

Application: 18-12-_____
(U 39 E)
Exhibit No.: _____
Date: December 13, 2018
Witness(es): Ted Huntley
Elizabeth Chan

PACIFIC GAS AND ELECTRIC COMPANY

2018 NUCLEAR DECOMMISSIONING COST TRIENNIAL PROCEEDING

PREPARED TESTIMONY

WORKPAPERS SUPPORTING CHAPTERS 10 AND 11



PACIFIC GAS AND ELECTRIC COMPANY
2018 NUCLEAR DECOMMISSIONING COST TRIENNIAL PROCEEDING

WORKPAPERS

TABLE OF CONTENTS

Chapter	Title	Witness
10	CONTRIBUTIONS FUNDING THE NUCLEAR DECOMMISSIONING TRUST	Ted Huntley
11	TRUST CONTRIBUTION AND PLANNING ACTIVITIES REVENUE REQUIREMENTS	Elizabeth Chan

PACIFIC GAS AND ELECTRIC COMPANY
2018 NUCLEAR DECOMMISSIONING COST TRIENNIAL PROCEEDING

WORKPAPERS SUPPORTING
CHAPTER 10, CONTRIBUTIONS FUNDING THE NUCLEAR DECOMMISSIONING
TRUST

TABLE OF CONTENTS

Subject	Page No.
Chapter 10	
Diablo Canyon Power Plant Decommissioning Cost, Contribution and Trust Fund Summary	WP 10-1
Diablo Canyon Power Plant Unit 1 and 2: Model Inputs	WP 10-2
Diablo Canyon Power Plant Unit 1 and 2: Escalation Rates from Base Year, 2017	WP 10-3
Diablo Canyon Power Plant Unit 1 Cost Study	WP 10-5
Diablo Canyon Power Plant Unit 1 Contribution Calculation Qualified Trust	WP 10-6
Diablo Canyon Unit 1 Cash Flow	WP 10-8
Diablo Canyon Power Plant Unit 2 Cost Study	WP 10-9
Diablo Canyon Power Plant Unit 2 Contribution Calculation Qualified Trust	WP 10-10
Diablo Canyon Unit 2 Cash Flow	WP 10-12
Nuclear Decommissioning: Humbolt Bay Unit 3	WP 10-13
Nuclear Decommissioning: Humbolt Bay Unit 3 – Costs	WP 10-14
Humbolt Bay Power Plant Unit 3: Escalation Rates from Base Year, 2018	WP 10-15
Humbolt Bay Power Plant Unit 3: Calculation of Contributions	WP 10-17
Humbolt Bay Power Plant Unit 3 Cash Flow	WP 10-18
Diablo Canyon Power Plant Unit 1 and 2: EROA Summary	WP 10-19
Diablo Canyon Power Plant Unit 1 and 2: Fixed Income EROA	WP 10-20
Diablo Canyon Power Plant Unit 1 and 2: Portfolio Turnover	WP 10-21
Diablo Canyon Power Plant Unit 1 and 2: Fees	WP 10-22
Diablo Canyon Power Plant Unit 1 and 2: Dividend Yield	WP 10-23
Humbolt Bay Power Plant Unit 3: EROA Summary	WP 10-24
Humbolt Bay Power Plant Unit 3: Fixed Income EROA	WP 10-25
Humbolt Bay Power Plant Unit 3: Portfolio Turnover	WP 10-26
Humbolt Bay Power Plant Unit 3: Fees	WP 10-27
Humbolt Bay Power Plant Unit 3: Dividend Yield	WP 10-28

**Pacific Gas & Electric Company
Nuclear Decommissioning
Diablo Canyon Power Plant Decommissioning Cost, Contribution and Trust Fund Summary**

Line No. 1
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	2015 NDCTP (Decision)				2018 NDCTP			
	Unit 1	Unit 2	Total	%	Unit 1	Unit 2	Total	%
Contribution Calculation								
Contribution Periods								
Annual Contribution (\$M)	-	-	-		2020 - 2024	2020 - 2025		
Total Contribution (\$M)	-	-	-		226.715	151.141	377.856	
	-	-	-		1,133.576	906.845	2,040.421	
Nuclear Decom Trust (\$M)								
	<u>As of 12/31/2015</u>				<u>As of 12/31/2017</u>			
CPUC-Qualified	1,120.2	1,465.9	2,586.0		1,365.9	1,787.0	3,152.9	
CPUC Non-Qualified	-	-	-		-	-	-	
FERC-Qualified	6.6	8.4	15.0		8.4	10.7	19.1	
Market Value	1,126.739	1,474.283	2,601.022		1,374.308	1,797.696	3,172.004	
EROA Assumptions (%)								
			EROA (%)	Wtd			EROA (%)	Wtd
Equity Return (Pre-tax & fee)			7.7%				8.06%	
Equity Fees			0.1%				0.1%	
Turnover Rate			11.2%				10.6%	
Dividend Rate			2.3%				2.2%	
Equity Tax Rate			27.1%				27.1%	
Equity Return (After-tax & fee)			6.84%	4.1%			7.24%	4.3%
Fixed Income Return (Pre-tax & fee)			3.6%				3.9%	
Fixed Income Fees			0.1%				0.1%	
Fixed Income Tax Rate			20.7%				20.7%	
Fixed Income Return (After-tax & fee)			2.8%	1.1%			3.0%	1.2%
60/40 Portfolio WA Return (Pre-tax&fee)			5.5%				5.8%	
60/40 Portfolio WA Return (Post-tax&fee)			5.2%				5.5%	
Cost of Decommissioning (\$M)								
			<u>\$2014</u>				<u>\$2017 [2]</u>	
PG&E Labor	338.4	343.8	682.270	27%	675.6	668.3	1,343.897	29%
Materials	144.6	196.5	341.158	13%	167.6	369.7	537.301	12%
Contractors	300.3	371.6	671.893	26%	406.4	570.3	976.661	21%
Burial	173.7	152.6	326.312	13%	443.5	451.5	894.998	19%
Other	279.6	267.8	547.341	21%	489.1	409.2	898.292	19%
Total	1,236.684	1,332.290	2,568.974	100%	2,182.2	2,468.9	4,651.149	100%
Nominal Future Cost of Decommissioning (\$M)								
			<u>NOMINAL</u>				<u>NOMINAL</u>	
PG&E Labor	569.1	589.9	1,159.049		1,256.4	1,247.3	2,503.744	
Materials	200.5	285.9	486.410		209.2	485.2	694.342	
Contractors	484.2	651.9	1,136.059		697.6	1,082.7	1,780.256	
Burial	431.2	400.1	831.312		1,835.8	1,864.5	3,700.319	
Other	475.9	463.6	939.535		731.3	659.8	1,391.093	
Total	2,161.0	2,391.4	4,552.365		4,730.2	5,339.5	10,069.754	
			177%				217%	
Decommissioning Cost Escalation Factors								
			<u>Simple Average</u>				<u>Simple Average</u>	
PG&E Labor			2.92%				3.30%	
Materials			1.96%				1.44%	
Contractors			3.10%				3.09%	
Burial			6.64%				6.70%	
Other			2.19%				2.21%	

