PG&E HEARING EXHIBIT PGE-06

A.20-04-023

PG&E'S SECURITIZATION 2020

Chapter 6	Customer	Credit	Mechanism	& Investm	ent Ret	urns
(David Thomason; Greg Aller	n)					
Exhibit 6.1			Term Sheet	Customer	Credit 7	Frus

PACIFIC GAS AND ELECTRIC COMPANY CHAPTER 6 CUSTOMER CREDIT MECHANISM AND INVESTMENT RETURNS WITNESSES: D. THOMASON; G. ALLEN

PACIFIC GAS AND ELECTRIC COMPANY CHAPTER 6 CUSTOMER CREDIT MECHANISM AND INVESTMENT RETURNS

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PACIFIC GAS AND ELECTRIC COMPANY CHAPTER 6 CUSTOMER CREDIT MECHANISM AND INVESTMENT RETURNS WITNESSES: D. THOMASON; G. ALLEN

6 A. Introduction

This chapter proceeds in two parts. The first, sponsored by David Thomason, describes the manner in which Pacific Gas and Electric Company (PG&E) proposes to provide a credit to customers (the Customer Credit) that is projected to equal the Fixed Recovery Charges (FRC) associated with the Recovery Bonds if the Securitization proposal is approved by the California Public Utilities Commission (CPUC or Commission). The second, sponsored by Greg Allen, analyzes the proposed investment portfolio and concludes that it is reasonable to expect that, based on the distribution of potential outcomes, the Customer Credit Trust will fully reimburse customers for the FRCs over the course of the 30-year investment horizon, and will end with a positive balance.

B. Customer Credit Mechanism (D. Thomason)

1. Overview of the Customer Credit

Under the Securitization transaction, customers who pay the FRCs would receive an equal amount of Customer Credits. PG&E would fund the Customer Credit with distributions from an account held by a grantor trust (the Customer Credit Trust or Trust) managed by a majority-independent committee.

PG&E proposes to fund the Customer Credit Trust starting in 2021 with an initial contribution of \$1.8 billion (the Initial Shareholder Contribution). In later years, PG&E would fund additional contributions (the Additional Shareholder Contributions) to the Customer Credit Trust of up to \$7.59 billion (the Cap) based on a formula to calculate the incremental cash generated from reducing PG&E's taxes through applying shareholder-owned tax deductions or net operating losses (Shareholder Tax Benefits). The Shareholder Tax Benefits primarily arise from payments made by PG&E's shareholders related to wildfire claim settlements and contributions to the Go-Forward Wildfire Fund described later in this chapter. The Customer

Credit Trust's assets will also be invested and the investment returns net of fees, expenses, and computed tax liability or benefit (Customer Credit Trust Returns) shall be held in the Customer Credit Trust. Other than with respect to the Initial Shareholder Contribution, the Additional Shareholder Contribution, and the Customer Credit Trust Returns, PG&E will not be obligated to make any contributions to the Customer Credit Trust.

PG&E forecasts and expects that the Initial Shareholder Contribution, the Additional Shareholder Contributions, and the Customer Credit Trust Returns will be sufficient for the Customer Credit Trust to fund Customer Credits that equal the FRCs, such that the net cost to customers each year and over the life of the Recovery Bonds will be zero. If assets in the Customer Credit Trust are insufficient to fund a Customer Credit equal to the FRCs for a period of time, the future Customer Credit Trust balance will first be used to make up any previous shortfalls in Customer Credits. In addition, once the Recovery Bonds are repaid in full and the FRCs cease, the Customer Credit Trust will be terminated and the assets liquidated. Customers will receive 25 percent of any funds remaining in the Customer Credit Trust after payment of Trust expenses, including computed taxes.

As discussed in part 7 below, customers will obtain several benefits from the proposed transaction. These benefits include PG&E's waiver of the right to seek recovery of certain just and reasonable wildfire claims costs; PG&E's waiver of the right to seek recovery of other wildfire costs in excess of the customer harm threshold without providing any Customer Credit; an acceleration of PG&E's path to an investment-grade issuer credit rating and associated reduction in its cost of debt; and a sharing of any surplus in the Customer Credit Trust.

2. Customer Credit Trust

A term sheet for the proposed Customer Credit Trust is attached to this testimony as Exhibit 6.1. As reflected in the term sheet, PG&E would establish the Customer Credit Trust in the form of a grantor trust under a trust agreement (the Trust Agreement). The key elements of the proposed Customer Credit Trust can be summarized as follows.

First, the Customer Credit Trust will have a limited purpose, namely, to hold and preserve the Trust's assets (the Trust Corpus), and manage the

investment thereof and of the Customer Credit Trust Returns, all in order to fund the Customer Credit. The Customer Credit Trust thus will not function as a "business trust" with authority to carry out general business activities. PG&E expects that, as a consequence, the Customer Credit Trust will not be eligible to file for bankruptcy protection.

Second, and consistent with its limited purpose, the Customer Credit Trust will be authorized to make interim distributions to PG&E only as specified in the Trust Agreement. Specifically, interim distributions may be made only to reimburse PG&E for: (i) the Customer Credits; (ii) computed tax liabilities with respect to Customer Credit Trust Returns as calculated in accordance with the terms set forth in the Trust term sheet in Exhibit 6.1; and (iii) administrative expenses of the Customer Credit Trust (estimated to be \$500,000 per year plus investment advisor fees deducted from investment returns). PG&E cannot look to the Trust Corpus for any other purposes under the proposed Trust Agreement, including to satisfy the claims of PG&E's creditors.

Third, the Customer Credit Trust will be managed by a committee (the Committee) with five members, at least three of whom will be independent of PG&E. Members of the Committee would be nominated by PG&E management and confirmed by PG&E's board of directors. No more than two of the members may be employees, officers, agents or otherwise affiliated with PG&E except with respect to their service as members on the Committee. The nominations of independent members will be confirmed by the Commission as well as PG&E's board of directors. This governance structure is similar to that of nuclear de-commissioning trusts (NDTs) that have successfully operated under Commission oversight for several decades.

The Committee will have authority to amend the Trust Agreement by majority vote with the exception of amendments to "Fundamental Provisions." Any proposed amendments to Fundamental Provisions must first be approved by a super-majority of four members that must include all three independent members. Upon securing such approval, PG&E will submit the proposed amendment to the Commission for review and

approval. The Commission must approve any amendment to the Fundamental Provisions for that amendment to become effective.

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Fundamental Provisions include those provisions of the Trust Agreement that set forth: the purpose of the Customer Credit Trust; Committee size and composition; Committee action by majority decision; interim distributions; amendments of the Trust Agreement (including the scope of the Fundamental Provisions); termination of the Trust; customer allocation of distributions upon termination of the Trust; and transferability of PG&E's interest in the Trust. Finally, PG&E anticipates that the Customer Credit Trust will be treated as a grantor trust for purposes of Sections 671-679 of the Internal Revenue Code of 1986, as amended, and therefore disregarded as an entity separate from PG&E for federal income tax and California franchise and income tax purposes. Contributions to, and withdrawals from, the Customer Credit Trust are expected to be non-taxable events for both the Customer Credit Trust and PG&E. However, the Trust will make quarterly distributions, or receive quarterly contributions in an amount equal to the estimated computed tax liability or tax benefit, respectively, in respect of taxable income or loss generated by the investment of Trust assets relating to that quarter, calculated using the highest combined federal and California state tax rate applicable to "sub-chapter C" corporations.

PG&E will seek Commission approval for the proposed structure of the Customer Credit Trust as part of its application for the Financing Order. Hence, as part of its application, PG&E will seek Commission approval of the: (1) Trust Agreement; (2) initial three independent members of the Committee; (3) proposed compensation of Committee members; and (4) investment policies and procedures. PG&E will request that the Commission-approved Financing Order expressly incorporate the limitations on the use of and access to the funds in the Customer Credit Trust. As noted in the Application, PG&E currently anticipates submitting this filing 120 days before the anticipated Commission decision.

Shareholder Tax Benefits and the Cap

PG&E will fund the Customer Credit Trust with the Initial Shareholder Contribution of \$1.8 billion in 2021. In later years, as PG&E generates

taxable income, PG&E will use cash that becomes available by reason of Shareholder Tax Benefits to make Additional Shareholder Contributions.

PG&E agrees to make Additional Shareholder Contributions to the Customer Credit Trust up to the Cap by applying an amount of estimated total Shareholder Tax Benefits derived primarily from certain wildfire-related payments. PG&E prepared this estimate in February 2020 in connection with the CPUC proceeding considering PG&E's Plan of Reorganization (Investigation (I.) 19-09-016). This estimate is set out in Table 6-1, lines 1-13.

PG&E provided the estimate on a confidential basis to parties in the Commission proceeding to review PG&E's Plan (I.19-09-016). See PG&E's Second Omnibus Supplemental Data Response, Attachment PlanOfReorganizationOII-2019_DR_MISC_Atch01CPUC financial package 2.18.20_Updated_Confidential.xlsx, Tab 12 (served Feb. 19, 2020 in I.19-09-016).

TABLE 6-1
ESTIMATE OF SHAREHOLDER TAX BENEFITS AND RATEPAYER NOLS
AS OF FEBRUARY 18, 2020
(MILLIONS OF DOLLARS)

Line No.	Estimate of Total Shareholder Tax Benefits			
1		2020E Federal	2020E State	Total
2	Wildfire Claims Settlements	(\$25,500)	(\$25,500)	
3	Less: Initial Wildfire Fund Contribution ¹	(\$320)	(\$4,800)	
4	Less: Ongoing Wildfire Fund Contribution	(\$192)	(\$192)	
5	Plus: Insurance Proceeds	\$2,200	\$2,200	
6	Total Wildfire Related Tax Deductions Created	(\$23,812)	(\$28,292)	
7				
8	Existing Shareholder Deductions	\$423	\$0	
9	Plus: Wildfire Related Deductions Created	\$23,812	\$28,292	
10	Total Shareholder Deductions	\$24,235	\$28,292	
11				
12	(x) Applicable Tax Rate	21.00%	8.84%	
13	Customer Credit Trust CAP	\$5,089	\$2,501	\$7,590
14				
15				
16	Estimate of Ratepayer NOLs			
17		Pre-2020 Federal	Pre-2020 State	Total
18	NOL carryforward at emergence, through 2018	\$3,557	\$0	
19	NOL carryforward at emergence, 2019	\$1,904	\$1,911	
20	Total Ratepayer NOLs	\$5,462	\$1,911	
21				
22	(x) Applicable Tax Rate	21.00%	8.84%	
23	Total Tax Deductions Savings	\$1,147	\$169	\$1,316

¹The \$4.8B deduction for the state contribution to the AB1054 Wildfire Fund is assumed to occur in 2020. The full value of the deduction is counted towards the cap regardless of whether the deduction is taken immediately or amortized.

The cash for these Additional Shareholder Contributions would come from the application of deductions or net operating loss (NOL) carryforwards that reduce federal and state taxable income, and therefore federal income tax and state franchise tax payments PG&E is required to make in future taxable years. Under standard rate setting practices, customers pay a tax gross-up in rates to compensate electrical corporations for the tax liabilities associated with providing their utility service. When PG&E applies shareholder-owned tax deductions and NOLs to reduce its taxable income, PG&E is able to retain incremental cash.

Table 6-1 above sets forth the maximum amount of cash that may be contributed from these Shareholder Tax Benefits at \$7.59 billion, i.e., the Cap (see Table 6-1, line 13). The Cap is equal to the total cash tax savings estimated as of February 18, 2020 resulting from the application of

(i) \$23.812 billion in federal deductions or NOLs, and \$28.292 billion in state deductions or NOLs, for wildfire-related payments (lines 2-4) as reduced by insurance proceeds (line 5) plus (ii) \$423 million in pre-existing shareholder federal NOLs unrelated to the wildfire settlements or costs that are being contributed by the shareholders to help fund the Customer Credit Trust (line 8) (together with the deductions in line 6, the Shareholder Deductions). The total of these federal and state Shareholder Deductions was estimated to be worth \$7.59 billion in cash (line 13) using a 21 percent federal and 8.84 percent state tax rate.2

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A component of the Cap is the tax benefits arising from the Wildfire Claims Settlements set forth on line 2 of Table 6-1 in the amount of \$25.5 billion. Included in that amount is the value of the common stock of reorganized PG&E Corporation contributed to the Fire Victim Trust, which at Fire Victim Equity Value (as defined in the Plan) is \$6.75 billion. On July 1, 2020, in connection with consummating the Plan, PG&E contributed 22.19 percent of the common stock of PG&E Corporation to the Fire Victim Trust. The ultimate amount of that portion of the deduction in line 2 will be the fair market value of the stock either as of the date of emergence (July 1, 2020) or as of the date or dates of disposition by the Fire Victim Trust. PG&E has until April of 2021 to elect whether to treat the contribution of common stock to the Fire Victim Trust as a qualified settlement trust (QSF) for tax purposes and value the deduction as of emergence on July 1, 2020, or as a grantor trust for tax purposes and value the deduction as of the subsequent date(s) of disposition by the Fire Victim Trust (which will result in a larger or smaller deduction when compared to a QSF election depending on whether the stock price is higher or lower in the future as compared to the price on July 1, 2020). There is therefore uncertainty as to the amount

The impact of the state deduction for federal tax purposes is ignored for this calculation—this calculation is purely formulaic in nature.

