

Jane K. Yura Vice President Regulation and Rates Mail Code B10B Pacific Gas and Electric Company P.O. Box 770000 San Francisco, CA 94177

Fax: 415.973.6520

March 11, 2011

Advice 3194-G

(Pacific Gas and Electric Company ID U 39 G)

Public Utilities Commission of the State of California

<u>Subject</u>: Gas Rule 21 In-Kind Shrinkage Allowance Adjustments for Backbone Transmission and Distribution

Pacific Gas and Electric Company ("PG&E") hereby submits for filing revisions to the natural gas in-kind shrinkage allowances for backbone transmission and distribution service shown in PG&E's gas Rule 21—*Transportation of Natural Gas.* The affected tariff sheets are listed on the enclosed Attachment I.

<u>Purpose</u>

In-kind shrinkage allowances represent the unaccounted-for gas and the utility fuel use attributable to the volume of natural gas received by PG&E for transmission, distribution and storage service. In Decision ("D.") 03-12-061, the California Public Utilities Commission ("Commission") authorized the shrinkage allowances to be updated annually or as necessary at other times of the year to match the actual shrinkage experienced on PG&E's system. This is reflected in Gas Preliminary Statement Part C—*Gas Accounting Terms and Definitions,* Part C.12.c. and Gas Rule 21, which state that PG&E may adjust distribution, transmission and storage¹ shrinkage annually through an advice letter compliance filing, or as necessary at other times of the year through a separate advice letter filing.

PG&E proposes two separate adjustments to the existing backbone transmission and distribution shrinkage allowances to be effective May 1, 2011. The first adjustment updates the base shrinkage allowances to reflect the current shrinkage

¹ Per D.03-12-061 and Gas Preliminary Statement Part C, Section 12.c, PG&E is authorized to update its storage in-kind shrinkage allowances on an annual basis through an advice letter compliance filing to be effective April 1. After reviewing its current in-kind shrinkage allowance for storage, PG&E has determined that no revision to the current allowance is necessary at this time.

forecast data for 2011. The second adjustment reduces a natural gas shrinkage over-collection balance on PG&E's gas pipeline system.

Background

In Advice 3164-G, the Commission adopted PG&E's proposed transmission and distribution Shrinkage Base Allowances and eliminated the existing Shrinkage Adjustment Adder Allowance effective January 1, 2011, to better match the 2011 shrinkage forecast and to avoid the shrinkage imbalance from moving into an over-collection position. Based on the latest actual shrinkage data, the shrinkage imbalance is currently an over-collection balance of approximately 2.7 million decatherms. In order to avoid continuing to be in the over-collection position, PG&E proposes two separate adjustments to the existing backbone transmission and distribution shrinkage allowances to be effective May 1, 2011, as described herein.

Shrinkage Base Allowance Forecast Update

The proposed shrinkage base allowances are calculated using PG&E's latest forecast of shrinkage on its system and PG&E's 2011 customer demand forecast from its Gas Accord V Settlement (Application ("A.") 09-09-013). The proposed Shrinkage Base Allowances in this filing are shown in the following table:

	Current Base Allowance	Proposed Base Allowance	Proposed Change
Transmission – Redwood to Off-	0.9%	0.9%	
System			
Transmission – Mission to	0.0%	0.0%	
On/Off-System			
Transmission – All other	1.1%	0.9%	-0.2%
backbone paths			
Distribution – Noncore	0.2%	0.2%	### SHT
Distribution – Core (Annual) ²	2.6%	1.8%	-0.8%

Proposed In-Kind Shrinkage Base Allowance

² The Gas Accord V ("GAV") Settlement filed on August 20, 2010 (A.09.09.13), includes a provision for seasonal core distribution shrinkage allowance structure. If and when the Commission approves GAV, PG&E will file to implement the corresponding core seasonal distribution shrinkage allowances via a separate compliance filing for the GAV implementation.

The proposed Shrinkage Base Allowances are designed to recover PG&E's current shrinkage forecast for 2011. The 2011 shrinkage forecast includes an adjustment volume for reduction in Gas Department Use ("GDU") associated with electric compressor units.

