I. Costs

1. Interconnector Cost Responsibility
The Interconnector shall pay all costs necessary to effectuate and maintain deliveries at and from the Interconnection Point, including but not limited to computer programming changes to the Utility's pipeline system, engineering, equipment and construction (valves, separators, meters, quality measurement, odorant, and other equipment), land rights and permits necessary to regulate and deliver gas to and from the Interconnection Point, and repairs, upgrades, modifications, or replacements of the Utility Facilities.
2. Expansion of Receipt Point and/or Takeaway Capacity
The Utility will expand specific Receipt Point capacity and/or Takeaway Capacity at the request and expense of the Interconnector. The Interconnector and the Utility must execute the applicable Utility agreement prior to any work commencing.
3. Operation and Maintenance
Utility shall recover its operation and maintenance costs, as determined from time to time by the Utility, associated with the operation and maintenance of the metering equipment and other related facilities at and from the Interconnection Point that are owned and operated by the Utility and that are necessary to accept Renewable Gas from Interconnector and redeliver it to End Use Customers in accordance with good industry practice, Utility's normal procedures and governmental regulations pursuant to the Utility interconnection agreement.

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Sheet 20

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

I. Costs (Continued)

4. Repair, Upgrade, Modification or Replacement of Utility's Facilities

a. Utility

Utility shall provide notice, except under emergency conditions, to Interconnector if Utility determines, at Utility's sole discretion, that the Utility's Facilities, require repair, upgrade, modification or replacement to operate in compliance with applicable laws, regulations or Public Utilities Commission orders.

Utility's notice shall describe and include Utility's estimate to perform the necessary repairs, upgrades, modifications or replacements, all of which will be at Interconnector's expense as set forth in this Rule's Section I.1, and, if applicable, be prorated for each Interconnector based on each Interconnector's share of the total Interconnect Capacity.

b. Interconnector

Interconnector shall notify Utility within thirty (30) days of receipt of Utility's notice that the Interconnector requests that Utility make the necessary repairs, upgrades, modifications or replacements, which will be at Interconnector's expense.

The Interconnector shall have the right to review and to propose reasonable changes to any Utility proposal or request to repair, upgrade, modify or replace existing equipment so long as the Interconnector's proposed changes meet industry and Utility's standards and applicable codes and neither delay implementation nor jeopardize timely safety and code compliance. Utility is, however, under no obligation, expressed or implied, to accept such proposed changes.

Interconnector shall pay Utility within sixty (60) days of the date of the Interconnector's receipt of Utility's estimate for the necessary repairs, upgrades, modifications or replacements. At Utility's sole discretion, the Parties may agree on a mutually agreeable payment schedule subject to Utility's credit requirements.

If any Interconnector fails to request in writing that Utility make the necessary repairs, upgrades, modifications or replacements within thirty (30) days of receipt of Utility's notice and fails to pay Utility's estimated costs, within sixty (60) days of receipt of Utility's estimate, then Utility shall have the right to refuse to accept that Interconnector's Gas, and may proceed to reallocate the Interconnect Capacity and costs to the remaining Interconnectors or abandon, retire, or sell the Receipt Point facilities, at its sole discretion.

Any Utility abandonment shall be at Interconnector's sole expense.

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Sheet 21

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

I. Costs (Continued)

4. Repair, Upgrade, Modification or Replacement of Utility's Facilities (Continued)

c. Reconciliation of Actual to Estimated Costs

If, at any time and upon completion of the work, the Utility costs exceed or are expected to exceed Utility estimated costs or Interconnector's payments, Utility will invoice the Interconnector for the difference between the estimate and the Utility costs. Interconnector shall pay the invoice for the remaining amount to Utility within thirty (30) days of receipt. At Utility's sole discretion, the Parties can agree on a mutually agreeable payment schedule subject to Utility credit requirements. Upon completion of the work, if the Utility costs are less than Utility's estimate, Utility will refund the difference between the paid estimate and the Utility costs within thirty (30) days of the invoice.

5. Incentive Programs

a. Background

Pursuant to D.15-06-029, as modified by D.16-12-043 and D.19-12-009, the Utility shall provide a monetary incentive to eligible Biomethane Interconnections built before December 31, 2026. The monetary incentive program shall be in effect until the end of December 31, 2026, or until the program has exhausted its \$40 million funding, including the California Council on Science and Technology study costs. If there are funds remaining at the time of program termination, Biomethane Interconnectors that have started to deliver qualifying Biomethane into the Utility's pipeline system as of the termination date of this program are eligible for an incentive payment if they otherwise meet the program criteria.

b. Monetary Incentive

The monetary incentive is for up to 50% of the eligible interconnection costs incurred by a Biomethane Interconnector, up to \$3 million per interconnection for a non-dairy cluster Biomethane Interconnector and up to \$5 million per interconnection for a dairy cluster Biomethane Interconnector. A dairy cluster Biomethane interconnection project, as defined by Public Utilities Code Section 399.19(b), is a Biomethane project of three or more dairies in close proximity to one another employing multiple facilities for the capture of Biogas that is transported to a centralized processing facility and ultimately injected into the Utility pipeline through a single interconnection.