Notes:

- [1] The Units 1 and 2 operating licenses expire at midnight, November 2, 2024 and August 26, 2025, respectively
- [2] Cost Estimate shown on table includes \$37.2M decommissioning planning activity costs to be withdrawn from the trust in 2019.

Pacific Gas & Electric Company
2018 NDCTP DCP Unit 1 and 2
Model Inputs

Line
No.

Contribution Summary (Inputs In Blue)				
Model Start Year		2018		
Contribution Start Year		2020		
Extension unit 1 (years)		0		
Extension unit 2 (years)		0		
	License	Contribution	Contribution (\$M)	Contribution (\$M)
	Exp Date [1]	Periods (Yr)	Annual	Total
DCPP Unit 1	11/2/24	2020 - 2024	\$226.72	\$1,133.58
DCPP Unit 2	8/26/25	2020 - 2025	\$151.14	\$906.84
Total			\$377.86	\$2,040.42

Inputs Expected Return on Assets (2018) (Inputs In Blue)	
Dividend yield	2.15%
Equity	8.06%
Equity Fee	0.10%
After Fee	7.96%
Fixed Income	3.90%
Fixed Income Fee	0.10%
After Fee	3.80%
Equity Turnover %	10.56%
Current Asset Allocation	
Equity	60.00%
Fixed Income	40.00%
Cap Gain Tax Rate	27.072%
Fixed Income Tax Rate	20.7%

Inputs Asset Values (2018) (In Blue)					
\$MM	TRUST MARKET VALUES as of 12/31/2017				
	<u>CPUC/FERC</u>	<u>cash</u>	<u>Total</u>		
Unit 1	1,374.308	-	1,374.308		
Unit 2	1,797.696	-	1,797.696		
total	3,172.004	-	3,172.004		
	TAX COST BASIS			Cost/Market Ratio	
	<u>CPUC/FERC</u>	<u>cash</u>	<u>Total</u>		
Unit 1	723.328	-	723.328		53%
Unit 2	963.864	-	963.864		54%
total	1,687.192	-	1,687.192		53%
	EQUITY	FIXED INCOME	CASH	TOTAL	COST/EQUITY [2]
Unit 1	861.26	512.75	0.294	1,374.308	24%
Unit 2	1,123.52	673.84	0.344	1,797.696	26%

Notes:

[1] The Units 1 and 2 operating licenses expire at midnight, November 2, 2024 and August 26, 2025, respectively.

[2] Equity Value*(1- Cost/Equity Ratio) = Trust MV*(1-Cost/MV Ratio). Solve for Cost/Equity Ratio.

Pacific Gas and Electric Company
2018 NDCTP DCPP Unit 1 & Unit 2
Escalation Rates from Base Year, 2017

Line No.	Year	PG&E Labor	Materials& Equipment	Contract Labor	Burial Costs	Other
1	2017	1.0000	1.0000	1.0000	1.0000	1.0000
2	2018	1.0330	1.0156	1.0298	1.0670	1.0196
3	2019	1.0671	1.0339	1.0639	1.1384	1.0440
4	2020	1.1023	1.0531	1.1003	1.2146	1.0718
5	2021	1.1387	1.0691	1.1385	1.2959	1.0991
6	2022	1.1763	1.0841	1.1776	1.3827	1.1259
7	2023	1.2151	1.1000	1.2175	1.4753	1.1521
8	2024	1.2552	1.1163	1.2586	1.5741	1.1776
9	2025	1.2966	1.1325	1.3007	1.6795	1.2026
10	2026	1.3394	1.1484	1.3436	1.7919	1.2279
11	2027	1.3836	1.1646	1.3859	1.9119	1.2534
12	2028	1.4292	1.1809	1.4291	2.0399	1.2792
13	2029	1.4764	1.1969	1.4730	2.1765	1.3053
14	2030	1.5251	1.2126	1.5172	2.3223	1.3316
15	2031	1.5754	1.2277	1.5627	2.4777	1.3580
16	2032	1.6274	1.2430	1.6097	2.6436	1.3851
17	2033	1.6811	1.2589	1.6582	2.8207	1.4131
18	2034	1.7366	1.2749	1.7081	3.0095	1.4415
19	2035	1.7939	1.2910	1.7595	3.2110	1.4708
20	2036	1.8531	1.3074	1.8126	3.4260	1.5008
21	2037	1.9143	1.3243	1.8669	3.6554	1.5317
22	2038	1.9775	1.3415	1.9225	3.9002	1.5633
23	2039	2.0427	1.3591	1.9798	4.1613	1.5958
24	2040	2.1101	1.3771	2.0390	4.4400	1.6294
25	2041	2.1798	1.3959	2.1003	4.7372	1.6642
26	2042	2.2517	1.4151	2.1635	5.0544	1.7000
27	2043	2.3260	1.4349	2.2291	5.3929	1.7370
28	2044	2.4028	1.4554	2.2972	5.7539	1.7754
29	2045	2.4820	1.4765	2.3674	6.1392	1.8150
30	2046	2.5639	1.4980	2.4398	6.5503	1.8558
31	2047	2.6486	1.5200	2.5144	6.9889	1.8979
32	2048	2.7360	1.5427	2.5918	7.4568	1.9415
33	2049	2.8262	1.5655	2.6712	7.9561	1.9856
34	2050	2.9195	1.5885	2.7530	8.4888	2.0307
35	2051	3.0159	1.6119	2.8374	9.0572	2.0769
36	2052	3.1154	1.6357	2.9243	9.6636	2.1240
37	2053	3.2182	1.6598	3.0140	10.3107	2.1723
38	2054	3.3244	1.6842	3.1063	11.0011	2.2216
39	2055	3.4341	1.7090	3.2015	11.7377	2.2721
40	2056	3.5474	1.7342	3.2996	12.5236	2.3237
41	2057	3.6645	1.7598	3.4007	13.3621	2.3765
42	2058	3.7854	1.7857	3.5049	14.2568	2.4305
43	2059	3.9103	1.8120	3.6123	15.2114	2.4857
44	2060	4.0394	1.8387	3.7230	16.2299	2.5421
45	2061	4.1727	1.8658	3.8371	17.3166	2.5999
46	2062	4.3104	1.8933	3.9547	18.4761	2.6589
47	2063	4.4526	1.9212	4.0759	19.7132	2.7193
48	2064	4.5995	1.9495	4.2008	21.0331	2.7811
49	2065	4.7513	1.9782	4.3295	22.4414	2.8442
50	2066	4.9081	2.0073	4.4622	23.9440	2.9088
51	2067	5.0701	2.0369	4.5989	25.5472	2.9749
52	2068	5.2374	2.0669	4.7399	27.2578	3.0425
53	2069	5.4102	2.0974	4.8851	29.0829	3.1116
54	2070	5.5888	2.1283	5.0348	31.0302	3.1822
55	2071	5.7732	2.1596	5.1891	33.1079	3.2545
56	2072	5.9637	2.1915	5.3481	35.3247	3.3284
57	2073	6.1605	2.2237	5.5120	37.6899	3.4040
58	2074	6.3638	2.2565	5.6809	40.2135	3.4814
59	2075	6.5738	2.2897	5.8550	42.9061	3.5604
60	2076	6.7908	2.3235	6.0344	45.7789	3.6413
61	2077	7.0149	2.3577	6.2193	48.8441	3.7240
Average		3.30%	1.44%	3.09%	6.70%	2.21%