The deduction for the contribution of the stock to the Fire Victim Trust using a grantor trust election will not exceed \$6.75 billion for purposes of calculating Shareholder Deductions, Shareholder Tax Benefits, and Additional Shareholder Contributions. A deduction less than the value of the stock at July 1, 2020 is unlikely since PG&E can limit the downside by treating the Trust as a QSF if the stock price decreases below the price on July 1, 2020.

of that portion of the deduction shown on line 2 of Table 6-1. PG&E has decided to address this uncertainty by including additional deductions under line 3 of Table 6-1 to provide sufficient available deductions such that assuming sufficient taxable income and assuming the tax rates in line 12 of Table 6-1, the deductions (or NOLS) would generate \$7.59 billion in Additional Shareholder Contributions. This change only reduces the risk of insufficient deductions (or NOLs). It does not change any other factor that impacts whether the actual amount of Additional Shareholder Deductions will be \$7.59 billion.

In the event PG&E does not realize the full \$6.75 billion of deduction for the common stock contributed to the Fire Victim Trust included on line 2 of Table 6-1, PG&E would add additional amounts in line 3 under the Federal column in Table 6-1 which would come from deductions resulting from the \$4.8 billion Initial Wildfire Fund Contribution for federal taxes. The initial contribution of \$4.8 billion will be amortized over fifteen years, meaning that PG&E will deduct \$320 million each year from 2020 through 2034 from its federal taxes. The first of the 15 annual deductions of \$320 million in 2020 is shown in line 3 of Table 6-1. Additional deductions in years 2021 through 2034 would be included as necessary to make up for any reduction in deductions in line 2 of Table 6-1 related to the stock contributed to the Fire Victim Trust.

In order to make Additional Shareholder Contributions, the application of the Shareholder Deductions set forth in Table 6-1 must generate incremental after-tax cash to PG&E. Although PG&E had estimated these Shareholder Deductions occurring in 2020, they will not generate incremental cash (i.e., Shareholder Tax Benefits) that can fund Additional Shareholder Contributions until later years. That is because, before agreeing to make the wildfire-related payments, PG&E's business plan projected that taxable income for 2020 would be zero as a result of the application of certain preexisting NOLs—set forth on lines 18 and 19 in Table 6-1—from deductions in prior years that were carried forward as

NOLs (Ratepayer NOLs).⁴ In its business plan, PG&E thus assumed that any potential wildfire-related payments would not generate any incremental after-tax cash to PG&E.

Under applicable tax rules, however, PG&E must apply the current year portion of Shareholder Deductions on its current-year tax returns before applying any Ratepayer NOL carryforwards. In the proposed methodology described below, PG&E will begin applying the Ratepayer NOLs first and expects those NOLs to eliminate all of its taxable income until 2024, when the first Additional Shareholder Contribution is projected to be made. To fund the Customer Credit Trust in the period before Additional Shareholder Contributions are made, PG&E will make the \$1.8 billion Initial Shareholder Contribution in 2021.

Formula For Calculating Additional Shareholder Contributions

Under the proposed transaction, PG&E would apply a multi-step formula to calculate Additional Shareholder Contributions to the Customer Credit Trust in any given year. To apply the formula, PG&E will assume that Ratepayer NOLs (Table 6-1, line 20) are applied to reduce taxable income before any Shareholder Deductions. When Ratepayer NOLs have been exhausted, PG&E will calculate the amount by which the application of the Shareholder Deductions reduces taxable income.⁵

PG&E will make this calculation of Additional Shareholder Contributions by first keeping track of the amount of Shareholder Deductions identified in lines 2-4 (adjusted for insurance proceeds on line 5) and line 8 of Table 6-1 that are actually taken on PG&E's tax returns in the aggregate, up to the amount of Shareholder Deductions needed to generate \$7.59 billion in Additional Shareholder Contributions using the tax rates in line 12 of Table 6-1. In a tax year with positive taxable income, and upon exhausting all Ratepayer NOLs, PG&E will determine the amount by which taxable income

The amount of Ratepayer NOLs has changed since the testimony served on April 30, 2020 as a result of finalizing the 2019 tax returns. The expected tax benefit (using the rate on line 22) is \$1.316 billion (see Total Table 6-1, line 23), as compared to \$1.283 billion.

This proposed methodology is only for the purpose of calculating the Additional Shareholder Contribution for any year, and does not impact PG&E's actual tax returns or the income or franchise taxes for establishing revenue requirements.

that year is reduced by those Shareholder Deductions and multiply that amount by the then-applicable tax rate for the year to determine the amount of the Additional Shareholder Contribution. PG&E then will deduct the amount of Shareholder Deductions applied in the formula from the balance of Shareholder Deductions available in future years. As long as the Recovery Bonds remain outstanding, this calculation will be repeated each year until either the balance of Shareholder Deductions available is zero or the sum of all Additional Shareholder Contributions equals the Cap of \$7.59 billion (projected to occur in 2035).

The projection of taxable income, the application of the Ratepayer NOLs, and the application of the Shareholder Deductions and the corresponding Additional Shareholder Contributions to the Customer Credit Trust is set forth in Table 6-2.6

The forecast in Table 6-2 incorporates the CARES Act enacted in March of 2020, which eliminated the 80 percent Cap on carryforward NOLs for federal income tax purposes for tax years beginning before January 1, 2021. Other tax legislation may change the amount and timing of various revenues and deductions on federal tax returns, and may therefore impact the amount and timing of taxable income.

TABLE 6-2 FORECAST UTILIZATION OF SHAREHOLDER TAX BENEFITS (MILLIONS OF DOLLARS)

Line No.																							
1	•		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030
2	Federal																						
3	Consolidated Forecast Taxable Income	\$	(20,599)	\$	(1,325)	\$	(166)	\$	1,588	\$	1,936	\$	2,109	\$	2,355	\$	2,623	\$	2,913	\$	3.221	\$	3.562
4	Ratepayer NOL, Beginning of Year (BOY)	\$	5.462	\$	5,462	\$	5,462	\$	5,462	\$	3,874	\$		\$	217	\$	-	\$	-	\$	-	\$	-
5	less: Ratepayer NOLs applied	\$	-	\$	-	\$	-								(217)	\$	-	\$	-	\$	-	\$	-
6	Ratepayer NOL, End of Year (EOY)	\$	5.462	\$	5.462	\$	5.462	\$	3.874	\$	1.938	\$	217	\$	- ′	\$	-	\$	-	\$	-	\$	-
7	Shareholder Deductions BOY	\$	24,235	\$	24,235	\$	24,235	\$	24,235	\$	24,235	\$	24,235	\$	24,235	\$	22,568	\$	20,469	\$	18,138	\$ 1	15.562
8	less: Shareholder Deductions Applied	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-				(2,098)		(2,331)		(2,577)	\$	(2.849)
9	Shareholder Deductions EOY	\$	24.235	\$	24.235	\$	24.235	\$	24.235	\$	24,235	\$	24,235				20,469				15.562		12.712
10																							
11	State																						
12	Consolidated Forecast Taxable Income	\$	(25,868)	\$	(1,679)	\$	(524)	\$	1,024	\$	1,357	\$	1,496	\$	1,704	\$	1,933	\$	2,184	\$	2,452	\$	2,909
13	Ratepayer NOL, BOY	\$	1,911	\$	1,911	\$	1,911	\$	1,911	\$	887	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
14	less: Ratepayer NOLs applied	\$	-	\$	-	\$	-	\$	(1,024)	\$	(887)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
15	Ratepayer NOL, EOY	\$	1,911	\$	1,911	\$	1,911	\$	887	\$	- ′	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
16	Shareholder Deductions BOY	\$	28,292	\$	28,292	\$	28,292	\$	28,292	\$	28,292	\$	27,822	\$	26,326	\$	24,622	\$	22,688	\$	20,504	\$ 1	18,052
17	less: Shareholder Deductions Applied	\$		\$		\$	-	\$		\$	(470)	\$	(1,496)	\$	(1,704)	\$	(1,933)	\$	(2,184)	\$	(2,452)	\$	(2,909)
18	Shareholder Deductions EOY	\$	28,292	\$	28,292	\$	28,292	\$	28,292	\$	27,822	\$	26,326	\$	24,622	\$	22,688	\$	20,504	\$	18,052	\$ 1	15,143
19																							
20	Additional Contributions to Trust	\$	-	\$	-	\$	-	\$	-	\$	42	\$	132	\$	501	\$	612	\$	683	\$	758	\$	855
1			<u>2031</u>		<u>2032</u>		2033		<u>2034</u>		<u>2035</u>		<u>2036</u>		<u>2037</u>		2038		2039		<u>2040</u>		
2	Federal																						
3	Consolidated Forecast Taxable Income	\$	3,797	\$	4,058	\$	4,335	\$	4,627	\$	5,452	\$	5,754	\$	6,052	\$	6,362	\$	6,687	\$	7,029		
4	Ratepayer NOL, Beginning of Year (BOY)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
5	less: Ratepayer NOLs applied	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
6	Ratepayer NOL, End of Year (EOY)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
7	Shareholder Deductions BOY	\$	12,712	\$	9,675	\$	6,429	\$	2,961	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
8	less: Shareholder Deductions Applied	\$	(3,037)	\$	(3,247)	\$	(3,468)		(2,961)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
9	Shareholder Deductions EOY	\$	9,675	\$	6,429	\$	2,961	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
10																							
11	State	_		_		_		_		_		_		_		_		_		_			
12	Consolidated Forecast Taxable Income	\$	3,085	\$	3,286	\$	3,498	\$	3,722	\$	3,956	\$	4,184	\$	4,403	\$	4,630	\$	4,869	\$	5,120		
13	Ratepayer NOL, BOY	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
14	less: Ratepayer NOLs applied	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
15	Ratepayer NOL, EOY	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
16	Shareholder Deductions BOY	\$	15,143		12,057	\$	8,772	\$	5,274	\$	1,552	\$	-	\$	-	\$	-	\$	-	\$	-		
17	less: Shareholder Deductions Applied	\$	(3,085)		(3,286)				(3,722)		(1,552)	\$	-	\$	-	\$	-	\$	-	\$	-		
18	Shareholder Deductions EOY	\$	12,057	\$	8,772	\$	5,274	\$	1,552	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
19																							
20	Additional Contributions to Trust	\$	911	\$	972	\$	1,037	\$	951	\$	137	\$	-	\$	-	\$	-	\$	-	\$	-		

Shareholder Deductions are forecast to be exhausted by 2035, thus the forecast horizon for this schedule is 2020 - 2040 Forecast deductions may not occur as shown on this schedule due to potential changes in taxable income, tax rates and tax law

Lines 3 and 12 show projected federal and state taxable income after the application of any current-year losses. Taxable income is projected to be negative from 2020 through 2022. Beginning in 2023, line 5 shows the application of the Ratepayer NOLs to reduce federal taxable income and line 14 shows the application of the Ratepayer NOLs to reduce state taxable income. In 2024, the Ratepayer NOLs are projected to be exhausted for state taxable income, which results in the first application of Shareholder Deductions in line 17 that generates the first Additional Shareholder Contribution in line 20. Similarly, in 2026, the Ratepayer NOLs are exhausted for federal taxable income and, as reflected in line 8, the Shareholder Deductions are then applied to reduce federal taxable income and generate Shareholder Tax Benefits that fund the Additional Shareholder Contribution for 2026. Table 6-2 reflects PG&E's current forecast following

emergence from Chapter 11 on July 1, 2020. Table 6-2 also reflects the effect of Assembly Bill (AB) 85, which defers certain state NOLs for 2020, 2021, and 2022. Because PG&E forecasts a state taxable loss for 2020-2022, the deferral required by AB 85 does not affect the application of the Ratepayer NOLs in 2020-2022 or subsequent Shareholder Deductions in Table 6-2.

Table 6-2 reflects PG&E's forecast of taxable loss or income. It assumes the same tax rates as used to calculate the Cap. PG&E's actual taxable income may vary from the forecast. PG&E will use actual taxable income, not the projections in Table 6-2, in the formula and use the actual tax rate applicable at the time of the formula calculation to determine Additional Shareholder Contributions. If the applicable tax rate in the year of the formula calculation is greater or lesser than the amount that was used in Table 6-2 and to set the Cap in Table 6-1, the Additional Shareholder Contributions for any particular tax year will be larger or smaller than the projections and the Cap may not be reached at all, or it may be reached sooner or later than projected in Table 6-2.