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

I. Costs (Continued)

5. Incentive Programs (Continued)

c. Eligible Interconnection Costs

The monetary incentive is limited to eligible interconnection costs, which include:

- i. Engineering costs (Interconnect Screening, Preliminary Engineering Study, and Detailed Engineering Study costs).
- ii. Costs associated with facilities downstream of the Biomethane Interconnector's processing plants used for delivering Biomethane into the Utility or third-party pipeline system.
- iii. Total installed costs of receipt point facilities. These facilities include, but are not limited to: meters, regulators, appurtenant facilities, quality measurement, odorization facilities, and auxiliary facilities.
- iv. Facility enhancement costs. These enhancements include but are not limited to: enhancements to gas pipelines and other related system upgrades that are required to enable continued safe and reliable operation of Utility's system due to the addition of each Biomethane Interconnection.
- v. For dairy cluster Biomethane Interconnection, costs incurred for Biogas gathering lines to help reduce emissions of short-lived climate pollutants pursuant to Section 39730 of the Health and Safety Code shall be considered eligible costs.

Other costs associated with processing and blending upstream of Interconnection Point, including facilities serving natural gas to Biomethane Interconnector's facilities, are ineligible costs.

d. Eligibility of Interconnector for Monetary Incentive

To be eligible for the monetary incentive program, a Biomethane Interconnector must:

- i. Comply with Utility's rule regarding transportation of customer-owned gas SoCalGas Rule 30, Transportation of Customer Owned Gas, and this Rule.
- ii. Comply with the standard and protocols adopted in D.14-01-034 as modified by D.16-11-008.

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Sheet 23

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

I. Costs (Continued)

5. Incentive Programs (Continued)

d. Eligibility of Interconnector for Monetary Incentive (Continued)

iii. Successfully interconnect to the Utility or third-party California pipeline system and meet the operational requirement as described in D.15-06-029 as modified by D.16-12-043.

This operational requirement entails that the Biomethane Interconnector produce Biomethane flow for a minimum of 30 days out of a 40- day testing period, within the minimum and maximum measurement range of the meter, as specified by Utility's measurement standards and based on the meter type specified by the Utility.

- a) Biomethane Interconnectors must declare in a written notice to the Utility at least two business days in advance, the specific start and end date of this 40- day testing period.
- b) The 30 out of 40-day requirement is extended 1 day for each day that the Biomethane Interconnector is unable to produce flow because of an interruption of delivery as set forth in Utility's rule regarding interruption of delivery.
- c) Biomethane Interconnectors may elect to restart the 40-day testing period by providing a new written notice declaring the new start and end dates at least two business days in advance of when the new 40-day testing period is to begin.

iv. Provide cost information to Utility for eligible costs in a timely manner, as specified by Utility.

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Sheet 24

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

I. Costs (Continued)

5. Incentive Programs (Continued)

e. Payment of Monetary Incentive

Within 60 days following successful compliance with the 30 out of 40-day biomethane delivery requirement, the Utility will pay the Biomethane Interconnector the amount up to 50% of the eligible reconciled and undisputed portions of the interconnection costs, not to exceed \$3 million per interconnection for a non-dairy cluster Biomethane Interconnector, or \$5 million per interconnection for a dairy cluster Biomethane Interconnector. Payment will be provided to the Biomethane Interconnector if all costs have been paid in full; if there are remaining costs it shall be treated as a credit. In the event that all interconnection costs have not been reconciled by the Utility and the Biomethane Interconnector within 60 days following the successful compliance with the 30 out of 40-day Biomethane delivery requirement, the Utility shall resume paying the Biomethane Interconnector upon cost reconciliation. If additional eligible cost information becomes available within 12 months following the initial payment, the Utility shall pay to the Biomethane Interconnector up to 50% of the remaining eligible interconnection costs, not to exceed \$3 million per interconnection for a non-dairy cluster Biomethane Interconnector, or \$5 million per interconnection for a dairy cluster Biomethane Interconnector, including all previous payments. The Utility will provide notification to the CPUC Director of the Energy Division and the Biomethane Interconnector of the initial payment as well as any other potentially eligible future payments.

f. Monetary Incentive Reservation Application Process

- i. Interconnector must submit the standard Incentive Reservation Application as required by D.19-12-009.
- ii. Upon receipt of a standard Incentive Reservation Application, the Utility will note the date and time of the receipt of the application.
- iii. Utilities must verify that the project meets the Incentive Reservation qualifications. The required qualifications are:
 - a) A completed application which includes Contact Information, Interconnecting Facility Information, and a Proposed Schedule.
 - b) Documentation of a fully executed and funded agreement to conduct a detailed engineering study.