Line No.	Year	PG&E Labor	Materials& Equipment [1]	Contract Labor	Burial Costs	Other
1	2017					
2	2018	0.0330	0.0156	0.0298	0.0670	0.0196
3	2019	0.0330	0.0179	0.0331	0.0670	0.0239
4	2020	0.0330	0.0186	0.0342	0.0670	0.0267
5	2021	0.0330	0.0152	0.0347	0.0670	0.0255
6	2022	0.0330	0.0140	0.0343	0.0670	0.0243
7	2023	0.0330	0.0147	0.0339	0.0670	0.0233
8	2024	0.0330	0.0148	0.0337	0.0670	0.0221
9	2025	0.0330	0.0145	0.0335	0.0670	0.0213
10	2026	0.0330	0.0141	0.0330	0.0670	0.0210
11	2027	0.0330	0.0141	0.0315	0.0670	0.0207
12	2028	0.0330	0.0140	0.0312	0.0670	0.0206
13	2029	0.0330	0.0136	0.0307	0.0670	0.0204
14	2030	0.0330	0.0131	0.0300	0.0670	0.0201
15	2031	0.0330	0.0125	0.0300	0.0670	0.0198
16	2032	0.0330	0.0124	0.0301	0.0670	0.0199
17	2033	0.0330	0.0128	0.0301	0.0670	0.0202
18	2034	0.0330	0.0127	0.0301	0.0670	0.0201
19	2035	0.0330	0.0126	0.0301	0.0670	0.0203
20	2036	0.0330	0.0128	0.0301	0.0670	0.0204
21	2037	0.0330	0.0129	0.0300	0.0670	0.0205
22	2038	0.0330	0.0130	0.0298	0.0670	0.0207
23	2039	0.0330	0.0131	0.0298	0.0670	0.0208
24	2040	0.0330	0.0133	0.0299	0.0670	0.0210
25	2041	0.0330	0.0136	0.0300	0.0670	0.0214
26	2042	0.0330	0.0138	0.0301	0.0670	0.0215
27	2043	0.0330	0.0140	0.0303	0.0670	0.0218
28	2044	0.0330	0.0143	0.0305	0.0670	0.0221
29	2045	0.0330	0.0145	0.0306	0.0670	0.0223
30	2046	0.0330	0.0146	0.0306	0.0670	0.0225
31	2047	0.0330	0.0147	0.0306	0.0670	0.0226
32	2048	0.0330	0.0150	0.0308	0.0670	0.0230
33	2049	0.0330	0.0147	0.0306	0.0670	0.0227
34	2050	0.0330	0.0147	0.0306	0.0670	0.0227
35	2051	0.0330	0.0147	0.0306	0.0670	0.0227
36	2052	0.0330	0.0147	0.0306	0.0670	0.0227
37	2053	0.0330	0.0147	0.0306	0.0670	0.0227
38	2054	0.0330	0.0147	0.0306	0.0670	0.0227
39	2055	0.0330	0.0147	0.0306	0.0670	0.0227
40	2056	0.0330	0.0147	0.0306	0.0670	0.0227
41	2057	0.0330	0.0147	0.0306	0.0670	0.0227
42	2058	0.0330	0.0147	0.0306	0.0670	0.0227
43	2059	0.0330	0.0147	0.0306	0.0670	0.0227
44	2060	0.0330	0.0147	0.0306	0.0670	0.0227
45	2061	0.0330	0.0147	0.0306	0.0670	0.0227
46	2062	0.0330	0.0147	0.0306	0.0670	0.0227
47	2063	0.0330	0.0147	0.0306	0.0670	0.0227
48	2064	0.0330	0.0147	0.0306	0.0670	0.0227
49	2065	0.0330	0.0147	0.0306	0.0670	0.0227
50	2066	0.0330	0.0147	0.0306	0.0670	0.0227
51	2067	0.0330	0.0147	0.0306	0.0670	0.0227
52	2068	0.0330	0.0147	0.0306	0.0670	0.0227
53	2069	0.0330	0.0147	0.0306	0.0670	0.0227
54	2070	0.0330	0.0147	0.0306	0.0670	0.0227
55	2071	0.0330	0.0147	0.0306	0.0670	0.0227
56	2072	0.0330	0.0147	0.0306	0.0670	0.0227
57	2073	0.0330	0.0147	0.0306	0.0670	0.0227
58	2074	0.0330	0.0147	0.0306	0.0670	0.0227
59	2075	0.0330	0.0147	0.0306	0.0670	0.0227
60	2076	0.0330	0.0147	0.0306	0.0670	0.0227
61	2077	0.0330	0.0147	0.0306	0.0670	0.0227

Notes

[1] Materials: The materials and equipment escalator for DCPD U1&U2 is based on 41% materials weight and 59% heavy equip.

