



GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE

Sheet 1

APPLICABILITY: This schedule* applies to transportation of natural gas for Core End-Use Customers (as defined in Rule 1*) (Customer) who aggregate their gas volumes and who obtain natural gas supply service from parties other than PG&E. The provisions of Schedule G-CT apply to Core End-Use Customers and to the Core Transport Agents (CTA) who supply them with natural gas and provides or obtains services necessary to deliver such gas to PG&E's Distribution System. Rule 23 also sets forth terms and conditions applicable to Core Gas Aggregation Service.

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A group of Core End-Use Customers who aggregate their gas volumes shall comprise a Core Transport Group (Group). The minimum aggregate gas volume for a Group is 12,000 decatherms per year. The Customer must designate a CTA, who is responsible for providing gas aggregation services to Customers in the Group as described herein and in Rule 23. Aggregation of multiple loads at a single facility or aggregation of loads at multiple facilities shall not change the otherwise-applicable rate schedule for a specific facility. Customers electing service under this schedule must request such service for one hundred (100) percent of the core load served by the meter. Schedule G-CT must be taken in conjunction with a core rate schedule.

Core volumes are eligible for service under this schedule, whether or not noncore volumes are also delivered to the same premises. However, core volumes cannot be aggregated with noncore volumes in order to meet the minimum therm requirement for noncore service. Service to core volumes associated with noncore volumes under this schedule applies to all core volumes on the noncore premises.

CTAs, on behalf of a Group, may receive service on PG&E's Backbone Transmission System by utilizing Schedules G-AFT, G-SFT, G-AA, G-NFT, or G-NAA. CTAs may also receive service from PG&E's Storage facilities by utilizing Schedules G-CFS, G-SFS, G-NFS, G-PARK, or G-LEND

TERRITORY: This schedule applies everywhere within PG&E's natural gas Service Territory.

RATES: Customers taking service under Schedule G-CT will receive and pay for service under their otherwise-applicable core rate schedule; except that Customers who procure their own gas supply will not pay the Procurement Charge specified on their otherwise-applicable core rate schedule.

Pursuant to Schedule G-SUR, Customers will be subject to a franchise fee surcharge for gas volumes purchased from parties other than PG&E and transported by PG&E. Customers will also be responsible for any applicable costs, taxes and/or fees incurred by PG&E in receiving gas to be delivered to such Customers.

See Preliminary Statement, Part B for the Default Tariff Rate Components.

* PG&E's gas tariffs are available on-line at www.pge.com.

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San Francisco, California

Cal. P.U.C. Sheet No. 34643-G
Cal. P.U.C. Sheet No. 34058-G

Sheet 2

(Continued)



San Francisco, California

Cal. P.U.C. Sheet No. 34644-G
Cal. P.U.C. Sheet No. 34059-G

Sheet 3

CTAs must execute a GTSA and associated exhibits in order to exercise a preferential right to capacity on the PG&E Redwood and Baja Paths. In addition, CTAs, at their option, may execute a GTSA and associated exhibits for additional Backbone pipeline capacity, which will not be offered at the rates specified for Core Procurement Groups in Schedule G-AFT.

For all pipeline capacity, the CTA shall execute an Allocation of Firm Pipeline Capacity (Form 79-845, Attachment C) (Pipeline Capacity Allocation) in order to exercise any preferential right to an allocation of the offered capacity during the applicable capacity allocation period. Within ten (10) business days of PG&E's offer of pipeline capacity for a given capacity allocation period, the CTA shall be required to elect the volume of pipeline capacity that it wishes to take. The CTA may elect different quantities of capacity for each month and for each pipeline. Failure to execute the Pipeline Capacity Allocation by PG&E's stated deadline will result in the CTA losing preferential right to the capacity during the capacity allocation period. Once the capacity allocation is elected by the CTA, the allocation cannot be changed.

The CTA must meet applicable creditworthiness requirements of the Pipelines. The CTA shall assume full responsibility for the applicable Canadian, interstate, and PG&E Backbone pipeline charges for any capacity allocated to the CTA on behalf of Customers of the Group, and shall make payments directly to the applicable pipeline, in accordance with the applicable pipeline's filed tariffs.

The CTA will be offered Canadian, interstate, and PG&E Backbone capacity reserved for PG&E's Core End-Use Customers as specified on the schedule below:

Offer Date	Capacity Assignment Period
By January 15**	March – June**
By May 15	July – October
By September 15	November – February

**To accommodate the CTA Settlement Agreement effective date of April 1, 2012, the first pipeline capacity offer will be for three (3) months, instead of four (4) months, and will take place by February 15 for April 2012 – June 2012. Subsequent offers will follow the schedule above.

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<i>Submitted</i>	<u>November 2, 2018</u>
<i>Effective</i>	<u>July 20, 2018</u>
<i>Resolution</i>	



**GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE**

Sheet 4

**FIRM WINTER
CAPACITY
REQUIREMENT**

As a condition of a CTA providing gas aggregation services to Customers in a Group, during the Winter Season, November 1 through March 31, CTAs are required to meet the Firm Winter Capacity Requirement as specified below. The Firm Winter Capacity Requirement requires that the CTA contract for firm Backbone pipeline capacity or firm PG&E storage capacity and withdrawal rights equal to the Group's pro rata share of firm Backbone pipeline capacity PG&E has reserved for Core End-Use Customers.