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

I. Costs (Continued)

5. Incentive Programs (Continued)

f. Monetary Incentive Reservation Application Process (Continued)

iii. (Continued)

c) Utilities will deliver verified Incentive Reservation Applications to the Commission's Energy Division within 5 business days of its receipt.

d) Utilities will provide a quarterly report to the Energy Division within 5 business days of the end of each quarter for all applicants with a reservation on the waiting list reporting the status of the interconnection project.

e) Applicant's project must be operating within three years of the date of the Energy's Division's award of an Incentive Reservation to qualify to receive the incentive.

J. Local Government Entity Renewable Gas Interconnectors

Local Government Entity Renewable Gas Interconnectors may be evaluated by the Utility on a case-by-case basis for the granting of contractual provisions that recognize commercial considerations unique to local government entities including, but not limited to:

1. Transference of title to land owned by the government entity to the Utility or, alternatively, provision of easements satisfactory to the Utility, for the purpose of establishing the Utility's Facilities;
2. Local Government Entity Renewable Gas Interconnectors that generally can meet contractual obligations are not required to post performance assurance; and
3. Allowance of additional flexibility for a Local Government Entity Renewable Gas Interconnector to make payments based on the meeting cycle of the governing body.

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

K. Renewable Gas Quality and Specifications

1. Base Utility Gas Specifications

Renewable Gas must meet the gas quality specifications identified in SoCalGas' Rule 30 I. and this Rule 45, as adopted and periodically updated by the Commission.

2. Renewable Gas Constituent Concentrations

In addition to Section K.1. requirements, the following requirements are also applicable to Renewable Gas injected into the Utility's gas system. The Biomethane rules in this section are intended to implement D.14-01-034 and D.19-05-018, including rules regarding Constituent concentration standards, monitoring and testing requirements, and reporting and record keeping requirements.

a. Renewable Gas must conform to the specifications listed in Table 1 and Table 2.

Table 1 Maximum Constituent Concentrations						
Renewable Gas Injection Constituents				Testing for Gas Source		
	Trigger Level	Lower Action Level	Upper Action Level	Non-Hazardous Landfill	Dairies	Other ⁴
Base Gas Quality Specifications¹				X	X	X
Health Protective Constituents (HPC) – Carcinogenic²						
Arsenic	0.019 mg/m ³ 0.006 ppmv	0.19 mg/m ³ 0.06 ppmv	0.48 mg/m ³ 0.15 ppmv	X		
p-Dichlorobenzene	5.7 mg/m ³ 0.95 ppmv	57 mg/m ³ 9.5 ppmv	140 mg/m ³ 24 ppmv	X		X

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STANDARD RENEWABLE GAS INTERCONNECTION

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(Continued)

K. Renewable Gas Quality and Specifications (Continued)

2. Renewable Gas Constituent Concentrations (Continued)

a. (Continued)

Table 1 (Continued)						
Maximum Constituent Concentrations						
Ethylbenzene	26 mg/m ³ 6.0 ppmv	260 mg/m ³ 60 ppmv	650 mg/m ³ 150 ppmv	X	X	X
n-Nitroso-di-n-propylamine	0.033 mg/m ³ 0.006 ppmv	0.33 mg/m ³ 0.06 ppmv	0.81 mg/m ³ 0.15 ppmv	X	X	
Vinyl Chloride	0.84 mg/m ³ 0.33 ppmv	8.4 mg/m ³ 3.3 ppmv	21 mg/m ³ 8.3 ppmv	X		X
Health Protective Constituents (HPC) - Non-Carcinogenic ²						
Antimony	0.60 mg/m ³ 0.12 ppmv	6.0 mg/m ³ 1.2 ppmv	30 mg/m ³ 6.1 ppmv	X		
Copper	0.060 mg/m ³ 0.02 ppmv	0.60 mg/m ³ 0.23 ppmv	3.0 mg/m ³ 1.2 ppmv	X		
Hydrogen Sulfide ⁶	30 mg/m ³ 22 ppmv	300 mg/m ³ 216 ppmv	1500 mg/m ³ 1080 ppmv	X	X	X
Lead	0.075 mg/m ³ 0.009 ppmv	0.75 mg/m ³ 0.09 ppmv	3.8 mg/m ³ 0.44 ppmv	X		
Mercaptans (Alkyl Thiols) ⁶	12 ppmv	120 ppmv	610 ppmv	X	X	X
Methacrolein	1.1 mg/m ³ 0.37 ppmv	11 mg/m ³ 3.7 ppmv	53 mg/m ³ 18 ppmv	X		
Toluene	904 mg/m ³ 240 ppmv	9000 mg/m ³ 2400 ppmv	45000 mg/m ³ 12000 ppmv	X	X	X
Integrity Protective Constituents (IPC) ³						
Ammonia	0.001%	TBD ⁵	TBD ⁵	X	X	X