Temporary In-Kind Shrinkage Credit Adjustment

In this filing, PG&E is proposing an adjustment to reduce an existing overcollection of the in-kind shrinkage volumes. The in-kind shrinkage over-collection balance is approximately 2.7 million decatherms. PG&E has allocated this in-kind shrinkage over-collection quantity consistent with the existing methodology for allocating all other unaccounted-for gas volumes.³ PG&E proposes to reduce the current volume of over-collected shrinkage to zero over a 16-month period. However, the actual time required to reduce the over-collection quantity will depend on the volume of on-system usage. At such time as the level of the overcollected shrinkage approaches zero, PG&E will file an advice letter to eliminate the in-kind shrinkage credit allowances. The proposed temporary in-kind Shrinkage Credit Adjustments in this filing are shown in the following table:

	Existing Adjustment Allowance	Proposed Adjustment Allowance	Proposed Change
Transmission – All other backbone paths	0.0%	-0.1%	-0.1%
Distribution – Core	0.0%	-0.4%	-0.4%

Total In-Kind Shrinkage Allowance Forecast Update

The following table reflects the total proposed changes to the shrinkage allowances, combining the implementation of the in-kind Shrinkage Credit Adjustment and the 2011 Shrinkage Base Allowance update.

³ PG&E's proposal to implement a temporary credit to the shrinkage allowance to return an overcollection quantity is consistent with methodology formerly approved by the Commission in Advice 2365-G. The credit became effective March 2002 and was removed effective March 2003 pursuant to Advice 2438-G.

	Current Total Allowance	Proposed Total Allowance	Proposed Change
Transmission – Redwood to Off- System	0.9%	0.9%	
Transmission – Mission to On/Off-System	0.0%	0.0%	****
Transmission – All other backbone paths	1.1%	0.8%	-0.3%
Distribution – Noncore	0.2%	0.2%	
Distribution – Core (Annual) ⁴	2.6%	1.4%	-1.2%

Proposed Total Shrinkage Allowance Update

PG&E will continue to monitor the shrinkage on its system and will adjust the shrinkage allowances through advice letter filings in the future, as necessary.

This filing will not affect any other rate or charge, cause the withdrawal of service, or conflict with any other rate schedule or rule. Workpapers supporting the proposed changes are included in Attachment 2 to this filing.

Tariff Revisions

The revised backbone transmission shrinkage allowance percentages are reflected in gas Rule 21, Section B.1.a. The revised distribution shrinkage allowance percentages are reflected in Gas Rule 21, Section B.1.b.

Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, by facsimile or electronically, any of which must be received no later than **March 31**, **2011**, which is 20 days from the date of this filing. Protests should be mailed to:

⁴ If and when the Commission approves GAV, PG&E will file to implement the corresponding core seasonal distribution shrinkage allowances via a separate compliance filing for the GAV implementation. The proposed annual Core Distribution Shrinkage Allowance from this filing will be replaced with seasonal allowances including the proposed in-kind shrinkage credit adjustment will be at 0.9% for summer (April-October) and 1.6% for winter season (November- March).

CPUC Energy Division Tariff Files, Room 4005 DMS Branch 505 Van Ness Avenue San Francisco, California 94102

Facsimile: (415) 703-2200 E-mail: jnj@cpuc.ca.gov and mas@cpuc.ca.gov

Copies also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest also should be sent via U.S. Mail (and by facsimile and electronically, if possible) to PG&E at the address shown below on the same date it is mailed or delivered to the Commission:

Jane K. Yura Vice President, Regulation and Rates Pacific Gas and Electric Company 77 Beale Street, Mail Code B10B P.O. Box 770000 San Francisco, California 94177

Facsimile: (415) 973-6520 E-mail: PGETariffs@pge.com

Effective Date

In order to provide gas transportation customers notice of the shrinkage change, PG&E requests notice of this advice letter approval by April 11, 2011, and that the tariffs be approved effective **May 1, 2011**. PG&E will inform gas transportation customers of the new shrinkage allowances on its Pipe Ranger Web site: http://www.pge.com/pipeline/ once this filing is approved.