The CTA may satisfy such Firm Winter Capacity Requirement in any combination of the following:

1. Under the terms of Schedules G-SFT or G-AFT, contract with PG&E for all or part of the CTA's path-specific proportionate share of firm Backbone pipeline capacity PG&E has reserved for Core End-Use Customers.
2. Contract with a party other than PG&E for guaranteed use of that party's firm Backbone pipeline capacity or for guaranteed use of that party's firm PG&E storage capacity and withdrawal rights in conjunction with Mission Path capacity under Schedules G-AA or G-NAA or use of third-party firm storage capacity.
3. Contract with PG&E for firm Backbone pipeline capacity or firm storage capacity and withdrawal rights in conjunction with Mission Path capacity under Schedules G-AA or G-NAA or use of third-party firm storage capacity.
4. A CTA may meet the Firm Winter Capacity Requirement by contracting with a party other than PG&E demonstrating firm gas delivery to the PG&E Citygate. 'Demonstrating firm gas delivery' cannot be met by providing a letter from the firm gas supplier guaranteeing Citygate delivery.

Capacity held to satisfy core firm storage requirements may not simultaneously be used to satisfy the Firm Winter Capacity requirement.

Should the CTA exercise Option 2, 3, or 4, above to satisfy the Firm Winter Capacity requirements for any winter month, the CTA shall be required to submit, within five (5) days of notification, an executed Declaration of Alternate Winter Capacity (Form No. 79-845, Attachment J).

If a CTA has fulfilled this Firm Winter Capacity Requirement and has A) incurred no instances of non-compliance with an Emergency Flow Order (EFO), and B) no more than one (1) such instance with a Low Inventory Operational Flow Order (OFO) as specified in Rule 14 for a two-year period, the CTA will no longer be required to meet this Firm Winter Capacity Requirement provided that the Firm Winter Capacity Requirement shall be reinstated for any CTA that subsequently fails to meet the requirements set forth in A) and B) of this paragraph.

**TOTAL CORE
STORAGE
REQUIREMENT,
RESIDUAL PG&E
CORE STORAGE,
AND CTA
STORAGE
REQUIREMENT**

The Total Core Storage Requirement is the amount of storage capacity (or allowed alternate resources) that PG&E Core Gas Supply (CGS) and all CTAs must hold to meet core reliability requirements. The Residual PG&E Core Storage Capacity is that portion of the Total Core Storage Requirement served by PG&E-owned storage facilities.

Total Core Storage Requirement Inventory Capacity: CONFIDENTIAL¹

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¹ Pursuant to Decision (D.)19-09-025, the Total Core Storage Requirement will be shared on a confidential basis with CTAs that execute nondisclosure agreements. PG&E will also share with California Public Advocates Office and The Utility Reform Network (TURN) the total core storage requirement on confidential basis, as appropriate.

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GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE

Sheet 5

TOTAL CORE STORAGE REQUIREMENT, RESIDUAL PG&E CORE STORAGE, AND CTA STORAGE REQUIREMENT (CONT'D)	Residual PG&E Core Storage-Inventory Capacity: 5,175,000 Dth	(T)/(L)
	Each CTA must satisfy its pro rata share of the Total Core Storage Requirement (such pro rata share being termed the CTA Storage Requirement). The CTA Storage Requirement shall be satisfied through a combination of the following: (1) PG&E-Allocated Core Firm Storage that the CTA accepts, or Alternate Resources that the CTA procures in lieu of acceptance of PG&E-Allocated Core Firm Storage; (2) CTA Self-Managed Storage procured from a CPUC-certified Independent Storage Provider (ISP) or from PG&E (if available); and (3) firm storage procured from a CPUC-certified ISP other than as an Alternate Resource or as part of the CTA Self-Managed Storage Program (ISP Firm Storage).	(N) (N)
	Requirements for injection and withdrawal capacities are discussed below and in Schedule G-CFS.	(T)/(L) (T)
ALLOCATION OF TOTAL CORE STORAGE REQUIREMENT AND RESIDUAL PG&E CORE STORAGE:	On an annual basis, PG&E will determine for each Group its CTA Storage Requirement consisting of firm inventory capacity and associated injection and withdrawal capacity (Initial Storage Requirement). The Initial Storage Requirement will be provided and adjusted by a Mid-Year Storage Requirement Adjustment, as described in the next section below. The Initial Storage Requirement and Mid-Year Storage Adjustment will be based on a Group's pro rata share of PG&E's Total Core Firm Storage Requirement, calculated as described below. A CTA shall satisfy its CTA Storage Requirement through a combination of PG&E-Allocated Core Firm Storage during the 7-Year Transition Period (discussed below), CTA Self-Managed Storage procured from an ISP or PG&E (to the extent available), and ISP Firm Storage.	(T) (T) (T) (T)
	By February 15 of each year, PG&E will calculate each Group's Initial Storage Requirement for the upcoming storage year of April 1 through March 31 (Storage Year) based upon the Customers in the Group for April of that year using the Direct Access Service Requests (DASRs) that have been processed to date. PG&E's determination of the CTA Storage Requirement for each Group will be based on the sum of the historical Winter Season gas usage for the Customers in the Group, unless otherwise agreed upon.	(T) (T)
	PG&E's adopted total core Winter Season throughput is: 165,436,602 Dth (R)	(L)
	PG&E shall use the same ratio, calculated above, multiplied by Residual PG&E Core Storage capacity to determine each Group's pro rata share of Residual PG&E Core Storage. PG&E will be obligated to offer that storage capacity to the Group's CTA (PG&E-Allocated Storage). Pursuant to Decision (D.) 16-06-056, the procurement of storage services for CTAs shall transition from PG&E to the CTAs themselves (Self-Managed Storage) during a seven year period beginning April 1, 2018. During this period, PG&E will be obligated to offer a declining portion of the CTA Storage Requirement, with the remaining unoffered portion converting to CTA Self-Managed Storage and, beginning April 1, 2020, ISP Firm Storage. By the end of the transition period, PG&E will not be obligated to offer any storage capacity to the CTA, and all of CTA's Storage Requirement will be Self-Managed Storage or ISP Firm Storage. For additional terms and conditions, refer to the section below entitled <i>CTA Self-Managed Storage</i> .	(T) (T) (T) (T)