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(Continued)

K. Renewable Gas Quality and Specifications (Continued)

2. a. (Continued)

Table 1 (Continued) Maximum Constituent Concentrations						
Biologicals	4 x 10 ⁴ / Scf (qPCR per APB, SRB, IOB ⁷ group) and commercial ly free of bacteria of > 0.2 microns	TBD ⁵	TBD ⁵	X	X	X
Hydrogen	0.10%	TBD ⁵	TBD ⁵	X	X	X
Mercury	0.08 mg/m ³	TBD ⁵	TBD ⁵	X	X	X
Siloxanes ⁸	0.01 mg Si/m ³	0.1 mg Si/m ³	TBD ⁵	X	X	X

Notes:

1. Base Utility Gas Specifications are identified in K1.
2. Health Protective Constituents (HPC) are shown in Table V-3 of the CARB/OEHHA Report.
3. Integrity Protective Constituents are shown in Section 4.4.3.3 of D.14-01-034 and identified as pipeline integrity protective constituents.
4. Other organic sources, includes all Biogas sources other than landfill and dairy manure, including but not limited to, a sewage treatment plant or wastewater plant ("Publicly Owned Treatment Works" or "POTW").
5. The Lower and Upper Action Levels will be established in the next update proceeding.
6. Testing requirement will be the stricter of the stated Renewable Gas values or other tariff requirements.
7. Acid-producing Bacteria (APB), Sulfate-reducing Bacteria (SRB), and Iron-oxidizing Bacteria (IOB).
8. The Interconnector that meets this Rule's Section K.4.b certification requirements shall have reduced siloxanes testing requirements. Utility, at its discretion and at its own cost, may still test pursuant to Utility's applicable tariff rules. If the Utility test results show the siloxane levels exceed the Lower Action Level, the full siloxane testing requirements will apply as described in this Rule.

(Continued)

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

K. Renewable Gas Quality and Specifications (Continued)

2. a. (Continued)

Table 2			
Collective Risk from Carcinogenic and non-Carcinogenic Constituents			
Risk Management Levels	Risk from Carcinogenic Constituents (chances in a million)	Hazard Index from Non-Carcinogenic Constituents	Action
Trigger Level ¹	≥ 1.0	≥ 0.1	Periodic Testing Required
Lower Action Level ²	≥ 10.0	≥ 1.0	Supply shut-in after three exceedances in 12 months in which deliveries occur
Upper Action Level ³	≥ 25.0	≥ 5.0	Immediate supply shut-in

Notes:

1. Applies to individual Constituent concentrations.
2. Applies to the sum of all Constituent concentrations over the Trigger Level.
3. Applies to individual Constituent concentrations or to the sum of all Constituent concentrations over the Trigger Level.

3. RESERVED

4. Interconnector Renewable Gas Source Certification

a. Non-Hazardous Waste Facility

Renewable Gas sourced from Hazardous Waste Landfills will not be knowingly purchased, accepted into or transported on the pipeline system.

i. Interconnector must certify and provide documentation or other suitable proof that: the Renewable Gas source feedstock was not derived or collected from a Hazardous Waste Facility, as that term is defined in Section 25117.1 of the California Health and Safety Code, as may be amended from time to time, and Interconnector is in compliance with the following Health and Safety Code Sections 25421(g)(1) and (2), as they may be amended from time to time.

b. Siloxanes

To qualify for reduced siloxanes testing, Interconnector must execute Utility's certification attesting that:

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

K. Renewable Gas Quality and Specifications (Continued)

4. Interconnector Renewable Gas Source Certification (Continued)

b. Siloxanes (Continued)

- i. Interconnector’s Biogas is sourced only from dairy, animal manure, agricultural waste, forest residues, and/or commercial food processing waste;
- ii. Products containing siloxanes are not used at Interconnector’s Facilities in any way that allow siloxanes to enter the Biogas and/or Biomethane and
- iii. Interconnector shall notify Utility within 30 days of discovery, in accordance with the notice provision of the associated interconnection agreement, that the certifications set forth in the above paragraphs are no longer true.

5. Testing

a. Source Feedstock Based Testing

Testing shall be determined according to the source feedstock. Testing for the Health Protective Constituents shall be by the recommended methods specified in Table V-4 of CARB/OEHHA Report submitted in R.13-02-008 as approved by D.14-01-034 or an equivalent national standard test. Testing for Integrity Protective Constituents shall be by national standard test methods or equivalent. Feedstock Based Testing, as described in this section, also applies to any new gas source supplying Renewable Gas upstream of an existing gas interconnection point.

b. Testing Responsibility

i. Interconnector Pre-Injection and Restart Procedure Testing

Pre-injection and Restart Procedure testing for gas quality will be performed by the Interconnector using independent certified third-party laboratories. The Utility shall be notified of the sampling in advance and have the option to observe the samples being taken.

ii. Utility Periodic Testing

The Utility will collect the samples and send the samples to an independent certified laboratory for Constituent analyses. The results will be shared with the Interconnector within two weeks of the Utility receiving the data. If it is agreed to by both parties, the Interconnector can be the periodic testing entity at the interconnection.