The formula for calculating Additional Shareholder Contributions can be summarized by the following steps:

- Step 1: Taxable income Ratepayer NOL balance = A. If A >0, proceed to Step 2.
- Step 2: B = lesser of A or remaining balance of Shareholder Deductions.
- Step 3: C = B × applicable state or federal tax rate.
- Step 4: Additional Shareholder Contribution = C until aggregate Cap reached (or the Recovery Bonds have been repaid).

Applying this formula, PG&E would continue making contributions to the Customer Credit Trust until the earliest to occur of: (1) Additional Shareholder Contributions reach \$7.59 billion; (2) Shareholder Deductions have been fully applied; or (3) the Recovery Bonds have been repaid in full and the FRCs have ceased.

Timing of Additional Shareholder Contributions to the Customer Credit Trust

PG&E can determine its actual taxable income for a given year only after it prepares its federal and state tax returns for that year. In general,

PG&E's federal and California tax returns must be filed in the fourth quarter of the year that follows the tax year in question. For purposes of applying the formula, rather than delaying Additional Shareholder Contributions until after the tax returns are completed, PG&E will estimate its taxable income for any tax year by April 15th of that tax year. If the formula calculates an Additional Shareholder Contribution based on the estimated taxable income, PG&E will make the Additional Shareholder Contribution in four equal installments. The first quarter contribution will be made at the end of April. The remaining three contributions will be made at the end of the second, third, and fourth quarters.

This methodology is illustrated in the following example, where "Y1" indicates a hypothetical year in which Additional Shareholder Contributions are payable based on estimated taxable income for Y1:

April 15 Y1	Apply formula based on estimated taxable income in Y1. Formula indicates Additional Shareholder Contributions of \$400 million.
End of April Y1	\$100M Additional Shareholder Contribution to Customer Credit Trust
Q2Y1	\$100M Additional Shareholder Contribution to Customer Credit Trust
Q3Y1	\$100M Additional Shareholder Contribution to Customer Credit Trust
Q4Y1	\$100M Additional Shareholder Contribution to Customer Credit Trust

When PG&E finalizes its federal and state tax returns the following year, it will determine its actual taxable income for the prior year and use the formula to calculate the Additional Shareholder Contribution for that prior year using actual taxable income. If PG&E over-contributed funds to the Customer Credit Trust (because, for example, actual taxable income was lower than estimated), no adjustment will be made and the prior-year Additional Shareholder Contribution will be counted in determining whether PG&E has reached the Cap. If PG&E under-contributed to the Customer Credit Trust in the prior year (because for example, actual taxable income was higher than forecast), PG&E will contribute the supplemental Additional Shareholder Contribution to the Customer Credit Trust in the fourth quarter

of the year that it files its original tax returns or in quarterly installments the following year (i.e., the year after the original tax returns are filed).

3. The Customer Credit is Designed to Provide Rate Neutrality

PG&E forecasts that the combination of the Initial Shareholder Contribution, the Additional Shareholder Contributions and the Customer Credit Trust Returns will be sufficient to equal or exceed the FRCs over the period the Recovery Bonds are outstanding, thereby providing rate neutrality for customers.

This is illustrated by Table 6-3. The annual FRCs reflected in the table are based on a principal amount of securitized Recovery Bonds of \$7.5 billion at an average interest rate of 2.9 percent as described in Chapter 3. The actual interest rate on the Recovery Bonds will be set at the time of pricing and may be less or more than a 2.9 percent average. Table 6-3 shows the balance at the end of the 30-year period going to zero, and shows that under the assumptions underlying Table 6-3 the FRCs in each period are exactly equal to the Customer Credit.

Table 6-3 assumes that funds in the Customer Credit Trust generate a constant annual rate of return on investment for simplicity of presentation. The Initial Shareholder Contribution is sufficient to fund the first 5 years of Customer Credits without including any investment returns. As demonstrated by the testimony of Mr. Greg Allen herein, it is reasonable to expect that the rate of return the Trust will earn in the future will equal or exceed the amount needed for the Customer Credit Trust to have sufficient assets to fully fund the Customer Credit throughout the 30-year period.

As described herein by Greg Allen, the break-even geometric annualized rate of return (accounting for the volatility of returns each year) is 4.04 percent before taxes, which equates to the 2.79 percent arithmetic average annualized after-tax return used in Table 6-3.

TABLE 6-3 ILLUSTRATIVE SECURITIZATION FIXED RECOVERY CHARGE AND CUSTOMER CREDIT SCHEDULE (MILLIONS OF DOLLARS)