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GAS SCHEDULE G-CT
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Sheet 6

ALLOCATION OF TOTAL CORE STORAGE REQUIREMENT AND RESIDUAL PG&E CORE STORAGE (Cont'd):	Within ten (10) business days of PG&E's offer of a pro rata share of Residual PG&E Core Storage capacity, each CTA may, at its option, reject all or part of the offer. A CTA's failure to reject such offered storage capacity by this deadline shall be deemed an acceptance thereof.	(T)/(L) (T)/(L)
	Each CGS/CTA's Storage Requirement shall be satisfied through a combination of: (1) PG&E-Allocated Storage accepted by the CTA, or Alternate Resources acquired by the CTA in lieu of acceptance of PG&E-Allocated Storage; (2) CTA Self-Managed Storage procured from an ISP or from PG&E (if available); and (3) ISP Firm Storage. Storage service provided by PG&E shall be pursuant to Schedule G-CFS.	(T)/(L) (T)/(L)
	Each CTA will be required to execute and shall be subject to the terms and conditions of a Core Firm Storage Requirement (Form No. 79-845, Attachment D) with PG&E. This Form shall specify the CTA's Storage Requirement, the portion of the requirement that PG&E is obligated to offer (and the amounts accepted and rejected by the CTA) the portion of the requirement that is Self-Managed (and the amounts of Self-Managed Storage procured from PG&E and ISP(s)), and the portion of the requirement satisfied by ISP Firm Storage (and the amounts of Firm Storage procured from specific ISP(s)). In the event the CTA rejects a portion of the Initial PG&E-Allocated Storage, it must do so in increments of 10 percent (10%), (e.g., 10%, 20%, 30%, and so forth) up to 100 percent. When this storage is rejected, the CTA must certify Alternate Resources for each Winter month in amounts equivalent to the rejected withdrawal capacity, as more fully set forth elsewhere in this schedule. Gas in storage, for the purpose of providing core reliability, including gas stored using the accepted PG&E-Allocated Storage, may not incur encumbrances of any kind.	(L) (T)/(L) (T)/(L) (L) (L) (T)/(L) (L) (L)
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MID-YEAR ALLOCATION ADJUSTMENT FOR TOTAL CORE STORAGE REQUIREMENT AND RESIDUAL PG&E CORE STORAGE:	By August 15 of each year, PG&E will provide to each CTA a recalculated CTA Storage Requirement based upon the Customers in the CTA's Group for November of that year using the DASRs that have been processed to date. This recalculated CTA Storage Requirement will be compared to the Initial Storage Requirement for the current storage season for purposes of making the Mid-Year Storage Requirement Adjustment.	(T) (T)
	<u>Increase In Load:</u> If the increase in the Mid-Year Storage Requirement is greater than 10,000 decatherms, the CTA will have the option to satisfy part of the increase through acceptance of a pro rata increase in PG&E-Allocated Storage. The CTA must satisfy the remainder of the increase through Alternate Resources the CTA procures in lieu of acceptance of the increase in PG&E-Allocated Storage, Self-Managed Storage the CTA procures from an ISP or from PG&E (if available), and ISP Firm Storage. Any election of PG&E Allocated Storage must be increments of ten percent (10%) of the amount offered, and must be provided by the CTA to PG&E within ten (10) business days of PG&E's offer. The accepted storage capacity will be added to the CTA's storage account effective September 1.	(T) (T)
	If the increase in the Mid-Year Storage Requirement is less than or equal to 10,000 decatherms, the CTA's Storage Requirement will remain unchanged.	(T)

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Sheet 7

MID-YEAR
ALLOCATION
ADJUSTMENT
FOR TOTAL
CORE STORAGE
REQUIREMENT
AND RESIDUAL
PG&E CORE
STORAGE
(Cont'd):

A CTA's failure to reject its mid-year storage offer by the deadline set by PG&E shall be deemed an acceptance of the entire amount.

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For any accepted mid-year increase in PG&E-Allocated Storage, gas in PG&E's Core Gas Supply Department's storage account will be transferred to the CTA core firm storage account at a price and in the amounts specified in Schedule G-CFS. For any increase in Self-Managed Storage procured from PG&E, there will not be a similar transfer of gas; the CTA will be responsible for meeting minimum inventory requirements.