<u>Notice</u>

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the service list for A.09-09-013. Address changes to the General Order 96B service list and all electronic approvals should be directed to e-mail PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at

Process_Office@cpuc.ca.gov. Advice letter filings can also be accessed electronically at http://www.pge.com/tariffs/.

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Vice President – Regulation and Rates

cc: Service List for A.09-09-013

Attachments

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY

ENERGY UTILITY

MUST BE COM	PLETED BY UTILITY (A	ttach additional pages as needed)
Company name/CPUC Utility No. Pacific C	Gas and Electric Comp	any (ID U39 M)
Utility type:	Contact Person: Linda	Tom-Martinez
☑ ELC	Phone #: (415) 973-46	12
□ PLC □ HEAT □ WATER	E-mail: lmt1@pge.cor	
EXPLANATION OF UTILITY T		- (Date Filed/ Received Stamp by CPUC)
ELC = Electric $GAS = Gas$		(= =
	WATER = Water	
Advice Letter (AL) #: <u>3194-G</u>		Tier: <u>2</u>
Subject of AL: Gas Rule 21 In-Kind Shrinka	ge Allowance Adjustme	nts for Backbone Transmission and Distribution
Keywords (choose from CPUC listing): <u>Tra</u>	nsportation, Complianc	2
AL filing type: \Box Monthly \Box Quarterly \Box And	ual ØOne-Time □ Oth	27
If AL filed in compliance with a Commission or	der, indicate relevant Dec	sion/Resolution #:
Does AL replace a withdrawn or rejected AL?	If so, identify the prior AL	: <u>No</u>
Summarize differences between the AL and the	prior withdrawn or rejecte	d AL ¹ :
Is AL requesting confidential treatment? If so,	what information is the uti	lity seeking confidential treatment for:
Confidential information will be made available	to those who have execut	ed a nondisclosure agreement: 🗆 Yes 📮 No
Name(s) and contact information of the person(s information:	s) who will provide the no	ndisclosure agreement and access to the confidential
Resolution Required? Yes □ ☑No		
Requested effective date: May 1, 2011		No. of tariff sheets: $\underline{4}$
Estimated system annual revenue effect (%): N	<u>/A</u>	
Estimated system average rate effect (%): <u>N/A</u>		
When rates are affected by AL, include attachm commercial, large C/I, agricultural, lighting).	ent in AL showing averag	e rate effects on customer classes (residential, small
Tariff schedules affected: Gas Rule 21		
Service affected and changes $proposed^1: N/A$		
Pending advice letters that revise the same tariff	sheets: <u>N/A</u>	
Protests, dispositions, and all other corresponde otherwise authorized by the Commission, and sh		due no later than 20 days after the date of this filing, unless
CPUC, Energy Division		c Gas and Electric Company
Tariff Files, Room 4005		Jane Yura Vice President, Degulation and Dates
DMS Branch		Vice President, Regulation and Rates ale Street, Mail Code B10B
505 Van Ness Ave., San Francisco, CA 94102	P.O. 1	3ox 770000
jnj@cpuc.ca.gov and mas@cpuc.ca.gov		rancisco, CA 94177 il: PGETariffs@pge.com

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
28812-G	GAS RULE NO. 21 TRANSPORTATION OF NATURAL GAS Sheet 2	28608-G
28813-G	GAS RULE NO. 21 TRANSPORTATION OF NATURAL GAS Sheet 3	28609-G
28814-G	GAS TABLE OF CONTENTS Sheet 1	28810-G
28815-G	GAS TABLE OF CONTENTS Sheet 6	28611-G