(Continued)

(TO BE INSERTED BY UTILITY)
ADVICE LETTER NO. 5697
DECISION NO. 20-08-035

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Dan Skopec
Vice President
Regulatory Affairs

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STANDARD RENEWABLE GAS INTERCONNECTION

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(Continued)

K. Renewable Gas Quality and Specifications (Continued)

N

5. Testing (Continued)

c. Cost Responsibility

Interconnector is responsible for Pre-Injection, Periodic Testing and Restart testing costs. If requested, any retesting for validation of results shall be done at the cost of the entity requesting the retest.

d. Utility Discretionary Testing

This Rule does not prohibit the Utility from engaging in discretionary gas or facility testing on its system at Utility's expense.

e. Pre-Injection Testing Procedure

Interconnector will conduct two successful tests for all Constituents over a two to four-week period, preferably, at least two weeks apart.

i. Health Protective Constituents

If during the pre-injection testing, any Health Protective Constituents are found at or above the Trigger Level, the collective potential cancer or non-cancer risk must be calculated. The collective potential cancer or non-cancer risk is calculated by summing the individual risk for each Health Protective Group 2 Compound.

If the collective potential cancer risk or non-cancer risk is at or above the Lower Action Level (the cancer risk Lower Action Level is ≥ 10 in a million and the non-cancer risk Lower Action Level is a Hazard Index of ≥ 1), the Renewable Gas cannot be accepted or transported by the Utility's pipeline system.

The Interconnector shall make necessary modifications to lower the collective potential cancer or non-cancer risk below the Lower Action Level and restart pre- injection testing.

If all the Health Protective Constituents are below the Trigger Level or the collective potential cancer risk and non-cancer risk from the Group 2 Compounds are below the Lower Action Level in both pre-injection tests, the Renewable Gas may be injected into the pipeline system subject to all other requirements set forth in this Rule.

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(Continued)

(TO BE INSERTED BY UTILITY)
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(Continued)

K. Renewable Gas Quality and Specifications (Continued)

5. Testing (Continued)

e. Pre-Injection Testing Procedure (Continued)

ii. Integrity Protective Constituents

If any Integrity Protective Constituents are above the Lower Action Level, the Renewable Gas may not be injected into the Utility's system. The Interconnector shall make necessary modifications to lower the levels of the Integrity Protective Constituents to levels below the Lower Action Level equivalent and restart pre-injection testing.

If Integrity Protective Constituents are at or below the Lower Action Level, the Renewable Gas may be injected into the Utility's system subject to all other requirements set forth in this Rule.

a) Reduced Siloxanes Testing

Pursuant to Section K.4.b Renewable Gas certified for reduced siloxanes testing will be as follows:

- (i) If the pre-injection testing siloxanes levels are at or below the Trigger Level, then no periodic testing for siloxanes is required.
- (ii) If the pre-injection testing siloxanes level exceeds the Trigger Level, then quarterly testing for siloxanes is required for one year, and if none of those samples are above the Lower Action Level, then no periodic testing for siloxanes is required.
- (iii) If the siloxanes are above the Lower Action Level, then the Renewable Gas certification for reduced testing is no longer applicable and the Interconnector will be required to comply with the periodic testing requirements for siloxanes.
- (iv) Utility, at its discretion and at its own cost, may still test pursuant to Utility's applicable tariff rules. If the Utility test results show the siloxanes levels exceed the Lower Action Level, this Rule's full siloxanes testing requirements will apply.

(Continued)

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

K. Renewable Gas Quality and Specifications (Continued)

5. Testing (Continued)

f. Periodic Testing

i. Group 1 Compounds

- a) Group 1 Compounds will be tested once every 12-month period in which injection occurs.
- b) Any Group 1 Compounds with a concentration below the Trigger Level for two consecutive annual tests will be tested once every two-year period in which injection occurs.
- c) A Group 1 Compound will become a Group 2 Compound if testing indicates a concentration at or above the Trigger Level and will be tested quarterly.

ii. Group 2 Compounds

- a) Testing for Group 2 Compounds will be quarterly (at least once every three-month period in which injection occurs).
- b) Any Group 2 Compound with a concentration below the Trigger Level in four consecutive quarterly tests will become a Group 1 Compound and will be tested once every 12-month period in which injection occurs.
- c) If any constituent is above the Upper Action Level, the Renewable Gas shall be shut-in until the concentration level is below the Lower Action Level, after which it will be subject to the Section K.5.g. Restart Procedure.