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PG&E's offer of additional storage capacity at mid-year will be contingent on the availability of storage capacity. As described below, there will be an auction of PG&E-Allocated Storage rejected by CTAs before the start of the storage year. Capacity sold at this auction, whether to CTAs or to other parties, will not be available to offer to CTAs at the mid-year adjustment. Similarly, left-over capacity retained by PG&E's Core Gas Supply Department for \$0.01/Dth/month, as described below, will not be available to offer to CTAs at mid-year. CTAs that are eligible for an increase in storage capacity at Mid-Year will be offered that capacity only to the extent that PG&E's Core Gas Supply Department and/or other CTAs (that accepted their initial PG&E-Allocated Storage) have experienced a decrease in load sufficient to require them to relinquish storage capacity.

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Decrease In Load: If the decrease in the Mid-Year Storage Requirement is more than 10,000 decatherms, and the CTA has PG&E-Allocated Storage, the CTA must accept a proportional reduction in its PG&E-Allocated Storage effective September 1. For example, a CTA that experiences a 20% reduction between its Initial Storage Requirement and its Mid-Year Storage Requirement must relinquish 20% of its accepted initial PG&E-Allocated Storage.

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If the decrease in the Mid-Year Storage Requirement is less than or equal to 10,000 decatherms, the CTA's Storage Requirement will remain unchanged.

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For reduction in the CTA's PG&E-Allocated Storage, gas in the CTA's core firm storage account will be transferred to PG&E Core Gas Supply Department's storage account at a price and in the amounts specified in Schedule G-CFS.

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GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE

Sheet 8

**CTA SELF-
MANAGED
STORAGE**

Pursuant to D.16-06-056, the procurement of storage services for CTAs shall transition from PG&E to the CTAs themselves (Self-Managed Storage) during a seven-year transition period commencing on April 1, 2018. During this transition period, PG&E-Allocated Storage will be reduced as follows: for the first four years (April 2018 - March 2022) by 10% each year; and for the last three years (April 2022 - March 2025) by 20% each year. CTAs may still reject some or all of the PG&E-Allocated Storage, and will continue to be responsible for stranded costs as specified in the section below entitled *Cost Responsibility For CTA-Rejected Firm Pipeline Capacity And Firm Storage Inventory Capacity*. CTAs may procure Self-Managed Storage from PG&E, to the extent available, or from a CPUC-certified ISP. During each year's initial storage allocation process, PG&E will calculate for each CTA the PG&E-Allocated Storage and the Self-Managed Storage. CTAs will have an annual option to procure Self-Managed Storage from PG&E (to the extent available) or ISPs. Such Self-Managed Storage elections will follow the same initial and mid-year storage process timelines described above. Self-Managed Storage procured from PG&E will be offered at the prevailing firm tariff rate in Schedule G-CFS (Core Firm Storage) and is subject to availability. In the case that total Self-Managed Storage requested amounts exceed the available PG&E storage capacity; PG&E will prorate all Self-Managed Storage requested amounts.

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The table below shows the transition from PG&E-Allocated Storage to Self-Managed Storage. Self-Managed Storage may be procured in combination from PG&E (to the extent available) and from ISPs. Self-Managed Storage procured from PG&E must be elected in 10% increments of CTA's overall Storage Requirement, up to the maximum allowed for that year. For example, in Year 2, a CTA may elect a Self-Managed percentage of 0% from PG&E and 20% from ISPs, or 10% from PG&E and 10% from ISPs, or 20% from PG&E and 0% from ISPs.

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**GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE**

Sheet 9

CTA SELF-
MANAGED
STORAGE
(Cont'd.)

Year	Transition Period Year	Percentage of Residual PG&E Core Storage Quantity that is PG&E- Allocated Storage	Percentage of Residual PG&E Core Storage that is Self-Managed-- procured from PG&E or ISPs	Percentage of Residual PG&E Core Storage that is Self-Managed and that CTA may Procure from PG&E, to the extent available (in 10% increments)
1	April 2018 – March 2019	90%	10%	0% - 10%
2	April 2019 – March 2020	80%	20%	0% - 20%
3	April 2020 – March 2021	70%	30%	0% - 30%
4	April 2021 – March 2022	60%	40%	0% - 40%
5	April 2022 – March 2023	40%	60%	0% - 60%
6	April 2023 – March 2024	20%	80%	0% - 80%
7	April 2024 – March 2025 & Beyond	0%	100%	0% - 100%

As specified in the *Mid-Year Core Firm Storage Allocation Adjustment* section above, PG&E will provide to the CTAs recalculated CTA Storage Requirements, including each CTA's Self-Managed Storage. Any mid-year storage adjustment, either an increase or a decrease in capacity, will be apportioned between the CTA's PG&E-Allocated Storage and its Self-Managed Storage.

CTAs that are subject to a mid-year increase in their Storage Requirement must procure additional Self-Managed Storage from either PG&E (to extent available) or ISPs and filled to meet the same Month-end Minimum Inventory target level for the Injection Period as specified in gas rate schedule G-CFS.

CTAs that are subject to a mid-year decrease in their Storage Requirement may not reduce their Self-Managed Storage procured from PG&E.