Line No.																						
1 Fixed Recovery Charge (FRC)	2	21	2022	20	23	2024	2025	2026	i	2027	2028	2029	203	0	2031		2032		2033	20	034	2035
2 Annual Debt Service	\$ 18	5.4 \$	299.6	\$ 299.	6 \$	389.1	\$ 389.1	\$ 389.1	\$ 3	389.1 \$	389.1	\$ 389.1	\$ 389.	\$	389.1	\$	389.1	\$ 3	389.1	\$ 389	9.1 \$	389.1
3 Servicing & Administrative Fees (PG&E)		2.9 \$		\$ 3.			\$ 3.8	\$ 3.8		3.8 \$		\$ 3.8	\$ 3.8		3.8	\$	3.8	\$			3.8 \$	
4 Rating Agency Fees).2 \$			2 \$		\$ 0.2	\$ 0.2		0.2 \$		\$ 0.2	\$ 0.2		0.2	\$	0.2	\$).2 \$	
5 Ongoing Financing Costs ^{1,2}).2 \$			3 \$			\$ 0.3		0.3 \$		\$ 0.3	\$ 0.		0.3	\$		\$	0.3		0.3 \$	
6 Subtotal		9.7 \$	303.9	\$ 303.	9 \$	393.4	\$ 393.4	\$ 393.4	\$ 3	393.4 \$	393.4	\$ 393.4	\$ 393.4	\$	393.4	\$	393.4	\$ 3	393.4	\$ 393	3.4 \$	393.4
7 Collection Lag Gross Up ³		3.2																				
8 Uncollectibles 9 Annual FRC RRQ	\$ \$ 25).8 \$ 3.7 \$		\$ 1.	0 \$ 9 \$		\$ 1.3 \$ 394.7	\$ 1.3 \$ 394.7		1.3 \$ 394.7 \$			\$ 1.3 \$ 394.3		1.3 394.7	\$		\$ 3	1.3 394.7	\$ 394	1.3 \$	
9 Annual FRC RRQ 10	\$ 25	5.7 \$	304.9	\$ 304.	9 \$	394.7	\$ 394.7	\$ 394.7	\$ 3	394.7 \$	394.7	\$ 394.7	\$ 394.	, ,	394.7	Ф	394.7	\$ 3	394.7	\$ 394	/ ఫ	394.7
11 PG&E Customer Credit																						
12 Annual Customer Credit RRQ ⁴	\$ (25	3.7) \$	(304.9)	\$ (304.	2 (0	(394.7)	\$ (394.7)	\$ (394.7	S (3	394.7) \$	(394.7)	\$ (394.7)	\$ (394.	7) ¢	(394.7)	9	(394.7)	\$ 10	394.7)	\$ (30/	1.7) \$	(394.7)
13 Servicing & Administrative Fee from SPE		2.9) \$			8) \$		\$ (3.8)			(3.8) \$					(3.8)		(3.8)	, ,			3.8) \$	(
14 Uncollectibles		1.8) \$			0) \$		\$ (1.3)			(1.3) \$					(1.3)		(1.3)		(1.3)		1.3) \$. ,
15 Trust Funded	\$ (18	.8) \$	(300.1)			(389.6)				389.6) \$					(389.6)		(389.6)		389.6)		9.6) \$	(389.6)
16 Cash Lag⁵	\$ (6	3.2) \$	- 1	\$ -	\$	-	\$ -	\$ -	\$	- \$		\$ -	\$ -	\$	-	\$	-	\$	-	\$ -	\$	-
17		, .																				
18 Customer Credit Trust																						
19 Customer Credit Trust, BOY						1,126.5		\$ 567.1		95.9 \$			\$ 1,673.		2,193.2	\$2	,783.4					4,895.3
20 Initial Shareholder Contribution	\$ 1,80			\$ -	\$		\$ -	\$ -	\$	- \$		\$ -	\$ -	\$	-	\$	-	\$		\$ -	Ψ	
21 Additional Contributions	\$	\$		\$ -	\$		\$ 132.2	\$ 500.8		511.6 \$		\$ 757.9	\$ 855.		910.6			\$ 1,0		\$ 950		
22 Customer Credit		i.8) \$, ,		,	. ,	\$ (389.6)			389.6) \$		\$ (389.6)		,	(389.6)		. ,		,		9.6) \$	
23 Customer Credit Trust Return ⁶		3.1 \$		\$ 35.			\$ 19.1	\$ 17.6		22.8 \$		\$ 40.9	\$ 53.		69.3	\$				\$ 126		
24 Customer Credit Trust, EOY	\$ 1,64	9.3 \$	1,391.6	\$ 1,126	5 \$	805.4	\$ 567.1	\$ 695.9	\$ 9	940.6 \$	1,264.3	\$ 1,673.5	\$ 2,193.	2 \$2	2,783.4	\$ 3	,452.9	\$ 4,2	207.4	\$ 4,895	.3 \$	4,777.5
25 26 Customer Net Bill Impact		0.0	\$0.0	\$0		\$0.0	\$0.0	\$0.0		\$0.0	\$0.0	\$0.0	\$0	0	\$0.0		\$0.0		\$0.0		0.0	\$0.0
Line																						
Line No. 1 Fixed Recovery Charge (FRC)	2	36	2037	20	38	2039	2040	2041	ı	2042	2043	2044	204	5	2046		2047		2048	20	049	2050
No.		036 0.1 \$			3 <u>8</u> 1 \$		2040 \$ 389.1	2041 \$ 389.1		2042 389.1 \$		2044 \$ 389.1	204 \$ 389.		2046 389.1	\$	2047 389.1	\$ 3		20 \$ 389		
No. 1 Fixed Recovery Charge (FRC)	\$ 38 \$	0.1 \$ 3.8 \$	389.1 3.8	\$ 389.	1 \$ 8 \$	389.1 3.8	\$ 389.1 \$ 3.8	\$ 389.1 \$ 3.8	\$ 3 \$	3.8 \$	389.1 3.8	\$ 389.1 \$ 3.8	\$ 389. \$ 3.6	\$	389.1 3.8	\$	389.1 3.8	\$	389.1 3.8	\$ 389	9.1 \$ 3.8 \$	389.1 3.8
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service	\$ 38 \$	9.1 \$	389.1 3.8	\$ 389.	1 \$	389.1 3.8	\$ 389.1	\$ 389.1 \$ 3.8	\$ 3 \$	389.1 \$	389.1 3.8	\$ 389.1	\$ 389.	\$	389.1		389.1 3.8	-	389.1 3.8	\$ 389	9.1 \$	389.1 3.8
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E)	\$ 38 \$ \$	0.1 \$ 3.8 \$	389.1 3.8 0.2 0.3	\$ 389 \$ 3. \$ 0. \$ 0.	1 \$ 8 \$	389.1 3.8 0.2 0.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3	\$ 3 \$ \$ \$	3.8 \$ 0.2 \$ 0.3 \$	389.1 3.8 0.2 0.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3	\$ 389. \$ 3.6 \$ 0.3 \$ 0.3	S S S S	389.1 3.8 0.2 0.3	\$	389.1 3.8 0.2 0.3	\$	389.1 3.8 0.2 0.3	\$ 389 \$ 3 \$ 0 \$ 0	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$	389.1 3.8 0.2 0.3
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees	\$ 38 \$ \$ \$ \$	0.1 \$ 3.8 \$ 0.2 \$ 0.3 \$	389.1 3.8 0.2 0.3	\$ 389 \$ 3. \$ 0. \$ 0.	1 \$ 8 \$ 2 \$	389.1 3.8 0.2 0.3	\$ 389.1 \$ 3.8 \$ 0.2	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4	\$ 3 \$ \$ \$ \$	3.8 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$	389.1 3.8 0.2 0.3 393.4	\$ 389.1 \$ 3.8 \$ 0.2	\$ 389. \$ 3.8 \$ 0.3	S S S S S	389.1 3.8 0.2	\$	389.1 3.8 0.2 0.3	\$ \$	389.1 3.8 0.2 0.3	\$ 389 \$ 3	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$	389.1 3.8 0.2 0.3
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ^{1,2} 6 Subtotal 7 Collection Lag Gross Up ³	\$ 38 \$ \$ \$ \$ 39	9.1 \$ 8.8 \$ 9.2 \$ 9.3 \$ 8.4 \$	389.1 3.8 0.2 0.3 393.4	\$ 389 \$ 3. \$ 0. \$ 0. \$ 393.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$	389.1 3.8 0.2 0.3 393.4	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ -	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ -	\$ 3 \$ \$ \$ \$	389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$	389.1 3.8 0.2 0.3 393.4	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ -	\$ 389. \$ 3.8 \$ 0.3 \$ 0.3 \$ 393.4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4	\$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4	\$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4	\$ 389 \$ 0 \$ 0 \$ 393 \$ -	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$	389.1 3.8 0.2 0.3 393.4 (63.2)
No.	\$ 38 \$ \$ \$ \$ 39	0.1 \$ 8.8 \$ 0.2 \$ 0.3 \$ 8.4 \$	389.1 3.8 0.2 0.3 393.4	\$ 389. \$ 3. \$ 0. \$ 393. \$ - \$ 1.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$ 3 \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3	\$ 3 \$ \$ \$ \$ \$	389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3	\$ 389. \$ 3.6 \$ 0.3 \$ 393.6 \$ - \$ 1.3	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ 389 \$ 0 \$ 0 \$ 393 \$ - \$ 1	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ \$ 1.3 \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ¹² 6 Subtotal 7 Collection Lag Gross Up ³ Uncollectibles 9 Annual FRC RRQ	\$ 38 \$ \$ \$ \$ 39	0.1 \$ 8.8 \$ 0.2 \$ 0.3 \$ 8.4 \$	389.1 3.8 0.2 0.3 393.4	\$ 389 \$ 3. \$ 0. \$ 0. \$ 393.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$ 3 \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ -	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ -	\$ 3 \$ \$ \$ \$ \$	389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$	389.1 3.8 0.2 0.3 393.4 -	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ -	\$ 389. \$ 3.8 \$ 0.3 \$ 0.3 \$ 393.4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4	\$ \$ \$	389.1 3.8 0.2 0.3 393.4	\$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ 389 \$ 0 \$ 0 \$ 393 \$ -	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ \$ 1.3 \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ^{1,2} 6 Subtotal 7 Collection Lag Gross Up ³ 8 Uncollectibles 9 Annual FRC RRQ	\$ 38 \$ \$ \$ \$ 39	0.1 \$ 8.8 \$ 0.2 \$ 0.3 \$ 8.4 \$	389.1 3.8 0.2 0.3 393.4	\$ 389. \$ 3. \$ 0. \$ 393. \$ - \$ 1.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$ 3 \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3	\$ 3 \$ \$ \$ \$ \$	389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3	\$ 389. \$ 3.6 \$ 0.3 \$ 393.6 \$ - \$ 1.3	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3	\$ 389 \$ 0 \$ 0 \$ 393 \$ - \$ 1	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ \$ 1.3 \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs 1 2 Subtotal 7 Collection Lag Gross Up 3 Uncollectibles 9 Annual FRC RRQ 10 PG&E Customer Credit	\$ 38 \$ \$ \$ 39 \$ \$ 39	0.1 \$3.8 \$0.2 \$0.3 \$3.4 \$1.3 \$1.7 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ 389 \$ 3. \$ 0. \$ 0. \$ 393. \$ - \$ 1.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$ 3 \$ 7 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7	\$ 3 \$ \$ \$ \$ \$ \$	3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7	\$ 389. \$ 3.4 \$ 0.3 \$ 393. \$ - \$ 1.3	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ \$ 3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ 389 \$ 0 \$ 393 \$ - \$ 1 \$ 394	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ \$ 1.3 \$ 4.7 \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ¹² 6 Subtotal 7 Collection Lag Gross Up ³ Uncollectibles 9 Annual FRC RRQ 10 11 PG&E Customer Credit 12 Annual Customer Credit RRQ ⁴	\$ 38 \$ \$ \$ 39 \$ \$ 39	0.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ 5 1.3 \$ 1.7 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ 389. \$ 3. \$ 0. \$ 393. \$ - \$ 1. \$ 394.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$ 7 \$ \$ 7) \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7	\$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7	\$ 389. \$ 3.4 \$ 0.3 \$ 393. \$ - \$ 1.3 \$ 394.	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ \$ 3 \$ \$ 3 \$ \$ 3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7	\$ 385 \$ 0 \$ 0 \$ 393 \$ - \$ 1 \$ 394	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ \$ 1.3 \$ 1.7 \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ^{1,2} 6 Subtotal 7 Collection Lag Gross Up ³ 8 Uncollectibles 9 Annual FRC RRQ 10 11 PG&E Customer Credit 12 Annual Customer Credit RRQ ⁴ 13 Servicing & Administrative Fee from SPE	\$ 38 \$ \$ \$ 39 \$ \$ \$ 39 \$ (39 \$ (49	0.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ 5 1.7 \$ 1.7 \$ 3.8 \$ 1.7	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8)	\$ 389 \$ 3. \$ 0. \$ 393. \$ 1. \$ 394. \$ (394.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$ 3 \$ \$ 7 \$ \$ 7) \$ \$ 8) \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7	\$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (3.8) \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8)	\$ 389. \$ 0.3 \$ 0.3 \$ 393. \$ - \$ 1.3 \$ 394. \$ (394.)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8)	\$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8)	\$ \$ 3 \$ \$ 3 \$ \$ 3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (3.8)	\$ 3894 \$ 0 \$ 393 \$ - \$ 394 \$ (394 \$ (394	9.1 \$ 3.8 \$ 3.2 \$ 3.4 \$ 3.4 \$ \$ 1.3 \$ \$ 1.7 \$ \$ 1.7) \$ 3.8) \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3 (331.3) (3.8)
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ^{1,2} 6 Subtotal 7 Collection Lag Gross Up ³ Uncollectibles 9 Annual FRC RRQ 10 10 PG&E Customer Credit 12 Annual Customer Credit RRQ ⁴ 13 Servicing & Administrative Fee from SPE 14 Uncollectibles	\$ 38 \$ \$ \$ 39 \$ \$ \$ 39 \$ (39 \$ (4) \$ (4)	0.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ 3.4 \$ 1.7 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ 389. \$ 3. \$ 0. \$ 393. \$ - \$ 1. \$ 394. \$ (394. \$ (3.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$ 3 \$ \$ 7 \$ \$ 7) \$ 8) \$ \$ 3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8) \$ (1.3)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7 \$ (3.8 \$ (1.3	\$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ 5.3 \$ 394.7 \$ (3.8) \$ (1.3) \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8) \$ (1.3)	\$ 389. \$ 0.3 \$ 0.3 \$ 393. \$ - \$ 1.3 \$ 394. \$ (394. \$ (3,4) \$ (1,3)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ \$ 3 \$ \$ 3 \$ \$ 3 \$ \$ (3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (3.8) (1.3)	\$ 3894 \$ 0 \$ 393 \$ 1 \$ 394 \$ (394 \$ (394 \$ (3)5	9.1 \$ 3.8 \$ 3.2 \$ 3.4 \$ 3.4 \$ \$ 1.3 \$ \$ 1.7 \$ \$ 1.3 \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3 (331.3) (3.8) (1.1)
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs 12 6 Subtotal 7 Collection Lag Gross Up ³ 8 Uncollectibles 9 Annual FRC RRQ 10 11 PG&E Customer Credit 12 Annual Gustomer Credit RRQ ⁴ 13 Servicing & Administrative Fee from SPE 14 Uncollectibles 15 Trust Funded	\$ 38 \$ \$ \$ 39 \$ 39 \$ 39 \$ 39 \$ (39) \$ (4) \$ (38)	0.1 \$ 3.8 \$ 3.2 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.6 \$ 3.8 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ 389. \$ 0. \$ 393. \$ - \$ 1. \$ 394. \$ (394. \$ (3. \$ (1. \$ (389.	1 \$ \$ \$ \$ 2 \$ \$ 3 \$ \$ 4 \$ \$ \$ \$ 7 \$ \$ 7 \$ \$ 8 \$ \$ \$ 3 \$ \$ \$ 6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8) \$ (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7 \$ (3.8 \$ (1.3 \$ (389.6)	\$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (3.8) \$ (1.3) \$ 389.6 \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8) \$ (1.3) \$ (389.6)	\$ 389. \$ 0.0 \$ 0.0 \$ 393. \$ - \$ 1.3 \$ 394. \$ (3.4 \$ (3.4 \$ (3.4) \$ (3.8)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8)	\$ \$ 3 \$ \$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (3.8) (1.3) 389.6)	\$ 385 \$ 0 \$ 0 \$ 393 \$ - \$ 1 \$ 394 \$ (394 \$ (385 \$ (385	9.1 \$ 3.8 \$ 3.2 \$ 3.4 \$ 3.4 \$ 5 4.7 \$ 4.7) \$ 3.8) \$ 1.3 \$ 9.6) \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3 (331.3) (3.8) (1.1) (389.6)
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ^{1,2} 6 Subtotal 7 Collection Lag Gross Up ³ 8 Uncollectibles 9 Annual FRC RRQ 10 11 PG&E Customer Credit 12 Annual Customer Credit RRQ ⁴ 13 Servicing & Administrative Fee from SPE 14 Uncollectibles 15 Trust Funded 16 Cash Lag ³	\$ 38 \$ \$ \$ 39 \$ \$ \$ 39 \$ (39 \$ (4) \$ (4)	0.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ 3.4 \$ 1.7 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ 389. \$ 3. \$ 0. \$ 393. \$ - \$ 1. \$ 394. \$ (394. \$ (3.	1 \$ 8 \$ 2 \$ 3 \$ 4 \$ \$ 3 \$ \$ 7 \$ \$ 7) \$ 8) \$ \$ 3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8) \$ (1.3)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7 \$ (3.8 \$ (1.3	\$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ 5.3 \$ 394.7 \$ (3.8) \$ (1.3) \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8) \$ (1.3)	\$ 389. \$ 0.3 \$ 0.3 \$ 393. \$ - \$ 1.3 \$ 394. \$ (394. \$ (3,4) \$ (1,3)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ \$ 3 \$ \$ 3 \$ \$ 3 \$ \$ (3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (3.8) (1.3) 389.6)	\$ 3894 \$ 0 \$ 393 \$ 1 \$ 394 \$ (394 \$ (394 \$ (3)5	9.1 \$ 3.8 \$ 3.2 \$ 3.4 \$ 3.4 \$ \$ 1.3 \$ \$ 1.7 \$ \$ 1.3 \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3 (331.3) (3.8) (1.1) (389.6)
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ^{1,2} 6 Subtotal 7 Collection Lag Gross Up ³ Uncollectibles 9 Annual FRC RRQ 10 10 PG&E Customer Credit 12 Annual Customer Credit RRQ ⁴ 13 Servicing & Administrative Fee from SPE 14 Uncollectibles 15 Trust Funded 16 Cash Lag ⁵ 17	\$ 38 \$ \$ \$ 39 \$ 39 \$ 39 \$ 39 \$ (39) \$ (4) \$ (38)	0.1 \$ 3.8 \$ 3.2 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.4 \$ 3.6 \$ 3.8 \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ 389. \$ 0. \$ 393. \$ - \$ 1. \$ 394. \$ (394. \$ (3. \$ (1. \$ (389.	1 \$ \$ \$ \$ 2 \$ \$ 3 \$ \$ 4 \$ \$ \$ \$ 7 \$ \$ 7 \$ \$ 8 \$ \$ \$ 3 \$ \$ \$ 6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8) \$ (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7 \$ (3.8 \$ (1.3 \$ (389.6)	\$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (3.8) \$ (1.3) \$ 389.6 \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7) \$ (3.8) \$ (1.3) \$ (389.6)	\$ 389. \$ 0.0 \$ 0.0 \$ 393. \$ - \$ 1.3 \$ 394. \$ (3.4 \$ (3.4 \$ (3.4) \$ (3.8)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	\$ \$ 3 \$ \$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (3.8) (1.3) 389.6)	\$ 385 \$ 0 \$ 0 \$ 393 \$ - \$ 1 \$ 394 \$ (394 \$ (385 \$ (385	9.1 \$ 3.8 \$ 3.2 \$ 3.4 \$ 3.4 \$ 5 4.7 \$ 4.7) \$ 3.8) \$ 1.3 \$ 9.6) \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3 (331.3) (3.8) (1.1) (389.6)
No. 1 Fixed Recovery Charge (FRC) 2 Annual Debt Service 3 Servicing & Administrative Fees (PG&E) 4 Rating Agency Fees 5 Ongoing Financing Costs ^{1,2} 6 Subtotal 7 Collection Lag Gross Up ³ 8 Uncollectibles 9 Annual FRC RRQ 10 11 PG&E Customer Credit 12 Annual Customer Credit RRQ ⁴ 13 Servicing & Administrative Fee from SPE 14 Uncollectibles 15 Trust Funded 16 Cash Lag ³	\$ 38 \$ \$ \$ \$ \$ 39 \$ \$ \$ (39 \$ (49) \$ (40) \$	0.1 \$.8 \$.8 \$.0.2 \$.0.2 \$.0.3 \$.4.4 \$.1.7	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (389.6) -	\$ 389. \$ 3. \$ 0. \$ 393. \$ - \$ 1. \$ 394. \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3. \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3.) \$	1	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (3.8) \$ (1.3) \$ (389.6) \$ -	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (394.7 \$ (3.8 \$ (1.3 \$ (389.6)	\$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ 5 \$ 5 \$ 6 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7	3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ 5 394.7 \$ 394.7 \$ (3.8) \$ (1.3) \$ 389.6) \$ - \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (389.6) \$ (389.6) \$ -	\$ 389. \$ 0.0 \$ 0.0 \$ 393. \$ - \$ 1.3 \$ 394. \$ (3.4 \$ (3.4 \$ (3.4) \$ (3.8)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3)	****	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (38) (1.3) (389.6)	\$ \$ 3 \$ \$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (3.8) (1.3) 389.6)	\$ 385 \$ 0 \$ 0 \$ 393 \$ - \$ 1 \$ 394 \$ (394 \$ (385 \$ (385	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ \$ 1.3 \$ 4.7 \$ 14.7) \$ 3.8) \$ 1.3) \$ \$ 5.6) \$ \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3 (331.3) (3.8) (1.1) (389.6) 63.2
No.	\$ 38 \$ \$ \$ \$ \$ 39 \$ \$ \$ (39 \$ (49) \$ (40) \$	0.1 \$.8 \$.8 \$.0.2 \$.0.2 \$.0.3 \$.4.4 \$.1.7	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (389.6)	\$ 389. \$ 3. \$ 0. \$ 393. \$ - \$ 1. \$ 394. \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3.) \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3. \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3. \$ (3.) \$ (3.) \$	1	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (38) (1.3) (389.6) -	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (3.8) \$ (1.3) \$ (389.6) \$ -	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (388.5 \$ (1.3 \$ (389.6 \$ -	\$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ \$ \$ 3 \$ 5 \$ 5 \$ 6 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7	3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ 5 394.7 \$ 394.7 \$ (3.8) \$ (1.3) \$ 389.6) \$ - \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ 394.7 \$ (389.6) \$ (389.6) \$ -	\$ 389. \$ 0. \$ 0. \$ 393. \$ - \$ 1. \$ 394. \$ (3.4 \$ (3.4 \$ (3.8). \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	****	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (38) (1.3) (389.6)	\$ \$ 3 \$ \$ 3 \$ \$ (3 \$ \$ (3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (3.8) (1.3) 389.6) -	\$ 385 \$ 0 \$ 0 \$ 393 \$ - \$ 394 \$ (394 \$ (385 \$ -	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ \$ 1.3 \$ 4.7 \$ 1.3 \$ 1.3 \$ 1.3 \$ 5 1.3 \$	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3 (381.3) (388.6) (398.6) 63.2
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No.	\$ 38 \$ \$ \$ 39 \$ 39 \$ (39 \$ (4,77) \$ \$	0.1 \$ 8.8 \$ 8.0.2 \$ 8.0.2 \$ 8.0.3 \$ 8.4.4 \$ 8.1.3 \$ 8.1.7 \$ 8.	389.1 3.8 0.2 0.3 393.4 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ 389. \$ 0. \$ 393. \$ 1. \$ 394. \$ (394. \$ (389. \$ (389. \$ - \$ 4,249.	1	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (398.6) - 3,974.6	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 1.3 \$ (394.7) \$ (3.8) \$ (3.8) \$ (389.6) \$ - \$ 3,691.8 \$ -	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - \$ 13.3 \$ 394.7 \$ (3.8 \$ (1.3 \$ (3.8) \$ (3.8) \$ - \$ (3.8) \$ (3.8) \$ - \$ (3.8) \$ (\$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ - 1.3 \$ 394.7 \$ 394.7 \$ 394.7 \$ 398.6 \$ - \$ 101.8 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (389.6) - 2,794.3	\$ 389.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 393.4 \$ 1.3 \$ 394.7 \$ (3.8) \$ (3.8) \$ (3.8) \$ - \$ 2,478.1 \$ - \$ -	\$ 389. \$ 0 \$ 0 \$ 393. \$ - \$ 1 \$ 394. \$ (394. \$ (389. \$ - \$ 2,153. \$ - \$ 2,153.	\$\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (3.8) (1.3) (389.6)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (394.7) (38) (1.3) (389.6)	\$ \$ 3 \$ \$ 3 \$ \$ (3 \$ \$ (3 \$ \$ (3 \$ \$ (3 \$ \$ (3) \$ (3	389.1 3.8 0.2 0.3 393.4 - 1.3 394.7 (3.8) (1.3) 389.6) - 121.4	\$ 385 \$ 0 \$ 20 \$ 393 \$ 1 \$ 394 \$ (394 \$ (385 \$ - \$ 1 \$ (385 \$ - \$ 1 \$ 5 2 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1	9.1 \$ 3.8 \$ 0.2 \$ 0.3 \$ 3.4 \$ \$ 1.3 \$ 1.7 \$ 1.7) \$ 3.8) \$ 1.3 \$ \$ 1.3	389.1 3.8 0.2 0.3 393.4 (63.2) 1.1 331.3 (331.3) (389.6) 63.2 384.3
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Assumes \$7.5B securitization starts on 4/1/2021, ~17 yr WAL, 2.9%, 0.051% servicing fees, 0.003% rating agency fees, and 0.33% uncollectibles, 8.84% State Tax Rate, 21% Federal Tax Rate Assumes average after-tax annualized Customer Credit Trust Return is 2.79%