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	TRANS	GAS RULE N PORTATION OF		3	Sheet 2
B. QUANT	ITIES OF GAS (Cont'd.)			
1. IN-F	KIND SHRINKAGE ALL	OWANCE (Cont'o	d.)		
a.	Backbone Transmissic	on Shrinkage			
	A Customer transportir shall deliver each day quantity of natural gas gas to be delivered at t at the Receipt Point eq by $(1 - x)$ where x is the System In-Kind Shrinka path utilized as follows	at the Receipt Po supply equal to a the Receipt Point juals the quantity e decimal equival age Allowance pe	int to PG&E an a percent of total Thus, the quar desired at the D ent of the Backb	additional in-kind volume of natura ntity to be nomina elivery Point divi one Transmissio	al ated ded n
	Path Redwood to Off-System Mission to On-System Mission to Off-System All other transmission	Percentage of In-Kind Shrinkage Base Allowance 0.9 0 0 0 0.9 (R)	Percentage of In-Kind Shrinkage Adjustment – – – (0.1) (R)	Percentage of Effective In-Kind Shrinkage Allowance 0.9 0 0 0 0.8 (R)	
	Provided, however, tha under this Rule, where allowance, from mutua transportation over PG	shrinkage require	ements support different shrinkag	a different shrink ge allowance for	age
					(Continued)
dvice Letter No:	3194-G	Issued by		Date Filed	March 11, 20

Vice President Regulation and Rates

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Cal. P.U.C. Sheet No. Cal. P.U.C. Sheet No. 28813-G 28609-G

	TF	GAS RULE NO. RANSPORTATION OF NA			Sheet 3
3. QUAI	NTITIES OF GAS (Co	ont'd.)			
1. II	N-KIND SHRINKAGE	EALLOWANCE (Cont'd.)			
b	Distribution Shrin	kage			
	Shrinkage Allowa transmission and PG&E at the City equal to a percen Use Customer's r equals the quanti where y is the de	n on PG&E's Distribution S nce shall apply, which is s storage shrinkage. The C gate an additional in-kind t of the total volume of na meter. Thus, the quantity ty to be flowed through the cimal equivalent of the Dis nce percentage, as follow	separate from Customer sha quantity of na tural gas flow to be nomina e meter multip stribution System	backbone Il deliver each da tural gas supply ing through the l ted at the Cityga blied by (1 + y)	End-
	End-Use Customer Core Noncore Distributior Noncore Transmissi As an example, fo	In-Kind Shrinkage Base Allowance 1.8 (R) n 0.2	Percentage of In-Kind Shrinkage Adjustment (0.4) (R) 0 - mer being ser	Percentage of Effective In-Kind Shrinkage Allowance 1.4 (R) 0.2 – ved via the	
	Redwood Path, th Receipt Point Quantity =	ne amount to be nominate Est. Metered Usage x (1 ·	d at Malin is d + y) /		
	Where: x =	decimal equivalent of t Shrinkage percentage			
	y =	decimal equivalent of t percentage	he Distributio	n Shrinkage	
	re Transmission Leve n In-Kind Shrinkage /	el End-Use Customers or Allowance.	Agents requir	e no Distributior	1
					(Continued)
vice Letter I cision No.	No: 3194-G 03-12-061	Issued by Jane K. Yura Vice President		Date Filed Effective Resolution No.	March 11, 2

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Rules		(T)
Maps, Contracts and Deviations		、 <i>'</i>
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Date Filed Effective Resolution No.

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Rule 05		ed on Forms		
Rule 06		lishment of Credit		
Rule 07	Deposits			28655-G
Rule 08				
Rule 09		Bills2		
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Rule 10	Disputed Bills			18216-G
Rule 11	Discontinuance and Restor	ation of Service		
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Rule 13				
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Rule 17.1	Adjustment of Bills for Billin	g Error		
Rule 17.2		thorized Use		
Rule 18	Supply to Separate Premise	es and Submetering of Gas		13401-G
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Rule 19.2	California Alternate Rates for	or Energy for Nonprofit Group-Living	g Facilities	
Rule 19.3	California Alternate Rates for	or Energy for Qualified Agricultural E	Employee Housing Facilitie	S
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Decision No.	03-12-061	Jane K. Yura	Effective	
		Vice President	Resolution No.	
202		Population and Pater		

Regulation and Rates

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Advice 3194-G

Attachment 2

PACIFIC GAS AND ELECTRIC COMPANY Workpaper for In-Kind Shrinkage Allowance Update Advice 3194-G (effective May 1, 2011) Shrinkage Base Allowance