CTAs that procure Self-Managed Storage from an ISP are subject to the section below entitled *Alternate Storage Resources and CTA Certification for CTA Self-Managed Storage and ISP Firm Storage*. CTAs must provide Certification of Alternate Storage Resources for Self-Managed and ISP Firm Storage Capacity. (Form No. 79-845M, Attachment M) for the entire storage year.

CTAs that decline to procure Self-Managed Storage have the option to use Alternate Resources in the third and subsequent years of the Self-Managed Storage by submitting Attachment I – Certification of Alternate Resources (Form 79-845I).

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GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE

Sheet 10

**CTA SELF-
MANAGED
STORAGE**
(Cont'd.)

PG&E reserves the option to submit a Tier 2 Advice submittal to suspend or modify the use of Alternate Resources under the CTA Self-Managed Storage program for the following storage season if the following two conditions exist:

1. Aggregate CTA elections of non-storage Alternate Resources under the Self-Managed Storage program reach or exceed 500,000 Dth Annual Inventory equivalent; and
2. PG&E can demonstrate a significant adverse impact to core reliability or system reliability.

In Year 7 and each year after, PG&E shall continue to provide calculation of CTAs' Storage Requirements during the annual and mid-year storage processes. There will be no more PG&E-Allocated Storage. The full amount of the CTA Storage Requirement will be ISP Firm Storage and Self-Managed Storage that may be procured from PG&E (to extent available) or ISPs.

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**ISP FIRM
STORAGE**

Pursuant to D. 19-09-025, effective April 1, 2020, the overall capacity of PG&E-owned and operated natural gas storage facilities will be reduced. In addition, the PG&E-owned storage capacity assigned to Core Storage Service will be reduced to the Residual PG&E Core Storage Service described in Schedule G-CFS. Accordingly, to meet the Reliability Standard adopted in the Decision, CTAs, must make up the storage shortfall by contracting for additional firm storage services with ISPs. Such firm storage service (ISP Firm Storage) is over and above any storage service that CTAs may already be taking from ISPs under the Alternate Resource requirements or the CTA Self-Managed Storage program.

CTAs shall meet these incremental firm storage requirements with firm storage capacity procured from a CPUC-certified ISP (or from PG&E if available). In total, the CTA Storage Requirement shall be fulfilled by a combination of the following: (1) PG&E-Allocated Storage that the CTA accepts, or Alternate Resources that the CTA procures in lieu of accepting PG&E-Allocated Storage; (2) Self-Managed Storage that the CTA procures from ISPs or from PG&E (if available); and (3) ISP Firm Storage.

CTAs shall continue to comply with the seven-year Transition Period during which PG&E-Allocated Storage (or Alternate Resources) is phased out and CTA Self-Managed Storage is phased in. Because holding sufficient amounts of firm storage capacity is critical to providing reliable service to core customers, CTAs will be required to provide verification of storage procured from ISPs to PG&E Gas Operations. Such verification must demonstrate that the storage service complies with the guidelines in Form 79-845M and referenced in the section below entitled Alternate Storage Resources and CTA Certification for CTA Self-Managed Storage and ISP Firm Storage.

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San Francisco, California

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Sheet 11

PG&E STORAGE PAYMENTS:	For those months during which the CTA holds PG&E Storage, the CTA will pay a monthly charge equal to the inventory volume associated with its PG&E Storage, multiplied by the monthly rate specified in Schedule G-CFS for the applicable month.	(L)
	The CTA will pay the same rates that PG&E's Core Gas Supply Department pays for the capacity as well as any other applicable rates, fees, and charges.	(L)
ALTERNATE RESOURCES AND CTA CERTIFICATION FOR PG&E-ALLOCATED STORAGE AND SELF-MANAGED STORAGE REJECTED BY CTA:	For PG&E-Allocated Storage withdrawal capacity and Self-Managed Storage rejected by a CTA in the Initial Storage or Mid-Year Storage process, Alternate Resources, in like amounts, will be required as provided below. On a monthly basis, during the Winter Season, CTAs shall submit an executed <u>Certification of Alternate Resources for Rejected PG&E-Allocated Storage Withdrawal Capacity and Self-Managed Storage Capacity</u> (Form No. 79-845, Attachment I). The CTA must provide such certification to PG&E as specified by PG&E. PG&E will not require these certifications earlier than ten (10) business days prior to the beginning of each Winter month.	(L)
	Certified Alternate Resources may not duplicate any resources offered as replacements for Firm Winter Backbone capacity that the CTA may be required to hold. The CTA must satisfy the Alternative Resources obligation with any combination of the following:	
	1. Contracted firm storage services from PG&E or from an on-system CPUC-certified independent storage provider; and/or	
	2. Contracted firm PG&E Backbone capacity matched with an equivalent volume of contracted upstream gas supply, plus any necessary firm upstream pipeline capacity (upstream gas supply may include a gas producer contract, or a contract with an off-system CPUC-certified, gas utility or independent storage provider); and/or	
	3. Third-party peaking supply arrangements, where that supply is backed up by contracts, as specified in 1. or 2., above.	(L)
ALTERNATE STORAGE RESOURCES AND CTA CERTIFICATION FOR CTA SELF-MANAGED STORAGE:	Each year CGS/CTAs will be required to certify Alternate Storage Resources, in like amounts, for Self-Managed Storage not elected from PG&E and for ISP Firm Storage, as described below. On a monthly basis (summer and winter), CTAs shall submit an executed Certification of Alternate Storage Resources for Self-Managed Storage Capacity and ISP Firm Storage Capacity (Form No. 79-845M, Attachment M). PG&E will not require these certifications earlier than ten (10) business days prior to the beginning of each month. This form will not be required for Self-Managed Storage is procured from PG&E. Certified Alternate Storage Resources may not simultaneously be used to fulfill both Attachment J and Attachment I. CTAs shall procure Alternate Storage Resources from an ISP as outlined on the Attachment M with the following:	(T)/(L) (T)/(L) (L) I (T)/(L) (L) (T)/(L) (L) I (L)
	1. Fixed Equivalent Withdrawal (FEW) under Schedule G-CFS; and	(T)/(L)
	2. Month-end minimum inventory target levels equal to those levels required under Schedule G-CFS. To the extent CGS/CTAs do not meet their minimum inventory targets, there will be a noncompliance fee calculated based on the monthly tiered rate from the Cashout Pricing as specified in Schedule G-BAL and will be calculated cumulatively based on the tier shortfall storage inventory volume as shown in the table and the categories below.	(L) (T)/(L) I I I (T)/(L)