Pacific Gas and Electric Company
2018 NDCTP DCP Unit 1 Cost Study

Line No.

DCPP Unit 1 Cost Study - DECOM \$2017

DCPP Unit 1 Cost Study - DECOM \$Nominal

Year	PG&E Labor	Equipment & Materials	Contractors	Burial	Other	Total
2019	3% NRC Approved Withdrawal					
Total	658,702,757	167,584,939	405,597,528	443,519,192	488,500,670	2,163,905,085
2024	10,480,321	483,574	2,060,523	-	2,172,818	\$15,197,237
2025	87,968,202	8,161,166	27,168,821	-	10,017,604	\$133,315,793
2026	54,974,075	12,723,147	38,351,490	8,772,903	18,945,602	\$133,767,216
2027	47,980,180	13,565,144	35,421,532	12,698,737	14,017,269	\$123,682,862
2028	46,719,439	11,363,934	20,793,496	19,304,059	12,665,615	\$110,846,544
2029	46,591,790	17,097,489	41,109,349	2,740,075	24,998,771	\$132,537,475
2030	46,967,333	25,256,874	43,291,612	2,538,897	106,289,968	\$224,344,684
2031	46,758,046	19,930,119	46,716,416	14,883,864	54,792,899	\$183,081,344
2032	41,268,514	13,568,182	38,046,272	72,448,746	26,283,803	\$191,615,516
2033	21,365,790	14,807,180	24,638,704	97,239,251	25,532,890	\$183,583,815
2034	21,316,891	9,284,085	16,739,160	82,706,258	26,676,359	\$156,722,753
2035	20,681,003	2,974,547	10,546,076	52,765,447	29,746,740	\$116,713,812
2036	13,433,180	2,444,110	8,140,130	17,599,894	29,321,301	\$70,938,615
2037	13,323,917	2,382,187	8,124,462	17,551,807	28,888,958	\$70,271,332
2038	12,494,752	2,396,959	8,049,123	16,493,890	25,774,604	\$65,209,328
2039	4,034,329	330,747	494,818	-	1,078,725	\$5,938,619
2040	4,045,382	331,654	889,901	-	2,306,318	\$7,573,254
2041	4,034,329	330,747	494,754	-	1,078,725	\$5,938,555
2042	4,034,329	330,747	874,088	-	1,196,122	\$6,435,286
2043	4,034,329	330,747	494,754	-	1,078,725	\$5,938,555
2044	4,045,382	331,654	875,444	-	1,199,077	\$6,451,556
2045	4,034,329	330,747	509,190	-	2,185,966	\$7,060,232
2046	4,034,329	330,747	874,088	-	1,196,122	\$6,435,286
2047	4,034,329	330,747	494,754	-	1,078,725	\$5,938,555
2048	4,045,382	331,654	875,444	-	1,199,077	\$6,451,556
2049	4,034,329	330,747	494,754	-	1,078,725	\$5,938,555
2050	4,034,329	368,247	888,524	-	2,303,362	\$7,594,463
2051	4,034,329	330,747	494,754	-	1,078,725	\$5,938,555
2052	4,045,382	331,654	875,444	-	1,199,077	\$6,451,556
2053	4,034,329	330,747	494,754	-	1,078,725	\$5,938,555
2054	4,034,329	330,747	874,088	-	1,196,122	\$6,435,286
2055	4,034,329	330,747	509,190	-	2,185,966	\$7,060,232
2056	4,045,382	331,654	875,444	-	1,199,077	\$6,451,556
2057	4,034,329	330,747	494,754	-	1,078,725	\$5,938,555
2058	4,034,329	330,747	874,088	-	1,196,122	\$6,435,286
2059	4,034,329	330,747	494,754	-	1,078,725	\$5,938,555
2060	4,166,404	331,654	1,701,739	-	2,448,501	\$8,648,299
2061	4,156,018	330,747	2,031,884	-	1,541,594	\$8,060,244
2062	4,156,018	330,747	3,280,627	-	1,755,334	\$9,522,727
2063	4,156,018	338,455	3,296,597	-	1,578,044	\$9,369,113
2064	4,424,074	345,022	1,125,262	-	1,630,969	\$7,525,327
2065	4,823,262	344,080	682,464	-	2,563,285	\$8,413,091
2066	4,823,262	344,080	1,250,628	20,013,602	1,442,590	\$27,874,163
2067	6,783,814	479,019	2,614,998	2,496,782	1,600,469	\$13,975,082
2068	1,096,268	691,128	2,928,425	1,981,137	2,264,249	\$8,961,206
2069	1,093,273	378,839	1,877,765	1,074,776	1,867,705	\$6,292,357
2070	1,093,273	104,624	730,982	209,066	1,421,910	\$3,559,855
2071	86,863	35,529	372,295	-	804,802	\$1,299,489
2072	744,606	29,126	171,311	-	794,691	\$1,739,734
2073	-	24,815	28,806	-	786,031	\$839,652
2074	-	24,815	28,806	-	786,031	\$839,652
2075	-	24,815	28,806	-	786,031	\$839,652
2076	-	1,020	1,184	-	32,303	\$34,506
2077	-	-	-	-	-	-