	(A)	(B)	(C)	(D)	(E)	(F)		
1	Forecast Customer Demand is based on data in the Gas Accord V		(-)		<u> </u>	× /		
	Settlement Agreement filed August 20, 2010 (PG&E's June 2010 forecast							
	plus 20 MDth/d EG-Backbone). Forecast Off-system Demand is based on							
	the three-year actual off-system deliveries through February 2011. LUAF							
	and GDU forecasts are based on the one-year average monthly							
	percentage profile of actual LUAF and GDU (through November 2010							
	latest data available as of February 22, 2011.) GDU forecast reduced by							
	an annual 630 MMCF due to a forecasted increase in electric compressor							
	usage; this quantity is prorated to reflect seven months actual electric	12 Month	<i></i>	× • •	Throughput			
Line	compressor usage in the forecast period.	Forecast	<u>% Served</u>	<u>% Served</u>	Served from			Line
No.		Throughput		from Trans.	<u>Trans.</u>	<u>Distr.</u>		No.
1	Noncore Transmission/Distribution Split	Mdth	Survey R		Mdth	Mdth		1
2	Industrial	170,366	15.4192%	84.5808%	144,097	26,269		2
3	EG	189,881	0.0000%	100.0000%	189,881	0		3
4 5	Cogeneration Wholesale	72,185 3,700	6.6834% 0.0000%	93.3166% 100.0000%	67,361 3.700	4,824 0		4
6	NGV4	523	0.0000%	100.0000%	523	0		5 6
		020	0.000070	100.0000 /0	020	0		0
7	Total Noncore (excludes EOR and SEGDA)	436,655			405,561	31,094		7
8	% of Noncore served from Trans, and Distr.				92.88%	7.12%		8
•					92.00%	1.1270		0
	LUAF per Study (from the Gas Accord Workpapers, 17-2 & 17-3)							
	Splits LUAF noncore volumes between distribution and transmission base	ed on LUAF Stud	iy					
9		<u>NCTotal</u>			<u>NC Trans.</u>	<u>NC Distr.</u>		9
10	LUAF (Mcf) - volumes from 1995 BCAP	3,054,276			2,268,089	786,187		10
11	LUAF % (NC Distr Vol/NC Total)				74.26%	25.74%		11
12	Throughput Vol. % - Data from Rate Dept Survey				79.00%	21.00%		12
13	Ratios set for Accord period:					4.00		13
14	Calculated as Line 11/Line 12				0.94	1.23		14
15	Calculated as (F) line 14/(E) line 14					1.30		15
16	Noncore % of System LUAF (adopted in 95 BCAP)	22.00%						16
	LUAF & GDU Allocations to Transmission and Distribution							
		-	0	N	05	NO Trans		
	LUAF Calculations:	<u>System</u> Forecast	Core	Noncore	Off-system	NC Trans. N	NC DIST.	
17	LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%)	8,262		4 770				
			6 281		209			17
18		50 y daw 100 daw	6,281	1,772	209			17
	Throughput per forecast (Mdth)	791,841	6,281 291,909	436,655	209 63,277			17 18
19	Throughput per forecast (Mdth) Less: SEGDA	,	,	,				
19 20		791,841	,	436,655				18
20	Less: SEGDA Totals for Calculation of allocation	791,841 0 	291,909 291,909	436,655 0 436,655	63,277 63,277			18 19 20
20 21	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20)	791,841	291,909	436,655 0	63,277			18 19 20 21
20 21 22	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above)	791,841 0 	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.5400/	18 19 20 21 22
20 21 22 23	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above)	791,841 0 791,841 1.043%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23
20 21 22	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042)	791,841 0 	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22
20 21 22 23	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations:	791,841 0 791,841 1.043%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23