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**GAS SCHEDULE G-CT
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Sheet 12

ALTERNATE
STORAGE
RESOURCES
AND CTA
CERTIFICATION
FOR CTA SELF-
MANAGED
STORAGE
(Cont'd) :

Tier	Storage Inventory Noncompliance Fee Mechanism	
	Storage Inventory Noncompliance Fee	Tier Shortfall Volume Calculated based on Cumulative Storage Inventory Targets
Tier 1	25%*Weighted Under Delivery (WUD) Index	up to 10% of month-end minimum target
Tier 2	50%*Under Delivery (UD) Index	greater than 10% of month-end minimum target

Additionally, pursuant to D.19-09-025, PG&E shall submit a quarterly report to the CPUC's Energy Division that lists the CGS/CTAs that are not complying with the core gas storage requirements.

The CTA must satisfy the Alternate Storage Resource requirement with any combination of the following:

1. Contracted firm storage services from an on-system CPUC-certified independent storage provider (ISP) where that supply is backed up by contracts; or
2. Contracted firm storage services from PG&E; or
3. Combination of 1 and 2 above.

RELEASE AND
INDEMNIFICA-
TION OF PG&E:

For any rejection of the Initial or the Mid-Year PG&E-Allocated Storage to be effective, the CTA shall sign and deliver to PG&E a Core Firm Storage Requirement (Form 79-845, Attachment D). This form shall release PG&E from liability associated with that CTA's rejection of storage assets, as well as indemnify PG&E for losses that arise: (i) from any representation in the CTA's monthly Alternate Resources or Alternate Storage Resources certifications which turns out to be inaccurate, or (ii) from any failure of the CTAs Alternate Resources or CTAs' Alternate Storage Resources to perform.

COST
RESPONSIBILITY
FOR CTA-
REJECTED FIRM
PIPELINE
CAPACITY AND
FIRM STORAGE
INVENTORY
CAPACITY:

There will be a three-year period (Transition Period) during which PG&E's Core Gas Supply Department will be obligated to retain and pay for a decreasing share of any firm pipeline capacity or firm storage inventory capacity offered to but rejected by CTAs (CTA-Rejected Capacity), and the CTAs will take increasing cost responsibility for such rejected capacity. By the end of the Transition Period, the CTAs will take full cost responsibility for such capacity. The maximum aggregate amount (as a percentage of the total Core capacity holding and applied to annual storage and individually to each pipeline for each month) of the rejected capacity that PG&E's Core Gas Supply Department will be obligated to retain is shown in the table below:

Transition Period Years	Maximum Percentage
April 2012 – March 2013	12%
April 2013 – March 2014	7%
April 2014 – March 2015	4%
Post March 2015	0%

Any firm pipeline and storage capacity rejected by the CTAs in aggregate in excess of the above amounts will remain the cost responsibility of the CTAs

(Continued)



GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE

Sheet 13

**COST
RESPONSIBILITY
FOR CTA-
REJECTED FIRM
PIPELINE
CAPACITY AND
FIRM STORAGE
INVENTORY
CAPACITY
(Cont'd.):**

April 2015 onward is designated the "Post-Transition Period," during which CTAs will assume full cost responsibility for all rejected firm pipeline capacity and rejected firm storage inventory capacity.

In order to mitigate the costs borne by CTAs for capacity rejected by them and not retained by PG&E's Core Gas Supply Department, PG&E will, as a service to CTAs, offer such capacity to the market and will credit the capacity release proceeds against the costs otherwise owed to PG&E by the CTAs. The capacity release process is described in the next section.

Any CTA-Rejected Capacity costs remaining after PG&E's Core Gas Supply Department has retained a portion of such capacity, as described above, and PG&E has attempted to release such capacity, as described in the next section, will be allocated to and invoiced to the CTAs in proportion to the amount of capacity rejected by each CTA. This allocation will be performed on a pipeline-by-pipeline, month-by-month basis. CTA-Rejected Capacity costs arising from capacity offered to, but rejected by, a particular CTA during the Mid-Year Core Firm Storage Allocation Adjustment will be invoiced directly to that CTA except for the reservation rate of one penny per decatherm per month (\$0.01/Dth/month) paid by PG&E's Core Gas Supply Department, as described in the next section.