Year	PG&E Labor	Equipment & Materials	Contractors	Burial	Other	Total
Total	1,239,275,892	209,185,080	696,745,588	1,835,784,812	730,640,775	4,711,632,148
2024	13,154,576	539,807	2,593,348	-	2,558,657	18,846,388
2025	114,058,666	9,242,301	35,338,536	-	12,047,203	170,686,706
2026	73,631,021	14,611,147	51,529,200	15,720,456.97	23,262,977	178,754,802
2027	66,384,255	15,797,547	49,090,953	24,278,915	17,568,675	173,120,346
2028	66,773,041	13,419,386	29,716,255	39,378,961	16,202,365	165,490,009
2029	68,788,091	20,463,735	60,554,310	5,963,826	32,631,843	188,401,805
2030	71,630,846	30,625,702	65,684,167	5,895,958	141,539,863	315,376,535
2031	73,664,943	24,469,118	73,005,355	36,878,388	74,410,158	282,427,961
2032	67,162,005	16,865,417	61,244,529	191,528,752	36,404,625	373,205,328
2033	35,918,989	18,641,328	40,854,729	274,278,385	36,080,017	405,773,448
2034	37,019,396	11,835,998	28,591,481	248,905,919	38,454,798	364,807,591
2035	37,100,297	3,840,051	18,556,151	169,431,185	43,752,930	272,680,615
2036	24,893,442	3,195,503	14,754,462	60,297,687	44,006,768	147,147,862
2037	25,505,765	3,154,653	15,167,271	64,159,254	44,247,798	152,234,742
2038	24,707,818	3,215,494	15,474,441	64,329,094	40,293,915	148,020,762
2039	8,240,971	449,511	979,654	-	1,721,462	11,391,597
2040	8,536,246	456,724	1,814,517	-	3,757,817	14,565,304
2041	8,793,849	461,685	1,039,109	-	1,795,179	12,089,823
2042	9,084,046	468,045	1,891,125	-	2,033,370	13,476,585
2043	9,383,820	474,600	1,102,872	-	1,873,763	12,835,054
2044	9,720,043	482,701	2,011,040	-	2,128,829	14,342,613
2045	10,013,371	488,347	1,205,444	-	3,967,614	15,674,776
2046	10,343,812	495,467	2,132,559	-	2,219,814	15,191,651
2047	10,685,158	502,733	1,244,013	-	2,047,279	14,479,183
2048	11,068,008	511,650	2,268,933	-	2,328,064	16,176,654
2049	11,402,014	517,769	1,321,572	-	2,141,965	15,383,321
2050	11,778,281	584,967	2,446,131	-	4,677,544	19,486,922
2051	12,166,964	533,138	1,403,809	-	2,240,373	16,344,284
2052	12,602,908	542,475	2,560,094	-	2,546,892	18,252,369
2053	12,983,233	548,964	1,491,163	-	2,343,301	17,366,661
2054	13,411,680	557,052	2,715,189	-	2,657,337	19,341,257
2055	13,854,266	565,259	1,630,170	-	4,966,706	21,016,400
2056	14,350,666	575,158	2,888,618	-	2,786,289	20,600,731
2057	14,783,734	582,037	1,682,517	-	2,563,561	19,611,850
2058	15,271,598	590,613	3,063,616	-	2,907,115	21,832,942
2059	15,775,560	599,314	1,787,214	-	2,681,338	20,843,427
2060	16,829,656	609,810	6,335,621	-	6,224,365	29,999,452
2061	17,341,697	617,104	7,796,572	-	4,007,917	29,763,290
2062	17,913,973	626,196	12,973,888	-	4,667,263	36,181,319
2063	18,505,134	650,228	13,436,547	-	4,291,167	36,883,077
2064	20,348,738	672,612	4,726,982	-	4,535,823	30,284,155
2065	22,916,923	680,657	2,954,735	-	7,290,566	33,842,881
2066	23,673,181	690,685	5,580,535	479,205,817	4,196,248	513,346,466
2067	34,394,578	975,720	12,026,176	63,785,857	4,761,232	115,943,563
2068	5,741,602	1,428,508	13,880,296	54,001,416	6,888,904	81,940,726
2069	5,914,870	794,568	9,173,066	31,257,584	5,811,499	52,951,587
2070	6,110,060	222,670	3,680,345	6,487,357	4,524,869	21,025,301
2071	501,477	76,729	1,931,869	-	2,619,249	5,129,325
2072	4,440,625	63,828	916,190	-	2,645,086	8,065,728
2073	-	55,183	158,776	-	2,675,687	2,889,646
2074	-	55,996	163,642	-	2,736,460	2,956,098
2075	-	56,821	168,656	-	2,798,615	3,024,092
2076	-	2,370	7,143	-	117,624	127,137
2077	-	-	-	-	-	-

Pacific Gas & Electric Company
DCPP Unit 1 Contribution Calculation
QUALIFIED TRUST