20 21 22 23	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042)	791,841 0 791,841 1.043% 0.33%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23 24
20 21 22 23 24	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage	791,841 0 791,841 1.043%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23
20 21 22 23 24 25	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20	791,841 0 791,841 1.043% 0.33% 4,377	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23 24 25
20 21 22 23 24 25 26	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU)	791,841 0 791,841 1.043% 0.33% 4,377 0.553%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23 24 25 26
20 21 22 23 24 25 26 27	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22	791,841 0 791,841 1.043% 0.33% 4,377 0.553% 0.950%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23 24 25 26 27
20 21 22 23 24 25 26 27 28	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23	791,841 0 791,841 1.043% 0.33% 4,377 0.553% 0.950% 1.071%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23 24 25 26 27 28
20 21 22 23 24 25 26 27	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21	791,841 0 791,841 1.043% 0.33% 4,377 0.553% 0.950%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 23 24 25 26 27
20 21 22 23 24 25 26 27 28 29	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23	791,841 0 791,841 1.043% 0.33% 4,377 0.553% 0.950% 1.071% 2.705%	291,909 291,909	436,655 0 436,655	63,277 63,277	0.397%	0.518%	18 19 20 21 22 3 24 25 26 27 28 29
20 21 22 23 24 25 26 27 28 29 30 31	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21 Core Distribution = (B) line 29 - (B) line 27 Off-System Transmission = (B) line 26 + (B) line 24	791,841 0 791,841 1.043% 0.33% 4.377 0.553% 0.950% 1.071% 2.705% 1.755%	291,909 291,909 2.152%	436,655 0 436,655 0.406%	63,277 63,277 0.330%		0.518%	18 19 20 21 22 23 24 25 26 27 28 29 30 31
20 21 22 23 24 25 26 27 28 29 30 31 32	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21 Core Distribution = (B) line 29 - (B) line 27 Off-System Transmission = (B) line 26 + (B) line 24 Proposed Pipeline Shrinkage Allowances - Base Allowance Update	791,841 0 791,841 1.043% 0.33% 4.377 0.553% 0.950% 1.071% 2.705% 1.755%	291,909 291,909 2.152%	436,655 0 436,655 0.406% <u>NC Trans.</u>	63,277 63,277 0.330% <u>NC Dist.</u>	<u>Off-Sys.</u>	0.518%	18 19 20 21 22 23 24 25 26 27 28 29 30 31
20 21 22 23 24 25 26 27 28 29 30 31 31 32 33	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21 Core Distribution = (B) line 29 - (B) line 27 Off-System Transmission = (B) line 26 + (B) line 24 Proposed Pipeline Shrinkage Allowances - Base Allowance Update Transmission (assumes same % for core and noncore)	791,841 0 791,841 1.043% 0.33% 4.377 0.553% 0.950% 1.071% 2.705% 1.755%	291,909 291,909 2.152% <u>Core</u> 0.9%	436,655 0 436,655 0.406% <u>NC Trans.</u> 0.9%	63,277 63,277 0.330% <u>NC Dist.</u> 0.9%	<u>Off-Sys.</u> 0.9%	0.518%	18 19 20 21 22 3 24 25 26 27 28 29 30 31 31 32 33
20 21 22 23 24 25 26 27 28 29 30 31 32	Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21 Core Distribution = (B) line 29 - (B) line 27 Off-System Transmission = (B) line 26 + (B) line 24 Proposed Pipeline Shrinkage Allowances - Base Allowance Update	791,841 0 791,841 1.043% 0.33% 4.377 0.553% 0.950% 1.071% 2.705% 1.755%	291,909 291,909 2.152%	436,655 0 436,655 0.406% <u>NC Trans.</u>	63,277 63,277 0.330% <u>NC Dist.</u>	<u>Off-Sys.</u>	0.518%	18 19 20 21 22 23 24 25 26 27 28 29 30 31