(Continued)

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

K. Renewable Gas Quality and Specifications (Continued)

5. Testing (Continued)

f. Periodic Testing (Continued)

iii. Collective risk from Carcinogenic and Non-carcinogenic Health Protective Constituents

a) Cancer Risk

The collective potential cancer risk for Group 2 Compounds is determined by summing the individual potential cancer risk for each carcinogenic Constituent of Concern. Specifically, the cancer risk is calculated using the ratio of the concentration of the Constituent in the Renewable Gas to the health protective (“trigger”) concentration value corresponding to one in a million cancer risk for that specific Constituent and then summing the risk for all the Group 2 Compounds (for reference, see CARB/OEHHA Report submitted in R.13-02-008, p. 67).

b) Non-Cancer Risk

The collective non-cancer risk is calculated using the ratio of the concentration of the constituent in Renewable Gas to the health protective concentration value corresponding to a hazard quotient of 0.1 for that specific non-carcinogenic constituent, then multiplying the ratio by 0.1, and then summing the non-cancer chronic risk for these Group 2 compounds (for reference, see CARB/OEHHA Report submitted in R.13-02-008, p. 67).

c) If the result is at or above the Lower Action Level on three occurrences in a 12-month period, the Renewable Gas shall be immediately shut-in until the levels are below the Lower Action Level, after which it will be subject to the Restart Procedures.

d) If quarterly testing over four consecutive tests demonstrates that the collective risk from Carcinogenic and Non-carcinogenic Constituents is below the Lower Action Level, then the testing period will change to once every 12- month period during which injection occurs for each Constituent in the group.

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

K. Renewable Gas Quality and Specifications (Continued)

5. Testing (Continued)

f. iii. (Continued)

- e) If annual testing demonstrates that collective risk from Carcinogenic and Non-carcinogenic Group 2 Compounds is at or above the Lower Action Level, then testing will revert to quarterly.
- f) If the collective risk from Carcinogenic or Non-carcinogenic Constituents, is at or above the Upper Action Level, the Renewable Gas shall be shut-in until the concentration is below the Lower Action Level, after which it will be subject to the Restart Procedures.
- g) If Interconnector's Renewable Gas is refused in accordance with this Rule, testing for all Group 1 and Group 2 Compounds will then be performed according to the Restart Procedure.

iv. Integrity Protective Constituents

- a) Constituents shall be tested once every 12-month period in which injection occurs.
- b) Any Constituent with a concentration at or below the Trigger Level during two (2) consecutive annual periodic tests shall be tested once every two-year period in which injection occurs.
- c) If periodic testing demonstrates that any Constituent is above the Trigger Level, then it will be tested quarterly.
- d) If the Constituent is above the Trigger Level, then it will be tested quarterly until there are four (4) consecutive quarterly tests at or below the Trigger Level, then it will be reduced to once every 12-month period in which deliveries occur.
- e) When any Constituent is above the Lower Action Level three times in a 12-month period, the Renewable Gas shall be immediately shut-in and subject to Restart Procedures set forth in Section K.5.g. of this Rule.

(Continued)

(TO BE INSERTED BY UTILITY)
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Sheet 36

STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

K. Renewable Gas Quality and Specifications (Continued)

5. Testing (Continued)

g. Restart Procedure

i. Interconnector will repeat the Pre-Injection Testing Procedure until one successful test of all Constituents is completed, when any of the following occurs:

- a) There is a change in the Gas source at the facility or a change of the Gas processing equipment design (other than for functional equivalence) that the Commission determines will potentially increase the level of any Constituent over the previously measured baseline levels.
- b) A shut-in of the Renewable Gas into the pipeline because there are three exceedances of the Lower Action Level in a 12-month period of the same Constituent.
- c) A shut-in of the Renewable Gas into the pipeline because a Constituent concentration or the collective cancer or non-cancer risk is above the Upper Action Level.

ii. After re-starting Renewable Gas deliveries, Periodic Testing will resume based on the results of the successful test.

h. Reporting and Record Keeping Requirements

Reporting and Record Keeping will be in compliance with D.14-01-034 and the CARB/OEHHA Report and includes the following:

- i. Pre-injection testing results shall be provided by Interconnector to the Utility within five days of receiving the data.
- ii. Startup test results shall be provided to Commission within 30 days of receiving the test data by the testing entity (Utility or Interconnector).
- iii. Maintain records of all test results for 3 years from the date when the tests were conducted by the testing entity (Utility or Interconnector).
- iv. Annual report to Commission: all test data, production rate, monitoring parameters, and shutoff events.

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

K. Renewable Gas Quality and Specifications (Continued)

5. Testing (Continued)

h. Reporting and Record Keeping Requirements (Continued)

- v. If the Utility is the testing entity, test results shall be provided by Utility to the Interconnector within two weeks of receiving the data. Test data that results in shut off shall be provided within 24 hours of receiving the data.
- vi. If the Interconnector is the testing entity, the Interconnector shall provide the above information to the Utility within two weeks of receiving the data.