4. Structure of the Customer Credit

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The FRC and the Customer Credit will appear on each customer's monthly bill. PG&E will make monthly withdrawals from the Customer Credit Trust to reimburse itself for the Customer Credit.

When PG&E files annual Routine True-Up Mechanism Advice Letters to adjust the FRCs, as discussed in Chapter 3, Transaction Overview (M. Becker), PG&E will also file Tier 1 Advice Letters to adjust the Customer Credit to equal the adjusted FRCs. PG&E will file annual Tier 1 Advice

¹Accountant's, Legal, Trustee/Trustee's Counsel, Independent Managers', Printing/Edgarizing and Miscellaneous Fees

²RRQ assumes issuance fees are paid by PG&E. Indicative pricing for upfront fees ranges from \$36M - \$57M ³Collection lag gross up assumes a 45 day accounts receivables lag that must be pre-collected to ensure the SPE can service the debt in 2021, with a corresponding reversal in 2050

⁴The Customer Credit is funded by the Trust plus uncollectibes plus the servicing and administrative fee, which is collected from customers, remitted to the SPE, then paid to PG&E by the SPE, and credited to customers

⁵ Assumes the Trust provides a credit equal to the amount PG&E remits to the SPE for the bond debt service plus rating agency and ongoing financing fees, leading to a cash lag analogous to the collection lag, reversed in 2050 Enhis is an average after-tax rate of return less investment advisor fees and an estimated \$500,000 each year in administrative expenses, calculated to result in a zero balance at the end of thirty years

Letters at least 15 days before the last day of February until all principal, interest, and other recovery costs have been paid in full and the FRCs cease. Because these Tier 1 Advice Letters should be ministerial, PG&E proposes that the revised Customer Credits in the annual Tier 1 Advice Letters (assuming timely filing by PG&E with the Commission) go into effect automatically on the following March 1st.

If PG&E files an interim Routine True-Up Mechanism Advice Letter to adjust the FRCs, as discussed in Chapter 3, Transaction Overview (M. Becker), PG&E will also file a Tier 1 Advice Letter to adjust the Customer Credit to equal the adjusted FRC. In the case of a semi-annual interim Routine True-Up Mechanism Advice Letter, PG&E will file an interim Tier 1 Advice Letter at least 15 days before August 31st to adjust the Customer Credit, and the revised Customer Credit would go into effect automatically on the following September 1st. In the case of any other interim Routine True-Up Mechanism Advice Letter, PG&E will file an interim Tier 1 Advice Letter at least 15 days before the end of a calendar month, and the revised Customer Credit would be effective automatically on the 1st day of the following calendar month. The interim Routine True-Up Mechanism advice letter should be ministerial allowing for the revised Customer Credit to be effective automatically on the dates described herein.

As discussed in Chapter 3, Transaction Overview (M. Becker), PG&E may submit Non-Routine True-Up Mechanism Advice Letters to propose revisions to the logic, structure, and components of the cash flow model described in Attachment 1 to the Financing Order. If PG&E does so, it will also file a Tier 1 Advice Letter to adjust the Customer Credit. A non-routine Tier 1 Advice Letter will be filed at least 90 days before the date when the proposed changes will become effective, with the resulting changes effective on the effective date identified in the Tier 1 Advice Letter. PG&E proposes that the Energy Division prepare for the Commission's consideration a resolution that adopts, modifies, or rejects the proposed revisions to the cash flow model. Absent a Commission resolution, PG&E may implement Customer Credit adjustments proposed in a non-routine Tier 1 Advice Letter on the effective date identified in the letter.

Finally, each year, PG&E will project the balance of the Customer Credit Trust for the upcoming year. If the projected balance is less than the annual projected FRC charges for the year, after accounting for any credit to customers for the servicing fee or the administration fee paid to PG&E by the Recovery Bond Special Purpose Entity, PG&E would file a Tier 1 Advice Letter to reduce the Customer Credit such that the projected Customer Credit for the following 12 months will equal the projected balance of the Customer Credit Trust at the end of the year. PG&E will seek to file this Tier 1 Advice Letter at least 15 days before the end of February, such that the revised Customer Credit will be effective automatically on the first day of the following calendar month.

5. Tracking and Presenting the Customer Credit

As described further in Chapter 8, Ratemaking (B. Smith), PG&E would establish a Fixed Recovery Charge and Credit Balancing Account to record the FRC collected from customers and the Customer Credit provided to customers.

PG&E proposes to show the Customer Credit provided to each customer on its bills. Bill presentation for both the FRC and the Customer Credit is addressed in Chapter 9, Rate Proposal (D. Pease).

6. Preservation of Trust Assets for Customer Credit

PG&E believes that the proposed transaction will protect the funds needed to pay the Customer Credit from claims of PG&E's creditors. As explained above, and as set forth in Exhibit 6.1, the Trust Agreement will limit the distribution of amounts held by the Customer Credit Trust to fund the Customer Credit and related expenses of trust administration and computed taxes on Customer Credit Trust Returns. PG&E cannot withdraw funds from the Customer Credit Trust for any other purpose. Further, because the Customer Credit Trust would be established as a grantor trust with a limited purpose, as long as it does not conduct business, it should not be eligible to file for bankruptcy.

PG&E further understands that, in the event of another PG&E bankruptcy, the Commission would continue to possess the authority to ensure that PG&E can continue to satisfy its obligations to fund the

Customer Credit. For example, it would still be necessary in a bankruptcy to secure Commission approval for any proposed transaction outside the ordinary course of business. The Commission could condition any such approval on ensuring continuing funding of the Customer Credit. Similarly, a bankruptcy plan that proposed any changes to PG&E rates—including its commitment to fund the Customer Credit—would require Commission approval. Additionally, incorporating approval of the Customer Credit Trust and limits on use of the Trust Corpus into the Financing Order issued by the Commission provides an additional measure of protection of the Trust Corpus from PG&E's creditors or shareholders.

In short, customers can have reasonable assurance that PG&E will continue to meet its obligations to fund the Customer Credit even if there is another bankruptcy.

7. Benefits to Customers

Ratepayers will receive several benefits from the proposed Securitization.

First, in submitting this Application PG&E has agreed to waive any right to recover any amounts paid in satisfaction of the Fire Claims as defined in PG&E's Chapter 11 Plan⁸ even if the Commission does not authorize the proposed Securitization pursuant to SB 901. PG&E further stipulates that, for purposes of this proceeding, all costs arising from the Fire Claims should be deemed "disallowed" and reviewed for cost recovery and eligibility for securitization solely pursuant to the Stress Test Methodology adopted by the Commission to implement Section 451.2(b).⁹ PG&E respectfully submits that these concessions confer significant value on ratepayers because PG&E incurred substantial wildfire costs that, absent the waiver, likely would have been recoverable from ratepayers.