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PACIFIC GAS AND ELECTRIC COMPANY Workpaper for In-Kind Shrinkage Allowance Update Advice 3194-G (effective May 1, 2011) Shrinkage Credit Adjustment

	(A)	(B)	(C)	(D)	(E)	(F)		
	Forecast Customer Demand is based on data in the Gas Accord V	(2)	(6)	(= /	(=/	07		
	Settlement Agreement filed August 20, 2010 (PG&E's June 2010							
	forecast plus 20 MDth/d EG-Backbone). Forecast Off-system Demand is							
	based on the one-year actual off-system deliveries through February	12 Month			<u>Throughput</u>			
Line	2011. LUAF is set to return 2039 MDth (approximately 2 BCF) per year	Forecast	% Served	% Served	Served from			Line
No.	through the adjustment mechanism.	<u>Throughput</u>	from Distr.	from Trans.	<u>Trans.</u>	<u>Distr.</u>		No.
1	Noncore Transmission/Distribution Split	<u>Mdth</u>	Survey		<u>Mdth</u>	<u>Mdth</u>		1
2	Industrial	170,366	15.4192%	84.5808%	144,097	26,269		2
3	EG	189,881	0.0000%	100.0000%	189,881	0		3
4	Cogeneration	72,185	6.6834%		67,361	4,824		4
5	Wholesale	3,700	0.0000%		3,700	0		5
6	NGV4	523	0.0000%	100.0000%	523	0		6
7	Total Noncore (excludes EOR and SEGDA)	436,655			405,561	31,094		7
8	% of Noncore served from Trans. and Distr.				92.88%	7.12%		8
	LUAF per Study (from the Gas Accord Workpapers, 17-2 & 17-3)							
	Splits LUAF noncore volumes between distribution and transmission bas		udy					
9		<u>NCTotal</u>			<u>NC Trans.</u>	NC Distr.		9
10	LUAF (Mcf) - volumes from 1995 BCAP	3,054,276			2,268,089	786,187		10
11	LUAF % (NC Distr Vol/NC Total)				74.26%	25.74%		11
12	Throughput Vol. % - Data from Rate Dept Survey				79.00%	21.00%		12
13	Ratios set for Accord period:							13
14	Calculated as Line 11/Line 12				0.94	1.23		14
15	Calculated as (F) line 14/(E) line 14					1.30		15
10								
16	Noncore % of System LUAF (adopted in 95 BCAP)	22.00%						16
	LUAF & GDU Allocations to Transmission and Distribution	n	Core	Noncore	<u>Off-system</u>	NC Trans.	IC Distr.	16
16	LUAF & GDU Allocations to Transmission and Distributio	<u>n</u> <u>System</u> <u>Forecast</u>			<u>Off-system</u>	<u>NC Trans. y</u>	IC Distr.	
16	LUAF & GDU Allocations to Transmission and Distribution	n			<u>Off-system</u> -	<u>NC Trans. y</u>	IC Distr.	
16	LUAF & GDU Allocations to Transmission and Distribution	<u>N</u> <u>System</u> <u>Forecast</u> - 2,039	- 1,590	- 449	-	<u>NC Trans. y</u>	IC Distr.	17
16 17 18	LUAF & GDU Allocations to Transmission and Distributio	<u>n</u> <u>System</u> <u>Forecast</u>			<u>Off-system</u> - 63,277	<u>NC Trans. y</u>	IC Distr.	1
16 17 18 19	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth)	<u>n</u> <u>Forecast</u> - 2,039 791,841	- 1,590	- 449 436,655	-	<u>NC Trans. y</u>	IC Distr.	17
16 17 18 19 20	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation	n <u>System</u> <u>Forecast</u> 2,039 791,841 0 791,841	- 1,590 291,909 291,909	- 449 436,655 0 436,655	63,277	<u>NC Trans. y</u>	IC Distr.	1 ⁻ 11 11 20
16 17 18 19 20 21	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20)	n <u>Forecast</u> - 2,039 791,841 0	- 1,590 291,909	- 449 436,655 0 436,655	63,277		IC Distr.	17 18 19 20
16 17 18 19 20 21 22	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above)	n <u>System</u> <u>Forecast</u> 2,039 791,841 0 791,841	- 1,590 291,909 291,909	- 449 436,655 0 436,655	63,277	-0.101%		17 18 19 20 2 ² 22
16 17 18 19 20 21 22 23	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above)	n <u>Forecast</u> - 2,039 791,841 0 791,841 -0.258%	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%	IC Distr.	17 18 20 21 22 23
16 17 18 19 20 21 22	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above)	n <u>Forecast</u> - 2,039 791,841 0 791,841 -0.258% 0.00%	- 1,590 291,909 291,909	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		17 18 20 21 22 23
16 17 18 19 20 21 22 23	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042)	n <u>Forecast</u> - 2,039 791,841 0 791,841 -0.258% 0.00% Same for all	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		17 18 20 21 22 23