NDT Returns and Liquidation Values

Line No.	Variable	Formula	YE 2017																														
1	Total return (after fee)	return less fee	7.96%																														
2	Dividend yield	given	2.2%																														
3	Appreciation rate	total - dividend	5.81%																														
4	Dividend tax rate	given	27.1%																														
5	Capital gain tax rate	given	27.1%																														
6	Turnover rate	given	10.6%																														
7	Beginning cost/equity	given	24.4%																														
8	Total Fix Inc return (after fee)	return less fee	3.80%																														
9	Fixed Income Tax Rate	given	20.7%																														
10	Beginning Cash	given	\$0.294																														
11	Starting Total Balance		1,374.31																														
12			START ->																														
13	Year		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
14	Year		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	
15	Beginning yr Cost index		24	24	24	36	42	49	55	60	60	67	70	74	81	81	81	81	81	81	81	86	109	156	197	206	216	222	233	245	250	255	
16	Beginning yr Price index		100	106	112	118	125	133	140	149	157	166	176	186	197	208	221	233	247	261	276	293	310	328	347	367	388	411	434	460	486	515	
17	Cost/Market ratio		24%	23.1%	22%	30%	33%	37%	39%	41%	38%	40%	40%	41%	39%	37%	35%	33%	31%	29%	30%	35%	48%	57%	56%	54%	54%	53%	51%	50%			
18	Beginning Equity cost	Equity Given	210.28	181.10	159.73	237.25	265.16	305.43	321.60	338.33	302.10	321.64	311.57	302.97	313.59	271.51	201.78	143.97	100.42	75.05	57.02	55.94	70.21	114.82	165.10	162.79	161.67	153.23	151.93	150.00	140.36	130.90	
19	Beginning Equity market	Equity Given	861.26	784.85	732.48	787.61	798.36	823.84	828.11	834.41	788.37	797.56	778.71	761.28	763.08	699.10	549.73	415.05	306.33	242.23	194.75	189.25	199.28	240.63	290.14	289.71	290.25	283.33	283.02	281.96	273.05	263.78	
20	Dividend Income	beg. market value * dividend yield	18.52	16.87	15.75	16.93	17.16	17.71	17.80	17.94	16.95	17.15	16.74	16.37	16.41	15.03	11.82	8.92	6.59	5.21	4.19	4.07	4.28	5.17	6.24	6.23	6.24	6.09	6.08	6.06	5.87	5.67	
21	Dividend Tax	dividend income * dividend tax rate	5.01	4.57	4.26	4.58	4.65	4.80	4.82	4.86	4.59	4.64	4.53	4.43	4.44	4.07	3.20	2.42	1.78	1.41	1.13	1.10	1.16	1.40	1.69	1.69	1.69	1.65	1.65	1.64	1.59	1.54	
22	Appreciation	beg. market value * appreciation rate	50.06	45.62	42.57	45.78	46.40	47.88	48.13	48.50	45.82	46.35	45.26	44.25	44.35	40.63	31.95	24.12	17.80	14.08	11.32	11.00	11.58	13.99	16.86	16.84	16.87	16.47	16.45	16.39	15.87	15.33	
23	Sales	turnover * (beg market value + appreciation)	96.21	87.67	81.82	87.98	89.18	92.03	92.50	93.21	88.07	89.09	86.99	85.04	85.24	78.09	61.41	46.36	34.22	27.06	21.76	21.14	22.26	26.88	32.41	32.36	32.42	31.65	31.61	31.50	30.50	29.47	
24	Cost of Equity sales	beg. cost/(sales/(beg market + appreciation))	22.20	19.12	16.86	25.05	27.99	32.24	33.95	35.72	31.89	33.96	32.89	31.99	33.11	28.66	21.30	15.20	10.60	7.92	6.02	5.91	7.41	12.12	17.43	17.19	17.07	16.18	16.04	15.84	14.82	13.82	
25	Realized capital gain	sales - cost of sales	74.01	68.55	64.96	62.93	61.19	59.78	58.55	57.49	56.17	55.14	54.09	53.05	52.14	49.43	40.11	31.16	23.62	19.14	15.74	15.24	14.85	14.76	14.98	15.18	15.36	15.47	15.58	15.66	15.68	15.65	
26	Capital gain tax	realized capital gain * capital gain tax rate	20.04	18.56	17.59	17.04	16.56	16.18	15.85	15.56	15.21	14.93	14.64	14.36	14.11	13.38	10.86	8.44	6.39	5.18	4.26	4.12	4.02	4.06	4.11	4.16	4.19	4.22	4.24	4.25	4.24	4.25	
27	Ending after-tax gains		43.53	39.36	36.47	41.09	42.35	44.61	45.26	46.02	42.97	43.93	42.82	41.82	42.20	38.21	29.71	22.19	16.21	12.70	10.11	9.84	10.69	13.76	17.36	17.27	17.26	16.72	16.67	16.57	15.91	15.23	
28	After-tax return on equity			5.02%	4.98%	5.22%	5.31%	5.42%	5.47%	5.51%	5.45%	5.51%	5.50%	5.49%	5.53%	5.40%	5.25%	5.23%	5.24%	5.19%	5.20%	5.36%	5.72%	5.98%	5.96%	5.95%	5.90%	5.89%	5.88%	5.83%	5.77%		
29																																	