Second, in addition to waiving any right to recover amounts paid for Fire Claims, PG&E is waiving its right to recover other wildfire costs and

Debtors' and Shareholder Proponents' Joint Chapter 11 Plan of Reorganization Dated June 19, 2020 (PG&E's Plan), *In re PG&E Corporation*, No. 19-30088 (Bankr. N.D. Cal. June 19, 2020), ECF No. 8048, at §§ 1.78, 1.86, and Exhibit A (defining and describing Fire Claims) and 1.6, 1.172, 4.25(a) (describing settlement amounts).

⁹ Pub. Util. Code § 451.1(b).

expenses that are in excess of the customer harm threshold (CHT). By this Application, for example, PG&E seeks to establish that it has incurred at least \$7.5 billion of 2017 wildfire costs and expenses that exceed the CHT. Under Section 451.2(b) of the Public Utilities Code, PG&E would be entitled to recover all of these costs from ratepayers without a credit. PG&E will forego this recovery and thereby confer additional value on ratepayers beyond what is required by law.

Third, as described in the Chapter 5, Stress Test Methodology (J. Sauvage), the proposed Securitization provides ratepayers with the benefit of PG&E accelerating its path back to an investment-grade issuer credit rating for its unsecured debt. The transaction will improve PG&E's borrowing capacity, reduce its borrowing costs, and improve its cash flow. Ratepayers benefit from these improvements in PG&E's financial health and rating through lower future debt costs that are recovered in rates. Following the release of credit ratings and PG&E's issuance of debt in connection with its emergence from Chapter 11, Citigroup Global Markets has quantified the monetary value of these benefits as described in Chapter 5, Section F.3.

Finally, as explained in Chapter 1, Introduction (D. Thomason), PG&E proposes to share 25 percent of any amount remaining in the Customer Credit Trust at its termination and after paying Trust expenses, including taxes, once the Recovery Bonds have been repaid in full and the FRCs have ceased. This aligns the interests of shareholders and ratepayers in maximizing the Customer Credit Trust earnings and value. PG&E's agreement to share the Customer Credit Trust surplus with ratepayers is, in substance, an agreement to compensate ratepayers with shareholder assets. That is because the Customer Credit Trust will be funded entirely with shareholder contributions, as described above. PG&E's agreement to share the Customer Credit Trust surplus with ratepayers thus represents an additional way in which ratepayers will be compensated for assuming some risk associated with the FRCs.

If an adequate surplus exists in the Customer Credit Trust prior to termination that ensures full funding of the Customer Credit, the Commission could order an earlier distribution.

8. Payment of the Customer Credit

As described above, funding for the Customer Credit would come from the Customer Credit Trust. PG&E's failure to provide the Customer Credit would not:

- Change the obligations of consumers to pay FRCs; or
- Allow the CPUC to (i) adjust, amend or modify the FRCs, recovery costs, recovery property or the Recovery Bonds authorized by the Financing Order; (ii) rescind, alter or amend the Financing Order; (iii) revalue or revise for ratemaking purposes the recovery costs or the costs of recovering, financing, or refinancing the recovery costs; or (iv) in any way reduce or impair the value of recovery property either directly or indirectly by taking FRCs into account when setting other rates for PG&E.

9. Conclusion

PG&E requests that the CPUC adopt PG&E's proposed mechanism to implement the Customer Credit.

C. Investment Returns (G. Allen)

1. Professional Background

My name is Gregory C. Allen. I am the Chief Executive Officer and Chief Research Officer (CRO) at the investment consulting firm Callan LLC, where I have worked since 1988. In my current capacity, I oversee all areas of the firm's research and management, including investment research and capital markets research. Callan LLC is one of the largest independently owned investment consulting firms in the United States. Headquartered in San Francisco, with offices across the country, Callan provides research, education, decision support, and investment advice to over 400 institutional investors, responsible for \$2.5 trillion in total assets. I have specialized throughout my career in working with NDTs including those operated by the California utilities, and have provided testimony as an expert witness before the CPUC on this subject on multiple occasions. In two prior assignments I opined before the Commission on: (1) the feasibility and appropriateness of allowing the use of new asset classes; and (2) the potential impacts (reward and risk) of increasing the allowable public equity exposure for certain

qualified trusts. Both cases resulted in the Commission expanding the allowable investments for California NDTs. Additional information regarding my background and qualifications are contained in Appendix A to the Application.

2. Summary of Analysis on Expected Value and Rate of Return

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Using a Monte Carlo simulation model and reasonable assumptions, I estimated the full range of potential financial outcomes for the Customer Credit Trust. I used this range of potential outcomes to calculate an "expected value" for the Customer Credit Trust at the conclusion of the 30-year Bond term. Expected value is a term used in finance to describe the most likely value of an investment when there is uncertainty regarding its outcome (usually used to determine its price). Given the assumptions used in the analysis, the expected value of the Customer Credit Trust at the conclusion of the Bond term was roughly \$4.414 billion in nominal (2050) dollars. In Net Present Value (NPV) terms (using PG&E's proposed authorized return on rate base of 7.34 percent as the discount rate), 11 the expected value at termination was roughly \$535 million. Across the full range of 2,000 simulations generated by the model, the Customer Credit Trust had a positive terminal balance in roughly 84 percent of the outcomes. In the outcomes where the Customer Credit Trust was exhausted before the end of the 30-year Bond term, it happened only in the later years with the Customer Credit Trust maintaining adequate funding to provide the Customer Credit through at least 2047 in 95 percent of the cases.

The threshold breakeven pre-tax 30-year annualized geometric return for the Customer Credit Trust across the range of simulations was approximately 4.04 percent. An analysis using historical returns going back to 1926 (discussed below) revealed that there was not a single 30-year period since 1926 where the investment portfolio assumed for the Customer Credit Trust in the analysis would have generated an annualized return

PG&E recently submitted a Tier 2 Advice Letter as directed by the Commission in Decision (D.) 20-05-053 to update its cost of debt from 5.16 percent to 4.17 percent, thereby implementing the interest cost savings resulting from the Plan. See D.20-05-053 at 122 (Ordering Paragraph 6); Advice Letter 4275-G/5887-E (July 22, 2020).

below 7.49 percent—well above the 4.04 percent threshold. Based on these and other metrics, the specifics of which are discussed further in the following testimony, I believe it is reasonable to expect that the funds in the Customer Credit Trust can earn a sufficient return on investment in most cases such that the balance of the Customer Credit Trust will be equal to or greater than the FRCs in each year and over the life of the FRCs.

3. Monte Carlo Simulation

Monte Carlo is a computational technique that, in this case, does iterative simulations that track the behavior of an investment portfolio over time in a distribution of hypothetical markets. Quantifying the expected value of the Customer Credit Trust is well suited to Monte Carlo simulations. It is particularly appropriate when the investment horizon is long, such as the 30-year expected life of the FRCs and the Customer Credit Trust. Variants of this model have been used over the last three decades with a wide range of institutional investors—including pension funds, foundations, endowments, and target date funds—with the goal of helping their stakeholders understand the expected value of their portfolios and make investment strategy decisions to meet future funding obligations. The Commission has previously relied on this type of analysis conducted by Callan in the context of reevaluating the asset allocation guidelines for NDTs.12

The rate of return for investments in the Customer Credit Trust, and hence its ability to meet its obligations, will depend on its investment policy as well as the inflows and outflows of cash over time combined with the behavior of the capital markets over the life of the Customer Credit Trust. The Monte Carlo analysis I employed generates 2,000 different trials. Each trial simulates a potential market outcome (e.g., rates of return for particular asset classes over time) based on the possible behavior of inflation, interest rates, equity market returns, currency movements, and other capital market

¹² See D.13-01-039 at 11-21.

and economic variables over a 30-year investment period. ¹³ Together, the 2,000 trials represent a conservative estimate of the full range of potential capital market outcomes for the anticipated investment portfolio of the Customer Credit Trust. I then used those trials to calculate the expected value of the ending balance of the Customer Credit Trust. "Expected value" is a term used in finance to describe the most likely value of an investment when there is uncertainty regarding its outcome (usually used to determine its price).

Finally, I designed the Monte Carlo model used in this analysis to handle taxable trusts and thus to track total return, interest income, dividend income, turnover, cost basis, and market value for each asset class. This level of granularity allows the model to simulate after-tax returns that take into account the real world impacts of deferring taxes in low turnover strategies (for example, index funds), and paying computed taxes when assets have to be liquidated to make distributions.

4. Quantitative Assumptions

a. Cash Flows

 As described by David Thomason earlier in this chapter, the Customer Credit Trust will be funded initially with \$1.8 billion, followed by a projected \$7.59 billion in Additional Shareholder Contributions from 2024 through 2035.14

My analysis assumes that the Additional Shareholder Contributions to the Customer Credit Trust are made as described in Table 6-2 above and that the FRCs will be in the amounts shown in Table 6-3. The cash flows for the Customer Credit Trust were the same across all 2,000 trials in the Monte Carlo simulation. The analysis assumed low cost passive index implementation with a weighted average annual expense ratio of

For example, simulated equity returns in a Monte Carlo model can be specified such that 90 percent of the time the return on U.S. stocks for any given year will fall between 33.8 percent and –20.6 percent, with a midpoint of 7.9 percent. A similar distribution is specified for each of the random variables (e.g., bond return, inflation, etc.).

¹⁴ For convenience, the analysis assumed a starting date of January 1, 2021 and an ending date of December 31, 2050. The analysis could have started in April of 2021 and gone through March of 2051. As long as the time period remains 30 years, the specific starting date and ending date of the analysis is immaterial.

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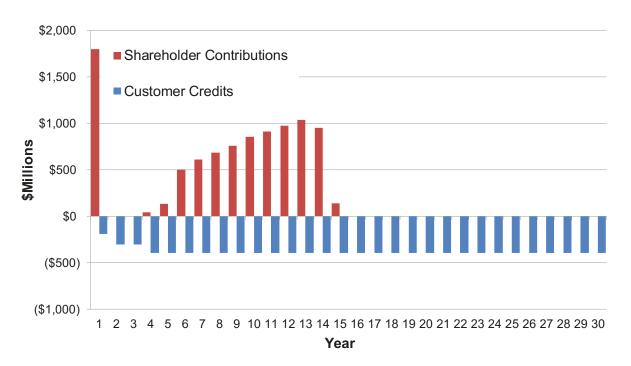
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0.05 percent. Those advisor fees, as well as computed tax liabilities or tax benefits for investment returns or losses are reflected in the model in calculating after-tax returns. I also included \$500,000 per year in administrative expenses of the Customer Credit Trust, which was an estimate provided by PG&E. Figure 6-1 is a graphical representation of the inflows and outflows for the Customer Credit Trust used in the analysis.

FIGURE 6-1 CUSTOMER CREDIT TRUST CASH FLOWS

Customer Credit Trust Cash Flows



b. Investment Guidelines

The following are the asset allocation guidelines approved by the Commission for the operation of the NDTs:

 Equities may comprise up to 80 percent of the total portfolio value, with no more than 30 percent of total equity value placed in non-U.S. equities;

- Fixed income securities below investment grade are allowed so long as the overall combined fixed income portfolio remains at a minimum credit quality of "A"; and
- Up to 50 percent of NDTs assets may be under active management.¹⁵

I understand that PG&E will ask the Commission to approve the same guidelines for the Customer Credit Trust. 16 My analysis therefore applies those guidelines, and uses three asset classes: U.S. Equities; Non-U.S. Equities; and U.S. Fixed-Income. The analysis assumed that each asset class was implemented using a low-cost passive indexed approach. 17 This investment strategy is consistent with the standard approach employed by PG&E and other California utilities in the NDTs described above. The asset allocation for the Trust was assumed to be held constant over the entire life of the Customer Credit Trust, and was rebalanced quarterly to get back to target. In general, for portfolios with 20-year plus investment horizons, higher equity exposure results in better investment outcomes and reduces the risk of any shortfall. In this case, the Customer Credit Trust has a 30-year investment horizon. The Customer Credit Trust also has the advantage that cash outflows are known with relative certainty in advance. This virtually eliminates the risk on the liability side compared with an NDT where liability uncertainty is a significant component of the total risk faced by those trusts. As a result, I used an asset allocation of 80 percent equities and 20 percent

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¹⁵ D.13-01-039 at 50-51.

Many large institutional investors (e.g., CalPERS, CalSTRS, etc.) employ alternative asset classes such as private commercial real estate and private equity in their portfolios. The inclusion of these asset classes can improve return and/or reduce risk relative to the simple portfolio assumed in this analysis. It will be up to the Commission to decide whether to allow these types of investments in the Customer Credit Trust, and up to the Investment Committee for the Trust to decide whether to employ them.