16 17 18 19 20 21 22 23	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations:	n <u>Forecast</u> - 2,039 791,841 0 791,841 -0.258% 0.00%	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		1 11 20 2 2 2
16 17 18 19 20 21 22 23	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage	n <u>Forecast</u> - 2,039 791,841 0 791,841 -0.258% 0.00% Same for all	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		17 18 19 20 22 23 24
16 17 18 19 20 21 22 23 24 25	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations:	n <u>Forecast</u> - 2,039 791,841 0 791,841 -0.258% 0.00% Same for all	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		1 11 20 2: 2: 2: 2: 2: 2: 2:
16 17 18 19 20 21 22 23 24 25	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		1 11 20 2: 2: 2: 2: 2: 2: 2:
16 17 18 19 20 21 22 23 24 25 26	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU)	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		11 11 22 23 24 24 24
16 17 18 19 20 21 22 23 24 25 26 25 26 27	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers 0.000% -0.101%	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		17 18 19 20 21 22 24 24 24 24 24 24 24 24
16 17 18 19 20 21 22 23 24 25 26 25 26 27 28	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers - 0.000% -0.101% -0.131%	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		177 18 20 21 22 23 24 25 26 26 27 28
16 17 18 19 20 21 22 23 24 25 26 27 28 29	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers 0.000% -0.101% -0.131% -0.545%	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		117 18 20 22 23 24 25 26 26 26 26 26 26 26 26 26 26 26 26 26
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers - 0.000% -0.101% -0.131%	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		11 11 20 21 22 22 24 24 26 26 26 26 26 26 26 26 26 26 26 26 26
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21 Core Distribution = (B) line 29 - (B) line 27	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers 0.000% -0.101% -0.131% -0.545% -0.444%	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103%	63,277	-0.101%		11 11 20 21 22 22 24 24 26 26 26 26 26 26 26 26 26 26 26 26 26
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21 Core Distribution = (B) line 29 - (B) line 27 Off-System Transmission = (B) line 26 + (B) line 24	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers 0.000% -0.101% -0.131% -0.545% -0.444%	- 1,590 291,909 291,909 -0.545%	- 449 436,655 0 436,655 -0.103% to off-system)	- 63,277 63,277 0.000%	-0.101%		177 188 199 202 23 24 26 26 27 28 26 27 28 29 30 31
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21 Core Distribution = (B) line 29 - (B) line 27	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers 0.000% -0.101% -0.131% -0.545% -0.444%	- 1,590 291,909 291,909 -0.545% (Not allocated	- 449 436,655 0 436,655 -0.103% to off-system)	63,277	-0.101%		16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 32	LUAF & GDU Allocations to Transmission and Distribution LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%) Throughput per forecast (Mdth) Less: SEGDA Totals for Calculation of allocation LUAF as % of throughput (Lines 17/20) Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above) Noncore Distr. LUAF% ((D) line 21 - wtd. per surveys above) Off-System LUAF (per D.94-02-042) GDU Calculations: GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU) GDU % = (B) line 24/(B) line 20 Shrinkage (LUAF+GDU) Noncore Transmission = (B) line 26 + (E) line 22 Noncore Distribution = (B) line 26 + (F) line 23 Core Total = (B) line 26 + (C) line 21 Core Distribution = (B) line 29 - (B) line 27 Off-System Transmission = (B) line 26 + (B) line 24 Proposed Pipeline Shrinkage Allowances - Credit Adjustment	n <u>Forecast</u> 2,039 791,841 0 791,841 -0.258% 0.00% Same for all customers 0.000% -0.101% -0.131% -0.545% -0.444%	- 1,590 291,909 -0.545% (Not allocated	- 449 436,655 0 436,655 -0.103% to off-system) to off-system)	- 63,277 0.000% <u>NC Dist.</u>	-0.101% Off-Sys.		17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

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