30																																	
31	Starting Fixed Income Principal, plus cash		512.75	642.15	732.48	962.63	1,248.72	1,529.99	1,843.21	2,145.64	2,131.52	2,050.86	2,002.39	1,957.57	1,868.24	1,711.59	1,649.20	1,471.54	1,225.33	968.90	779.01	670.98	538.80	376.37	340.60	354.09	369.41	391.27	407.27	422.94	445.50	468.93	
32	Interest income	beg. principal * Fixed inc rate	19.50	24.42	27.86	36.61	47.49	58.19	70.10	81.60	81.06	78.00	76.15	74.45	71.05	65.09	62.72	55.96	46.60	36.85	29.63	25.52	20.49	14.31	12.95	13.47	14.05	14.88	15.49	16.08	16.94	17.83	
33	Income tax	Interest income * Fixed Inc tax rate	4.03	5.05	5.76	7.57	9.82	12.03	14.49	16.87	16.76	16.12	15.74	15.39	14.69	13.46	12.97	11.57	9.63	7.62	6.12	5.28	4.24	2.96	2.68	2.78	2.90	3.08	3.20	3.33	3.50	3.69	
34	After-tax investable cash	Income-income tax	15.47	19.37	22.10	29.04	37.67	46.16	55.61	64.73	64.31	61.87	60.41	59.06	56.36	51.64	49.75	44.39	36.97	29.23	23.50	20.24	16.26	11.35	10.28	10.68	11.14	11.80	12.29	12.76	13.44	14.15	
35	Ending principal+gain		528.22	661.52	754.57	991.67	1,286.39	1,576.14	1,898.81	2,210.37	2,195.82	2,112.73	2,062.80	2,016.63	1,924.60	1,763.22	1,698.95	1,515.93	1,262.30	998.13	802.52	691.23	555.06	387.73	350.87	364.77	380.56	403.07	419.56	435.70	458.94	483.08	
36	After tax return on Fix inc			3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	
37	Year		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	
38	Beginning year Total assets		1,374.31	1,427.00	1,464.95	1,750.24	2,047.08	2,353.82	2,671.31	2,980.05	2,919.89	2,848.42	2,781.10	2,718.84	2,631.32	2,410.68	2,198.93	1,886.59	1,531.66	1,211.13	973.77	860.24	738.09	617.01	630.73	643.80	659.67	674.60	690.29	704.90	718.56	732.71	
39	End of year cash		\$105.440	100.79	97.82	112.33	122.81	134.92	145.24	155.46	149.53	148.54	144.96	141.67	139.45	127.31	108.92	88.83	69.60	54.91	44.05	40.23	37.62	38.01	43.18	43.48	43.96	43.71	44.12	44.44	43.98	43.51	
40	End of year equity base, beg + appreciation		815.11	742.79	693.23	745.40	755.58	779.69	783.73	789.70	746.13	754.82	736.98	720.48	722.19	661.64	520.27	392.81	289.92	229.25	184.32	179.11	188.60	227.74	274.59	274.70	268.15	267.85	266.85	258.42	249.64		
41	End of year fixed income base, less cash gain		512.75	642.15	732.48	962.63	1,248.72	1,529.99	1,843.21	2,145.64	2,131.52	2,050.86	2,002.39	1,957.57	1,868.24	1,711.59	1,649.20	1,471.54	1,225.33	968.90	779.01	670.98	538.80	376.37	340.60	354.09	369.41	391.27	407.27	422.94	445.50	468.93	
42	End year investable, before contrib		1,433.30	1,485.74	1,523.52	1,820.37	2,127.11	2,444.60	2,772.18	3,090.80	3,027.17	2,954.22	2,884.33	2,819.72	2,729.88	2,500.53	2,278.40	1,953.17	1,584.84	1,253.05	1,007.38	890.32	765.03	642.13	658.37	671.76	688.07	703.12	719.24	734.23	747.90	762.09	
43	Pre-reallocation total return			4.12%	4.00%	4.01%	3.91%	3.86%	3.78%	3.72%	3.67%	3.71%	3.71%	3.75%	3.73%	3.61%	3.53%	3.47%	3.46%	3.45%	3.50%	3.65%	4.07%	4.38%	4.34%	4.31%	4.23%	4.19%	4.16%	4.08%	4.01%		
44																																	
45	Withdrawal		-	(18.60)	-	-	-	-	(18.85)	(170.69)	(178.75)	(173.12)	(165.49)	(188.40)	(315.38)	(282.43)	(373.21)	(405.77)	(364.81)	(272.68)	(147.15)	(152.23)	(148.02)	(11.39)	(14.57)	(12.09)	(13.48)	(12.84)	(14.34)	(15.67)	(15.19)	(14.48)	
46	New Contribution		-	-	226.72	226.72	226.72	226.72	226.72	207.87	(170.69)	(178.75)	(173.12)	(165.49)	(188.40)	(315.38)	(282.43)	(373.21)	(405.77)	(364.81)	(272.68)	(147.15)	(152.23)	(148.02)	(11.39)	(14.57)	(12.09)	(13.48)	(12.84)	(14.34)	(15.67)	(15.19)	(14.48)
47	Net adjustments		(18.60)	226.72	226.72	226.72	226.72	226.72	207.87	(170.69)	(178.75)	(173.12)	(165.49)	(188.40)	(315.38)	(282.43)	(373.21)	(405.77)	(364.81)	(272.68)	(147.15)	(152.23)	(148.02)	(11.39)	(14.57)	(12.09)	(13.48)	(12.84)	(14.34)	(15.67)	(15.19)	(14.48)	
48	New Investable Base		1,433.30	1,467.14	1,750.24	2,047.08	2,353.82	2,671.31	2,980.05	2,920.11	2,848.41	2,781.10	2,718.84	2,631.32	2,414.51	2,218.10	1,905.19	1,547.40	1,220.04	980.37	860.24	738.09	617.01										