¹⁷ Passive indexed investing (used in the management of index funds) is a mechanical approach where the portfolio is built using all of the securities within a certain market segment. Typically the weight of each security is based on its total market value. In equity indices, for example, larger companies have more weight in the index than smaller companies. Indexed investing is generally considered to be very efficient, it is low cost, and it has low annual turnover (making it tax-efficient).

fixed income. Non-U.S. Equities comprised 30 percent of the total equities within the asset mix (consistent with the NDT guidelines).

c. Capital Market Assumptions

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Tables 6-4 and 6-5 show the capital market assumptions that were used in the analysis. These assumptions represent Callan's standard long-term (30-year) projections. They are developed by Callan's Capital Market Research Group each year and are used in the strategic planning work Callan undertakes with all of its institutional clients. They are long-term, forward-looking projections that take into account current market conditions, but are also strongly grounded in observed history. Because these projections are used with hundreds of different institutional investors representing trillions of dollars in assets, they undergo a robust process of internal and external scrutiny every year. Callan's peer review process challenges every number to ensure that it is individually reasonable and defensible, and that all of the numbers work together coherently as a set to support reasonable long-term investment decisions. As a final check to ensure reasonability, the numbers are compared with projections from a broad range of other market participants including economists, central banks, consulting firms, investment banks and asset managers.

The annualized geometric returns shown in Table 6-4 represent the mid-point of the range of potential 30-year return outcomes for each asset class. (In the simulations, 50 percent of the trials will have returns above this level and 50 percent will have returns below this level.) The projected standard deviation describes the range of potential return outcomes in any given year for each asset class. (Two-thirds of the years in any given trial will have returns within one standard deviation of the expected annualized geometric return.) The projected correlation describes the relationship between the returns for each asset class. Numbers close to 1.0 mean that the asset classes are highly correlated, and their return patterns will be similar over time. Generally, the lower the correlation between two asset classes, the better they diversify each other when held together.

TABLE 6-4 CALLAN LONG-TERM CAPITAL MARKET PROJECTIONS RETURN AND STANDARD DEVIATION

			30-year	
Line			Geometric	Standard
No.	Asset Class	Proxy Index	Return	Deviation
1	Broad US Equity	Russell 3000	7.15%	18.10%
2	Non-US Equity	MSCI ACWI ex-US	7.15%	20.50%
3	US Fixed Income	Bloomberg Aggregate	3.60%	3.75%

TABLE 6-5 CALLAN LONG TERM CAPITAL MARKET PROJECTIONS CORRELATION

Line No.	Asset Class	Broad US Equity	Non-US Equity	US Fixed Income
1 2	Broad US Equity Non-US Equity	1.000 0.808	0.808 1.000	-0.107 -0.120
3	US Fixed Income	-0.107	-0.120	1.000

d. Taxes

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The analysis assumed that the Customer Credit Trust was fully taxable at the current highest federal corporate income tax rate of 21 percent and the California franchise tax rate of 8.84 percent. These assumptions result in an assumed combined tax rate of 27.984 percent. I also assumed that the Customer Credit Trust distributes or receives these amounts for the computed tax liability or benefit of the Trust investment gains or losses in the year in which they were incurred. The model tracks bond interest income, dividend income, and realized capital gains and losses associated with sales related to portfolio turnover, rebalancing, and liquidation. This allows the model to simulate after-tax returns that take into account the real world impacts of deferring taxes in low turnover strategies (e.g., index funds), and paying taxes when assets have to be liquidated to make distributions. In years where Additional Shareholder Contributions were made, I assumed that they were netted against required distributions to avoid unnecessary turnover in the Customer Credit Trust. Importantly, the combination of

netting distributions against contributions and the use of low turnover index strategies allows the Customer Credit Trust to achieve significant deferral of gain realization over time. This results in after-tax returns that are higher than what would be expected by simply applying the assumed tax rate to the pre-tax returns.

5. Results

 The objective of this analysis is to determine the expected value of the Customer Credit Trust balance at the end of its 30-year investment horizon. To the extent that the Customer Credit Trust is exhausted before the end of the 30-year period, the analysis tracks the total cumulative shortfall or deficit amount that would not be credited to customers. Importantly, the calculation of a deficit includes the "grossed-up" tax liability that is created by the principal component of any shortfall. 18

The analysis assumes that the portfolio for the Customer Credit Trust employs the 80/20 asset allocation shown in Table 6-6.

TABLE 6-6
ASSET ALLOCATION MIX

No.	Mix	80/20
1	US Equity	56%
2	Non-US Equity	24%
3	Fixed Income	20%
4	Median Projected Geometric Pre-Tax Return	6.93%
5	Median Projected Geometric After-Tax Return	5.91%
6	Median Projected Standard Deviation	14.16%

Out of the 2,000 trials, the median case—i.e. the one that has as many outcomes that are better and worse—results in a median after-tax geometric return of 5.91 percent and a surplus balance in the Customer Credit Trust after 30 years of approximately \$3.276 billion. The median case, however, does not equate to the expected value of the potential investment. To

During a period in which the Customer Credit is less than the FRC, any portion of the FRC that exceeds the Customer Credit and is in excess of tax deductions related to interest payments on the securitized Bonds (i.e., principal) is taxable income. Thus it is assumed that customers will reimburse PG&E for any computed tax liability created by the principal component of shortfalls. The grossed-up tax rate used on the principal component of shortfalls in the analysis was 38.9 percent.

determine the expected value, each of the 2,000 cases is summed, positive and negative, on a risk-weighted or probability-adjusted basis. 19

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Table 6-7 shows the range of simulation results of the balance of the Customer Credit Trust in nominal and NPV terms at the end of its projected 30-year life. The NPV column is calculated using PG&E's proposed, postemergence, authorized return on rate base of 7.34 percent as the discount rate.

TABLE 6-7
RANGE OF SURPLUS OUTCOMES AND YEAR OF FIRST SHORTFALL
(MILLIONS OF DOLLARS)

Range of Surplus (Deficit) Including Principal Tax Gross-Up

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Line No.	Percentiles	Nominal Surplus (Deficit)	NPV Surplus (Deficit)	First Shortfall Year
		# 40,000	#0.000	NIA.
1	5%	\$16,639	\$2,023	NA
2	10%	\$12,642	\$1,537	NA
3	15%	\$9,874	\$1,200	NA
4 5	20% 25%	\$8,176 \$7,005	\$994 \$852	NA NA
6	30%	\$6,034	\$734	NA NA
7	35%	\$5,180	\$734 \$630	NA NA
8	40%	\$4,468	\$543	NA
9	45%	\$3,860	\$469	NA
10	50%	\$3,276	\$398	NA
11	55%	\$2,785	\$339	NA
12	60%	\$2,292	\$279	NA
13	65%	\$1,809	\$220	NA
14	70%	\$1,372	\$167	NA
15	75%	\$914	\$111	NA
16	80%	\$421	\$51	NA
17	85%	(\$106)	(\$13)	2050
18	90%	(\$851)	(\$109)	2049
19	95%	(\$1,928)	(\$265)	2047
20	Expected Value (EV):	\$4,414	\$535	
21	EV Positive Outcomes:	\$4,566	\$555	
22	EV Negative Outcomes:	(\$152)	(\$20)	
23	Breakeven Pre-Tax Return:	4.04%	4.04%	
24	Probability of Surplus:	84%	84%	

¹⁹ This calculation equally weights all of the outcomes from 95th percentile (best case) to 5th percentile (worst-case) to come up with a weighted-average value or expected value for the Customer Credit Trust.

As Table 6-7 illustrates, the majority of the outcomes (84 percent of the simulations) result in a surplus for the Customer Credit Trust at the end of 30 years. The median surplus is projected to have a nominal value of \$3.276 billion and a NPV of \$398 million. In the shortfall cases, the last column shows that they only occur in the last few years of the life of the Customer Credit Trust. For example, the earliest instance of a shortfall in the 95th percentile worst-case simulation was in the year 2047. The expected value, shown in the first line below the table, is the most likely value of the investment given the range of potential outcomes. The Customer Credit Trust has an expected value of \$4.414 billion in nominal terms with a NPV of \$535 million.

Overall, the high expected value for the Customer Credit Trust indicates that it is reasonable to expect the Customer Credit Trust to fully reimburse customers for the FRCs over the course of its 30-year investment horizon, and to end up with a positive balance. This high expected value of the Customer Credit Trust exists because there is a substantially greater probability of a surplus than of a deficit, and the surplus outcomes are larger in absolute value terms.

6. Historical Context

 It is often helpful to put the projected return outcomes from a Monte Carlo simulation model into historical context. This comparison allows decision makers to do a "reality check" to ensure that the output from the model is reasonable from an historical perspective. To provide that perspective here, Table 6-8 shows the range of 30-year annualized returns for an investor employing a simple 80/20 U.S. stock/U.S. bond mix over all of the 30-year periods since January 1, 1926 (and up to March 31, 2020).²⁰ These ranges are compared to the range of outcomes from the simulation model used in this analysis (shown in the last column of the table). The underlying historical data for the stock and bond indices was compiled by Ibbotson Associates, and is released annually in "Stocks, Bonds, Bills, and

March 31, 2020 was used as an endpoint in order to account for the equity market losses associated with the COVID-19 pandemic. The annualized return for the 80/20 mix over the period ended March 31, 2020 was 8.81 percent.

Inflation Yearbook," a resource that has been used by the virtually the entire investment industry for over 30 years.

TABLE 6-8
COMPARISON OF HISTORICAL AND SIMULATED RETURNS

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Historical versus Simulated Pre-Tax Returns (80/20 Mix)
(Historical Period 01/01/1926–03/31/2020)

Line No	Percentiles	Historical 30-Year Annualized Return	Simulated 30-Year Annualized Return
1	5%	12.28%	11.63%
2	10%	11.95%	10.56%
3	15%	11.65%	9.79%
4	20%	11.35%	9.21%
5	25%	11.04%	8.71%
6	30%	10.79%	8.35%
7	35%	10.71%	8.01%
8	40%	10.53%	7.60%
9	45%	10.33%	7.28%
10	50%	10.17%	6.93%
11	55%	10.00%	6.54%
12	60%	9.88%	6.17%
13	65%	9.77%	5.76%
14	70%	9.64%	5.42%
15	75%	9.51%	5.03%
16	80%	9.39%	4.54%
17	85%	9.20%	3.91%
18	90%	8.97%	3.00%
19	95%	8.57%	1.82%

Perhaps the most striking thing about the historical data is that there has never been a 30-year period since 1926 where an 80/20 stock/bond portfolio has delivered an annualized return below 7.49 percent.²¹ The 95th percentile worst-case period had a return of over 8.57 percent. Significantly, the annualized return in every 30-year period is well above the break-even pre-tax return of 4.04 percent²² needed to assure a positive balance in the Customer Credit Trust after 30-years. Included in these historical 30-year periods are the Great Depression, World War II, the Asian Flu pandemic of

The absolute minimum observed historical 30-year return of 7.49 percent was the period ended September 30, 1959 which started with the Great Depression, included World War II, and ended with the Asian Flu pandemic.

This corresponds to an average after-tax return of 2.79 percent assuming a constant return rate.

1957-58, the oil crisis of the 1970's, the dot.com bubble of the late 1990's, the Global Financial Crisis in 2008, and the latest COVID-19 crisis. The last 30-year period in the dataset (ending March 31, 2020) includes three financial collapses (dot.com, GFC, and COVID-19), and still has a relatively healthy annualized return of 8.8 percent, again well above the 4.04 percent threshold needed for the Customer Credit Trust to have a surplus.

As a final check on the robustness of the Customer Credit Trust, I built a model of the Customer Credit Trust that employed actual observed historical returns rather than future simulated returns. I then added all of the 30-year periods since 1926 (the distribution shown in Table 6-9) into the model and tracked the behavior of the cash flows from the Customer Credit Trust in response to each one.23 In this way the model was able to test how the Customer Credit Trust investments performed with the volatility associated with each of these periods. Table 6-9 shows the distribution of outcomes for the ending nominal surplus of the Customer Credit Trust.

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²³ Each 30-year period contained the 30 individual annual returns experienced by the assumed 80/20 stock bond portfolio during that period. This allowed the model to capture the year-to-year volatility of each period. The periods were rolled forward on a quarterly basis such that the dataset includes 256 different 30-year periods starting at the beginning of every quarter since January 1, 1926. The last 30-year period in the dataset started on April 1, 1990 and ended on March 31, 2020.