L. Pipeline Blending Exception Study (Blending Study)

1. Intent

In an effort to encourage interconnections of Renewable Gas to Utility pipelines as ordered in D.19-05-018, the Utility will review and consider each blending request thoroughly and make a determination regarding each request. Blending exception requests will be accepted if the Renewable Gas is interchangeable with historical or contractual Gas supplies after blending and will not cause increased risk or safety concerns to the Utility’s employees, downstream customers or pipeline. The Interconnector requesting the Blending Study will be responsible for the cost for the Utility to conduct the Blending Study and provide a determination.

2. Interconnector Blending Study Request

Interconnector may request a Blending Study to determine the Utility’s downstream blending capability from an Interconnection Point, or proposed Interconnection Point, and the associated Utility monitoring and equipment enhancement costs, if any to be borne by Interconnector.

Interconnector may request an exception to the Gas quality and Heating Value standards established in this rule for a Receipt Point to allow blending in the pipeline of conditioned or upgraded Raw Product Gas or Biogas that does not meet all gas specifications at the Interconnection Point to achieve pipeline gas quality specifications.

Interconnector may initiate a Blending Study request as part of the Interconnection Screening or a subsequent Preliminary or Detailed Engineering Study.

The Blending Study will evaluate feasibility of blending to determine interchangeability with historical or contractual Gas supplies and the increased risk or safety concerns to the Utility’s employees, downstream customers or pipeline.

The Utility will evaluate whether it is safe to authorize blending following receipt of the request that shall include the following:

(Continued)

(TO BE INSERTED BY UTILITY)
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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

L. Pipeline Blending Exception Study (Blending Study) (Continued)

2. Interconnector Blending Study Request (Continued)

- a. Desired interconnect location(s) on the Utility's system
- b. Maximum and minimum flow rates, including seasonal variations, if appropriate
- c. Maximum concentrations of all Constituents listed within this Rule
- d. Maximum and minimum Heating Value and Wobbe Index
- e. Ability of Interconnector to accept limits on flow rates
- f. Reason for request
- g. Information collected from Interconnection Request

3. Utility Evaluation

If blending is requested, the Utility will evaluate requests for safely blending into the pipeline to determine whether injection of any new or modified supply source can be safely injected into the Utility's pipeline system. At a minimum, the Utility will consider the following factors when determining whether an exception can be allowed:

- a. Flow rates and directional consistency of receiving pipeline(s), including daily and seasonal variations.
- b. Historical Gas composition and contractual Gas quality specification at the Utility's receipt points and area of influence for purposes of determining impact on a Btu District.
- c. Current and expected future composition of Gas supplies at the Utility's Receipt Points for the purpose of determining interchangeability on customers' end use equipment and the pipeline system's future capability to accommodate supplies.
- d. Potential for increased internal corrosion threat at and through the Receipt Point, Receipt Point pipeline lateral and receiving pipelines due to Gas composition.
- e. Current and future customers in receiving pipeline flow rate, distance to these customers, time to first receiving customer, and anticipated downstream Gas demand growth.
- f. Maximum time and distance required for complete mixing to occur under all pipeline flow conditions.

(Continued)

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STANDARD RENEWABLE GAS INTERCONNECTION

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(Continued)

L. Pipeline Blending Exception Study (Blending Study) (Continued)

3. Utility Evaluation (Continued)

- g. The design, operation, and overall condition of the receiving pipeline(s), including any sensitivities to Gas Constituents.
- h. Additional monitoring, control, and/or mixing equipment that may be required to verify and ensure that adequate blending has occurred in the receiving pipeline system.

A request for gas quality exception will be undertaken as part of the Interconnection Screening or subsequent Preliminary and Detailed Engineering Studies upon receipt of all requested information. The evaluation will be completed within 30 additional business days.

4. Utility Report

Utility shall provide the Interconnector, within thirty (30) business days, with the acceptance or denial of blending request with the associated Interconnection Screening or subsequent Preliminary and Detailed Engineering Studies.

The Utility will notify the Energy Division of each request for exception, and state whether the request is granted or denied along with reason for denial.

a. Acceptance

For each granted request, the Utility shall provide a determination of the following:

- i. Volumetric flow rate: Authorized volume for blending, or a specific volume that is less than requested, and the conditions under which flow will be limited or otherwise restricted;
- ii. Length of time authorization valid: How long authorization for blending in the pipeline is valid before it must be re-evaluated; and
- iii. Special conditions: Any restrictions, special conditions, and/or special equipment, as determined by the Utility, required to grant acceptance.

b. Denial

If denied, a written explanation of the basis for denial and all engineering evaluations and calculations prepared to evaluate the request will be provided to the Interconnector. The explanation may include, but not be limited to:

- i. Historical pipeline flow profiles and proposed Interconnector flow.