PG&E's Core Gas Supply Department will retain and take cost responsibility for a portion of the aggregate CTA-Rejected Capacity during the transition period, as described above. PG&E will manage the remaining CTA-Rejected Capacity (Net CTA-Rejected Capacity) in the following manner: PG&E will attempt to release the Net CTA-Rejected Capacity to the marketplace through an auction, bulletin board listing or similar process. As PG&E will have very little discretion in how this capacity will be resold, a CTA cannot protest the results of that process. To the extent left-over capacity remains after the capacity release process, PG&E's Core Gas Supply Department will retain this left-over capacity at the rate described below.

PG&E will, as a service to CTAs, offer the Net CTA-Rejected Capacity to the marketplace prior to each capacity allocation period, that is, three (3) times per year for Pipeline capacity and once per year for storage capacity. For Pipeline capacity, PG&E will also offer Net CTA-Rejected Capacity once per month during each capacity allocation period to the extent capacity remains available. In offering capacity for release, PG&E will abide by the established capacity release procedures and applicable tariff provisions of the various Pipelines on which the rejected capacity is released. To the extent these procedures and requirements change, PG&E will adjust its procedures for the release of rejected capacity as may be appropriate.

PG&E will offer Pipeline capacity on the following basis:

1. Only single-month, single-Pipeline contracts through the end of the current capacity allocation period will be offered. Contracts for multiple Pipelines, multiple products (transmission and storage service), or multiple months will not be bundled together.
2. Any reservation rate bid greater than zero will be acceptable.
3. The minimum acceptable bid quantity will be the lesser of (i) one thousand (1,000) Dth/d, or (ii) the total capacity offered for that month on that Pipeline.
4. All applicable Pipeline tariff rates and fees other than the reservation rate will continue to apply, and will be the responsibility of the successful bidder.

(L)

(L)

(Continued)



**GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE**

Sheet 14

TREATMENT OF
CTA-REJECTED
FIRM PIPELINE
CAPACITY AND
FIRM STORAGE
INVENTORY
CAPACITY
(Cont'd.):

PG&E will offer Pipeline capacity on the following basis (cont'd):

(L)

5. Pipeline contracts will be awarded for each month based upon the reservation rate--- highest rate first, lowest rate last. In the event there are two or more bids of equal value for a combined contract quantity greater than the remaining available capacity on a given pipeline, the bidders will each be awarded a pro rata amount of the remaining available capacity for that month.
6. Bidders must satisfy all applicable creditworthiness requirements of the Pipeline(s) on which they are bidding for capacity.

To the extent Net CTA-Rejected Capacity remains unallocated after the initial auction of Pipeline capacity prior to each capacity allocation period, PG&E's Core Gas Supply Department will be deemed to have bid a reservation rate of one penny per decatherm per month (\$0.01/Dth/month) for such capacity. This deemed bid shall apply only to the first month of the Pipeline capacity allocation period, that is, to the capacity for use during the next immediate month. To the extent Net CTA-Rejected Capacity remains unallocated after each subsequent monthly Pipeline capacity auction during the capacity allocation period, PG&E's Core Gas Supply Department will similarly be deemed to have bid a reservation rate of \$0.01/Dth/month for such capacity, but only for the first month that capacity is offered in each auction.

PG&E's Core Gas Supply Department will retain these unallocated Pipeline capacity amounts in its contracts with the various Pipelines, and will have rights to use and/or release this capacity in the same manner as its other capacity holdings. The \$0.01/Dth/month effective reservation rate will be credited against the costs otherwise owed by the CTAs to PG&E in the same manner as the auction proceeds. The CTAs will be responsible for all other reservation costs associated with these Pipeline capacities, other than the \$0.01/Dth/month rate.

PG&E will offer storage capacity to the marketplace once a year, prior to the start of the annual Storage Year (April - March). PG&E will not offer rejected storage capacity to the market following the Mid-Year Storage Allocation Adjustment or at any other time. PG&E will offer storage capacity on the following basis:

1. Only 12-month bids will be acceptable. Contracts for multiple products (transmission and storage service) on one or more pipelines may not be bundled together.
2. Any reservation rate greater than zero will be acceptable.
3. The minimum acceptable bid quantity will be the lesser of (i) ten thousand (10,000) Dth of inventory plus associated injection and withdrawal rights, or (ii) the total storage capacity offered.
4. Injection and withdrawal rights will be allocated in the proportions indicated earlier under Allocation Of Core Firm Storage.
5. Storage contracts will be awarded for the entire Storage Year based upon the reservation rate: highest rate first, lowest rate last. In the event there are two or more bids of equal value for a combined contract quantity greater than the available storage capacity at a given price, the bidders will each be awarded a pro rata amount of the available storage capacity.
6. Bidders must satisfy all applicable creditworthiness requirements for the awarded storage capacity specified in PG&E's Tariffs.