TABLE 6-9
RANGE OF SURPLUS USING HISTORICAL RETURNS
(MILLIONS OF DOLLARS)

Line		
No.	Percentile	Surplus
1	5%	\$21,141
2	10%	\$17,920
3	15%	\$16,396
4	20%	\$15,015
5	25%	\$14,245
6	30%	\$13,484
7	35%	\$12,564
8	40%	\$11,807
9	45%	\$10,932
10	50%	\$10,650
11	55%	\$10,243
12	60%	\$8,607
13	65%	\$7,456
14	70%	\$7,073
15	75%	\$6,675
16	80%	\$6,238
17	85%	\$5,918
18	90%	\$5,385
19	95%	\$4,683

As the table indicates, the Customer Credit Trust would have fully reimbursed customers and generated a surplus in over 95 percent of the observed 30-year periods since 1926 assuming an asset allocation of 80 percent stocks and 20 percent bonds. The 95th percentile worst-case nominal surplus across the dataset was \$4.68 billion, and the median nominal surplus was \$10.65 billion.

The returns used in the Monte Carlo simulation model for this exercise were substantially more conservative than those realized over the last 95 years. The median simulated 30-year return for the 80/20 mix used in the analysis was 6.93 percent, roughly 3.25 percent lower than the median return for an 80/20 portfolio observed historically. There are a number of reasons the forward-looking analysis performed in this work uses more conservative assumptions than historical data would, by itself, dictate. Some of these include: the potential impact of technology, regulation, and the democratization of the capital markets on the equity risk premium; potentially lower projected growth rates for population, GDP, inflation, and productivity; and a potentially lower interest rate environment due to increased intervention by central banking authorities.

Additionally, due to the inherent uncertainty in making long-term predictive estimates of asset returns, institutional investors and similarly situated entities (e.g., NDTs) generally try to err on the side of conservatism.

7. Effect of COVID-19 On Underlying Analytical Assumptions

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Callan does not need to change its long-term capital market assumptions in response to short-term events affecting the markets. The assumptions are designed to describe a complete range of potential outcomes over the long term and thus explicitly include periods of extreme economic and market dislocation. While the COVID-19 pandemic has had both short- and intermediate-term impacts on the markets and the global economy, these impacts are well within the range of outcomes contemplated by Callan's long-term assumptions.

The results of the analyses I performed in connection with this testimony bear out the fact that the COVID-19 pandemic is well within the expected range of outcomes. The assumptions used in the Monte Carlo modelling exercise for the Customer Credit Trust resulted in a wide range of investment outcomes for the 80/20 (stock/bond) portfolio assumed in the analysis. The 95th percentile (1 in 20) worst-case simulated outcome for the portfolio over the 30-year period resulted in an annualized pre-tax return of 1.80 percent. A secondary analysis (included in the testimony) examined the actual historical performance of an 80/20 portfolio over all of the 30-year periods since 1926. Those historical 30-year periods included: The Great Depression: World War II: The Korean War: The Vietnam War: The Asian Flu Crisis of 1957, The Oil Crisis in the 1970's, the bursting of the dot.com Bubble in 2000, The Global Financial Crisis in 2008, and the COVID-19 outbreak in the first quarter of 2020. In spite of all of these crises, the absolute worst-case observed annualized 30-year return for an 80/20 portfolio over all of the 30-year periods since 1926 was 7.49 percent.

The secondary historical analysis included in the testimony was designed to show that the assumptions used in the simulation analysis were conservative relative to history. It also serves to reinforce the point that a 30-year planning horizon is insensitive to short-term market dislocations (which seem extreme in the moment) that tend to be offset by periods of relative calm and prosperity. In order to generate an annualized return of

1.80 percent (with a probability of 5 percent), the assumptions used in the analysis had to include scenarios that were significantly worse than anything that we have observed over the last 95 years. Thus we are comfortable that they reasonably describe the full range of potential risks facing the Customer Credit Trust over the coming 30 years.

In conclusion, the short-term market dislocation and the longer-term economic disruption being caused by the COVID-19 pandemic are both well within the range of outcomes described by Callan's long-term capital market assumptions. We do not plan on changing those assumptions for this exercise or any of the other long-term strategic planning exercises that are underway for the large financial institutions that represent Callan's client base.

8. Conclusion

Based on the assumed asset allocation and the results of the simulation analysis described above, the expected value of the Customer Credit Trust at the end of 30 years is substantially positive, and the probability of a surplus is over five times higher than the probability of a deficit. This means that it is reasonable to expect that, based on the distribution of potential outcomes, the Customer Credit Trust will fully reimburse customers for the FRCs over the course of the 30-year investment horizon, and will end with a positive balance.

PACIFIC GAS AND ELECTRIC COMPANY CHAPTER 6 EXHIBIT 6.1 TERM SHEET FOR CUSTOMER CREDIT TRUST

SUMMARY OF TERMS

OF

CUSTOMER CREDIT TRUST¹

Trust Formation: PG&E (the <u>Company</u>) will form a grantor trust (the <u>Trust</u>) pursuant to a trust

agreement (the <u>Trust Agreement</u>).

Purpose: The exclusive purpose of the Trust will be to hold and invest its assets in

order to distribute funds to the Company for purposes of reimbursing it for the Customer Credit (as defined and described in Chapter 6, Customer Credit

Mechanism and Investment Returns (D. Thomason; G. Allen)).

Management: The Trust will be managed by a committee (the Committee) of five (5)

members nominated by management of the Company and confirmed by its Board of Directors, of which no more than two (2) shall be employees, officers, or directors of the Company, or otherwise be agents of the Company in any capacity except as members of the Committee. The three (3) members who are not affiliated with the Company also shall be

confirmed by the CPUC.²

The unaffiliated members of the Committee shall be entitled to reasonable compensation from the Trust for their services, which compensation shall be

subject to the approval of the CPUC (Committee Compensation).

The Committee may retain the services of such advisors and counsel as it deems necessary to carry out its responsibilities, the reasonable fees and/or compensation of which shall be regarded as appropriate Trust administration

expenses (Advisor Fees).

Committee Action and Quorum:

Each member of the Committee shall have one (1) vote, and, other than as set forth below, any action by the Committee shall be by majority decision. At least four (4) members must be present to constitute a quorum necessary

for the Committee to act.

Notwithstanding the foregoing, any amendment of a Fundamental Provision (see "Amendments" below) will require both (1) the super-majority approval of at least four (4) members of the Committee, which super-majority must include the approval of all three (3) unaffiliated members of the Committee and (2) CPUC approval (see "CPUC Approval" below) (the

Fundamental Approval).

¹ Capitalized terms used but not defined herein shall have the meanings assigned to such terms in Chapter 6, Customer Credit Mechanism and Investment Returns (D. Thomason; G. Allen).

² Any unaffiliated Committee member nominated by the Company who currently serves on the management committee of any of the Company's nuclear decommissioning trusts shall be deemed approved by the CPUC.

Trustee:

A reputable institutional trustee will be named as trustee of the trust (the <u>Trustee</u>), which will act in accordance with the directions provided by the Committee in accordance with the terms of the Trust Agreement. The Trustee will act as a fiduciary of the Trust and the beneficiaries thereof and shall be authorized to, *e.g.*:

- 1. Pay fees and expenses of the Trust (see "Fees" below);
- 2. Renew or extend any obligation payable to or by the Trust and to settle claims or demands in favor of or against the Trust;
- 3. Hold securities and other Trust property;
- 4. Sell Trust investments to make permitted distributions (see "Interim Distributions" below) or pay fees (see "Fees" below); and
- 5. Orderly liquidate the Trust upon its termination (see "Termination" below) and make distributions to the Company therefrom (see "Distribution upon Termination" below).

The Committee shall have the right to remove Trustee and name a successor trustee following any such removal or the resignation of the Trustee.

The Trustee shall be entitled to compensation from the Trust (Trustee Fees).

Sources of Funding:

The corpus of the Trust shall be established by the Initial Shareholder Contribution and will be supplemented, from time to time, by the Additional Shareholder Contributions, and Customer Credit Trust Returns.

The Company shall have the right to substitute non-Trust assets for Trust assets at any time, so long as the substituted property has equivalent value to the Trust assets being replaced (and the Company shall submit information regarding the assets' relative values the CPUC for its concurrence as to the assets' equivalent value).

Investment:

The Trust corpus shall be invested in accordance with the investment policies and procedures developed by the Committee, which policies and procedures shall be subject to CPUC approval (see "CPUC Approval" below).

The Committee may appoint one or more investment managers to direct the investment of all or part of the Trust corpus.

Interim Distributions:

The Trust will make distributions to the Company as follows:

1. Periodic distributions in an amount equal to the Customer Credits for the applicable period;

- 2. Distributions from time to time to fund a make-whole for any shortfall in Customer Credits intended to be granted in a prior period, but instead granted in the applicable period; and
- 3. Quarterly distributions in an amount equal to the estimated taxes in respect of taxable income generated by the Trust assets relating to that quarter, calculated using the highest combined federal and California state tax rate applicable to "sub-chapter C" corporations.

Additionally, the Trustee will be permitted to receive distributions from the Trust from time to time in order to pay the fees and expenses of the Trust (see "Fees" below).

Fees:

The Trust assets shall be used to pay all ordinary and necessary expenses and other incidental costs incurred by the Trustee in connection with the Trust including, without limitation, Committee Compensation, Advisor Fees, and Trustee Fees.

Reporting:

The Trustee shall provide the CPUC with an annual report setting forth (1) the balance of the Trust's account(s) holding the Trust assets; (2) the Trust's distributions to the Company for the prior twelve (12) month period in respect of the Customer Credits; and (3) an itemized accounting of the Trust's administration expenses and the basis therefor.

Amendments:

The Committee shall be able to amend with majority approval any provision of the Trust Agreement, other than Fundamental Provisions. Amendment of any Fundamental Provision shall require Fundamental Approval. The Committee shall file a proposed amendment of any Fundamental Provision with the CPUC for its approval within thirty (30) days after such filing.

No amendment of the Trust Agreement that affects the specific rights, duties, responsibilities, or liabilities of the Trustee shall be made without the Trustee's consent.

<u>Fundamental Provisions</u> shall mean such provisions of the Trust Agreement that set forth: the purpose of the Trust; Committee size and composition; Committee action by majority decision; interim distributions; amendments of the Trust Agreement (including the definition of "Fundamental Provisions"); termination of the Trust; customer allocation of distributions upon termination of the Trust; and transferability of the Company's residual interest in the Trust.

CPUC Approval:

For items or actions requiring CPUC approval or concurrence, such approval or concurrence would be solicited as follows:

1. The Financing Order will seek CPUC (a) confirmation of the initial unaffiliated members of the Committee;³ (b) approval of the amount

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³ See footnote 2.

of Committee Compensation and (c) approval of the initial investment policies and procedures.

- 2. CPUC approval to be provided through a Tier 2 advice letter process for:
 - a. Confirmation of nominees to replace any unaffiliated member;
 - b. Approval of any increases to the Committee Compensation;
 - c. Concurrence regarding the equivalent value of any non-Trust assets proposed to be substituted for Trust assets;
 - d. Approval of any proposed amendment of a Fundamental Provision; and
 - e. Approval of any material amendment of the investment policies and procedures;
 - f. Approval of any termination of the Trust prior to the occurrence of the Termination Triggers (see "Termination" below).

Termination:

The Trust will be terminated and its assets orderly liquidated and distributed at such time as the securitization bonds are repaid in full and the FRCs cease (the <u>Termination Triggers</u>). Any earlier termination shall be subject to CPUC approval.

Distribution upon Termination:

Upon the termination of the Trust, its assets, if any, remaining after payment of expenses, including computed taxes, will be orderly liquidated, and the proceeds thereof distributed to the Company, twenty-five percent (25%) of which proceeds will be shared by the Company with its customers. The Company shall retain the right to designate other beneficiaries, so long as the customer share is not reduced by any such designation.

Non-transferrable Interest:

The Trust Agreement shall provide that (1) the residual interest of the Company in the Trust is not transferable by the Company, whether voluntarily or involuntarily, nor subject to the claims of creditors of the Company and (2) the assets of the Trust are not subject to the claims of creditors of the Company.

No Authority to Conduct Business:

The purpose of the Trust shall be limited to the matters set forth as the "Purpose" above, specifically, and there is no objective to carry on any business unrelated to the Trust purpose or divide the gains therefrom. The Trust is not intended to be a business trust.

Tax Treatment:

It is expected that the Trust will be (1) considered a grantor trust, and (2) an entity disregarded as separate from the Company, in each case, for income and franchise tax purposes.

Contributions to, and distributions from, the Trust are expected to be non-taxable events to the Trust. Distributions by the Trust to the Company are not expected to be taxable to the Company. Contributions by the Company to the Trust are not expected to be deductible by the Company.

Gains and income from investments are generally expected to be taxable to the Company.

Resolution of Disagreements:

If any disagreement arises between the Company, the Committee, and/or the CPUC staff regarding the Trust, the disagreement shall be submitted to the CPUC for resolution by issuance of a CPUC order after notice and an opportunity to be heard, as provided in the California Public Utilities Code, has been given to the Company, the Committee, the CPUC staff, the Trustee, and any other interested parties.