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(TO BE INSERTED BY UTILITY)
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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

L. Pipeline Blending Exception Study (Blending Study) (Continued)

4. Utility Report (Continued)

b. Denial (Continued)

iii. Customer and/or safety impact.

Information is subject to a non-disclosure agreement for confidential information, if any.

5. Utility Right to Re-evaluate and Rescind Blending

The Utility shall have the continuing right at any time to re-evaluate, revise, and potentially rescind, the granted exception allowing for blending in the pipeline due to insufficient flow, ongoing operations, changes in the way the Utility manages the operation of its system, or requirements in accordance with the Utility's CPUC-approved tariffs.

M. Discontinuance and Termination

Discontinuance of use and/or termination will be administered pursuant to the terms of the Interconnector and Utility interconnection agreement.

N. Dispute Resolution

1. The Commission shall have initial jurisdiction to interpret, add, delete, or modify any provision of this Rule and/or tariff ("Interconnection Tariff") and to resolve disputes regarding Utility's performance of its obligations under the Interconnection Tariff pursuant to this Rule.

2. Any dispute arising between Utility and Interconnector (individually referred to as "Party" and collectively "the Parties") regarding Utility's or Interconnector's performance of its obligations under the Interconnection Tariffs shall be resolved according to the following procedures:

a. The dispute shall be documented in a written notice by the aggrieved Party to the other Party containing the relevant known facts pertaining to the dispute, the specific dispute and the relief sought, and express written notice by the aggrieved Party that it is invoking the procedures under this Section. The written notice shall be sent to the Party's email address and physical address set forth in any interconnection agreement between the Parties or the Interconnection Request, if there is no interconnection agreement. The receiving Party shall acknowledge the written notice within ten (10) Days of its receipt.

(Continued)

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STANDARD RENEWABLE GAS INTERCONNECTION

(Continued)

N. Dispute Resolution (Continued)

- b. The Parties shall negotiate in good faith to resolve the dispute. If a resolution is not reached in forty-five (45) Days from the date of the written notice, either 1) a Party may request to continue negotiations for an additional forty-five (45) Days or 2) the Parties may by mutual agreement make a written request for mediation to the Alternative Dispute Resolution (ADR) Coordinator in the Commission's administrative law judge (ALJ) Division. The request may be submitted by electronic mail to adr_program@cpuc.ca.gov. The dispute and its resolution shall be governed by the Commission's ADR rules and procedures. Alternatively, both Parties by mutual agreement may request mediation from an outside third-party mediator with costs to be shared equally between the Parties.
3. If resolution is not reached pursuant to this Section N., either Party may file a formal complaint before the Commission pursuant to California PUC section 1702 and Article 4 of the Commission's Rules of Practice and Procedure. Nothing in this section shall be construed to limit the rights of any Party to exercise rights and remedies under applicable Commission decision, order, rule or regulation.
4. Pending resolution of any dispute under this Section, the Parties shall proceed diligently with the performance of their respective obligations under the Interconnection Tariffs, unless the related agreements have been terminated. Disputes as to the Interconnection Request and implementation of this Section shall be subject to resolution pursuant to the procedures set forth in this Section.
5. Guidance can be provided in letter form by the Director of Energy Division or designated delegate.
6. Notwithstanding anything to the contrary set forth in this Section N, if Utility and Interconnector are parties to one or more of the agreements relating to the interconnection to the Utility's pipeline system, and any such agreement(s) includes a dispute resolution procedure, the dispute resolution procedure set forth in such agreement(s) shall control over the dispute resolution procedure set forth in this Section N.

(TO BE INSERTED BY UTILITY)

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Noncore Storage Balancing Account (NSBA)	57362-G,57363-G
California Alternate Rates for Energy Account (CAREA)	45882-G,45883-G
Hazardous Substance Cost Recovery Account (HSCRA)	40875-G, 40876-G,40877-G
Gas Cost Rewards and Penalties Account (GCRPA)	40881-G
Pension Balancing Account (PBA)	56828-G,56829-G
Post-Retirement Benefits Other Than Pensions Balancing Account (PBOPBA) ..	56830-G,56831-G
Research Development and Demonstration Surcharge Account (RDDGSA).....	40888-G
Demand Side Management Balancing Account (DSMBA).....	45194-G,41153-G
Direct Assistance Program Balancing Account (DAPBA)	52583-G,52584-G
Integrated Transmission Balancing Account (ITBA)	57979-G,57641-G

(Continued)

(TO BE INSERTED BY UTILITY)
 ADVICE LETTER NO. 5697
 DECISION NO. 20-08-035

ISSUED BY
Dan Skopec
 Vice President
 Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
 SUBMITTED Sep 28, 2020
 EFFECTIVE Oct 28, 2020
 RESOLUTION NO. _____