(L)

(Continued)



GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE

Sheet 15

TREATMENT OF CTA-REJECTED FIRM PIPELINE CAPACITY AND FIRM STORAGE INVENTORY CAPACITY (Cont'd.):	<p>To the extent Net CTA-Rejected Capacity remains unallocated after the initial auction of Storage capacity prior to the annual capacity allocation period, PG&E's Core Gas Supply Department will be deemed to have bid a reservation rate of one penny per decatherm per month (\$0.01/Dth/month) for such capacity. This deemed bid shall apply to the entire 12-month Storage capacity allocation period. Further, to the extent additional Net CTA-Rejected Capacity remains after the Mid-Year Allocation Adjustment, PG&E's Core Gas Supply Department will similarly be deemed to have bid a reservation rate of \$0.01/Dth/month for such capacity for the remaining months in the Storage Year.</p> <p>PG&E's Core Gas Supply Department will retain these unallocated capacity amounts in its Storage contract, and will have rights to use such capacity in the same manner as its other Storage capacity holdings. The \$0.01/Dth/month effective reservation rate will be credited against the costs otherwise owed by the CTAs to PG&E in the same manner as the auction proceeds. The CTAs will be responsible for all other reservation costs associated with this Storage capacity, other than the \$0.01/Dth/month rate.</p>	(L)
ASSIGNMENT:	<p>PG&E Backbone pipeline capacity or storage capacity allocation accepted under this schedule, including associated rights and obligations, may be assigned by a CTA, in accordance with Schedule G-CFS, subject to PG&E's creditworthiness requirements.</p> <p>A Storage allocation accepted under this schedule can be assigned at any time during the Storage Year but must be for the remainder of the Storage Year term. Injection and withdrawal rights will be determined in proportion to the assigned storage inventory. The assignee of storage capacity allocation accepted under this schedule will not be subject to minimum gas inventory requirements.</p> <p>For PG&E Backbone pipeline capacity or storage capacity allocation accepted under this schedule and subsequently assigned, CTAs shall provide Alternate Resources during the winter months as prescribed in the "Firm Winter Capacity Requirement" and "Alternate Resources And CTA Certification" sections of this schedule.</p>	
NOMINATIONS:	Nominations are required from the CTA, on behalf of the Group, as specified in Rule 21.	
BALANCING SERVICE:	Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL.	
BILLING/ PAYMENT:	Rule 23 and Rule 25 provide the terms and conditions of billing and payment procedures under this schedule.	
CREDIT- WORTHINESS:	<p>Customers must meet PG&E's creditworthiness standards as set forth in Rules 6 and 7. Customers who have established credit with PG&E will not be required to pay an additional or new deposit to be eligible for service under this schedule.</p> <p>The CTA must meet the requirements specified in Rule 23 and Rule 25 before it may provide gas aggregation services under this schedule.</p>	(L)



**GAS SCHEDULE G-CT
CORE GAS AGGREGATION SERVICE**

Sheet 18

TREATMENT OF CTA-REJECTED FIRM PIPELINE CAPACITY AND FIRM STORAGE INVENTORY CAPACITY (Cont'd.):	To the extent Net CTA-Rejected Capacity remains unallocated after the initial auction of Storage capacity prior to the annual capacity allocation period, PG&E's Core Gas Supply Department will be deemed to have bid a reservation rate of one penny per decatherm per month (\$0.01/Dth/month) for such capacity. This deemed bid shall apply to the entire 12-month Storage capacity allocation period. Further, to the extent additional Net CTA-Rejected Capacity remains after the Mid-Year Allocation Adjustment, PG&E's Core Gas Supply Department will similarly be deemed to have bid a reservation rate of \$0.01/Dth/month for such capacity for the remaining months in the Storage Year.	(L)
	PG&E's Core Gas Supply Department will retain these unallocated capacity amounts in its Storage contract, and will have rights to use such capacity in the same manner as its other Storage capacity holdings. The \$0.01/Dth/month effective reservation rate will be credited against the costs otherwise owed by the CTAs to PG&E in the same manner as the auction proceeds. The CTAs will be responsible for all other reservation costs associated with this Storage capacity, other than the \$0.01/Dth/month rate.	
ASSIGNMENT:	PG&E Backbone pipeline capacity or storage capacity allocation accepted under this schedule, including associated rights and obligations, may be assigned by a CTA, in accordance with Schedule G-CFS, subject to PG&E's creditworthiness requirements.	
	A Storage allocation accepted under this schedule can be assigned at any time during the Storage Year but must be for the remainder of the Storage Year term. Injection and withdrawal rights will be determined in proportion to the assigned storage inventory. The assignee of storage capacity allocation accepted under this schedule will not be subject to minimum gas inventory requirements.	
	For PG&E Backbone pipeline capacity or storage capacity allocation accepted under this schedule and subsequently assigned, CTAs shall provide Alternate Resources during the winter months as prescribed in the "Firm Winter Capacity Requirement" and "Alternate Resources And CTA Certification" sections of this schedule.	
NOMINATIONS:	Nominations are required from the CTA, on behalf of the Group, as specified in Rule 21.	
BALANCING SERVICE:	Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL.	
BILLING/ PAYMENT:	Rule 23 and Rule 25 provide the terms and conditions of billing and payment procedures under this schedule.	
CREDIT-	Customers must meet PG&E's creditworthiness standards as set forth in Rules 6 and 7.	
WORTHINESS:	Customers who have established credit with PG&E will not be required to pay an additional or new deposit to be eligible for service under this schedule.	
	The CTA must meet the requirements specified in Rule 23 and Rule 25 before it may provide gas aggregation services under this schedule.	(L)