Pacific Gas & Electric Co
DCPP Unit 1 Contribution
QUALIFIED TRUST

NDT Returns and Liquid

Line

Line No.	Variable	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
Year	Year	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077		
1	Total return (after fee)	269	273	273	273	273	273	273	273	273	273	273	1,014	1,073	1,135	1,201	1,271	1,345	1,423	1,506	1,593	1,686	1,784	1,887	1,997	2,113	2,236	2,366	2,503	2,649	2,803		
2	Dividend yield	545	576	610	645	683	722	764	809	856	905	958	1,014	1,073	1,135	1,201	1,271	1,345	1,423	1,506	1,593	1,686	1,784	1,887	1,997	2,113	2,236	2,366	2,503	2,649	2,803		
3	Appreciation rate	49%	47%	45%	42%	40%	38%	36%	34%	32%	30%	28%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
4	Dividend tax rate	129.10	119.02	104.08	92.98	76.29	60.62	43.25	30.10	15.50	7.33	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5	Capital gain tax rate	261.66	251.19	232.42	219.71	190.75	160.37	121.08	89.16	48.57	24.31	8.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	Turnover rate	5.63	5.40	5.00	4.72	4.10	3.45	2.60	1.92	1.04	0.52	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	Beginning cost/equity	1.52	1.46	1.35	1.28	1.11	0.93	0.70	0.52	0.28	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	Total Fix Inc return (after f	15.21	14.60	13.51	12.77	11.09	9.32	7.04	5.18	2.82	1.41	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	Fixed Income Tax Rate	29.23	28.06	25.96	24.54	21.31	17.91	13.53	9.96	5.43	2.72	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Beginning Cash	13.63	12.56	10.99	9.82	8.05	6.40	4.57	3.18	1.64	0.77	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	Starting Total Balance	15.60	15.49	14.98	14.73	13.25	11.52	8.96	6.78	3.79	1.94	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12		4.22	4.19	4.05	3.99	3.59	3.12	2.43	1.84	1.03	0.53	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13	Year	15.09	14.34	13.10	12.23	10.49	8.72	6.51	4.74	2.56	1.27	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	Year	5.77%	5.71%	5.64%	5.57%	5.50%	5.44%	5.38%	5.32%	5.27%	5.22%	5.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
15	Beginning yr Cost index	485.95	509.99	542.31	564.96	604.05	641.49	686.15	721.38	760.86	785.94	804.60	814.07	817.79	812.46	807.21	795.38	782.49	775.81	765.37	275.12	167.48	90.59	40.37	20.56	16.05	8.47	5.84	3.06	0.12	0.00	0.00	
16	Beginning yr Price index	18.48	19.40	20.62	21.49	22.97	24.40	26.09	27.43	28.94	29.89	30.60	30.96	31.10	30.90	30.70	30.25	29.76	29.50	29.11	10.46	6.37	3.45	1.54	0.78	0.61	0.32	0.22	0.12	0.00	0.00	0.00	
17	Cost/Market ratio	3.82	4.01	4.26	4.44	4.75	5.04	5.39	5.67	5.98	6.18	6.33	6.40	6.43	6.39	6.35	6.25	6.15	6.10	6.02	2.16	1.32	0.71	0.32	0.16	0.13	0.07	0.05	0.02	0.00	0.00	0.00	
18	Beginning Equity cost	14.66	15.39	16.36	17.04	18.22	19.35	20.70	21.76	22.95	23.71	24.27	24.56	24.67	24.51	24.35	24.00	23.61	23.41	23.09	8.30	5.05	2.73	1.22	0.62	0.48	0.26	0.18	0.09	0.00	0.00	0.00	0.00
19	Beginning Equity market	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
20	Dividend Income	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
21	Dividend Tax	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
22	Appreciation	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
23	Sales	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
24	Cost of Equity sales	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
25	Realized capital gain	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
26	Capital gain tax	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
27	Ending after-tax gains	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0.13	0.00	0.00	
28	After-tax return on equit	5.77%	5.71%	5.64%	5.57%	5.50%	5.44%	5.38%	5.32%	5.27%	5.22%	5.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29		485.95	509.99	542.31	564.96	604.05	641.49	686.15	721.38	760.86	785.94	804.60	814.07	817.79	812.46	807.21	795.38	782.49	775.81	765.37	275.12	167.48	90.59	40.37	20.56	16.05	8.47	5.84	3.06	0.12	0.00	0.00	
30		18.48	19.40	20.62	21.49	22.97	24.40	26.09	27.43	28.94	29.89	30.60	30.96	31.10	30.90	30.70	30.25	29.76	29.50	29.11	10.46	6.37	3.45	1.54	0.78	0.61	0.32	0.22	0.12	0.00	0.00	0.00	
31	Starting Fixed Income Prir	3.82	4.01	4.26	4.44	4.75	5.04	5.39	5.67	5.98	6.18	6.33	6.40	6.43	6.39	6.35	6.25	6.15	6.10	6.02	2.16	1.32	0.71	0.32	0.16	0.13	0.07	0.05	0.02	0.00	0.00		
32	Interest income	14.66	15.39	16.36	17.04	18.22	19.35	20.70	21.76	22.95	23.71	24.27	24.56	24.67	24.51	24.35	24.00	23.61	23.41	23.09	8.30	5.05	2.73	1.22	0.62	0.48	0.26	0.18	0.09	0.00	0.00	0.00	
33	Income tax	500.61	525.38	558.67	582.00	622.27	660.85	706.85	743.14	783.81	809.65	828.88	838.63	842.46	836.97	831.56	819.37	806.10	799.22	788.47	283.42	172.53	93.32	41.59	21.18	16.54	8.73	6.01	3.15	0			

PACIFIC GAS AND ELECTRIC COMPANY
Diablo Canyon Unit 1
Cash Flow

Line No.	Year (EOY)	AT ROR Q	DCPP #1 YE Bal Before +/-	Capital Gain Tax from Liquidation	Withdrawal (at YE)	Contrib. (at YE)	Remaining Assets
1	12/31/2017						
2							
3	2017						
4	2018	1.0000	1433.3	-6.3	0.0	0.000	1427
5	2019	1.0412	1485.7	-2.2	18.6	0.000	1465
6	2020	1.0400	1523.5	0.0	0.0	226.715	1750
7	2021	1.0401	1820.4	0.0	0.0	226.715	2047
8	2022	1.0391	2127.1	0.0	0.0	226.715	2354
9	2023	1.0386	2444.6	0.0	0.0	226.715	2671
10	2024	1.0378	2772.2	0.0	18.8	226.715	2980
11	2025	1.0372	3090.8	-0.2	170.7	0.000	2920
12	2026	1.0367	3027.2	0.0	178.8	0.000	2848
13	2027	1.0371	2954.2	0.0	173.1	0.000	2781
14	2028	1.0371	2884.3	0.0	165.5	0.000	2719
15	2029	1.0371	2819.7	0.0	188.4	0.000	2631
16	2030	1.0375	2729.9	-3.8	315.4	0.000	2411
17	2031	1.0373	2500.5	-19.2	282.4	0.000	2199
18	2032	1.0361	2278.4	-18.6	373.2	0.000	1887
19	2033	1.0353	1953.2	-15.7	405.8	0.000	1532
20	2034	1.0347	1584.8	-8.9	364.8	0.000	1211
21	2035	1.0346	1253.1	-6.6	272.7	0.000	974
22	2036	1.0345	1007.4	0.0	147.1	0.000	860
23	2037	1.0350	890.3	0.0	152.2	0.000	738
24	2038	1.0365	765.0	0.0	148.0	0.000	617
25	2039	1.0407	642.1	0.0	11.4	0.000	631
26	2040	1.0438	658.4	0.0	14.6	0.000	644
27	2041	1.0434	671.8	0.0	12.1	0.000	660
28	2042	1.0431	688.1	0.0	13.5	0.000	675
29	2043	1.0423	703.1	0.0	12.8	0.000	690
30	2044	1.0419	719.2	0.0	14.3	0.000	705
31	2045	1.0416	734.2	0.0	15.7	0.000	719
32	2046	1.0408	747.9	0.0	15.2	0.000	733
33	2047	1.0401	762.1	0.0	14.5	0.000	748
34	2048	1.0398	777.4	0.0	16.2	0.000	761
35	2049	1.0391	790.9	-0.8	15.4	0.000	775
36	2050	1.0380	804.2	0.0	19.5	0.000	785
37	2051	1.0373	813.9	-2.8	16.3	0.000	795
38	2052	1.0361	823.5	-3.4	18.3	0.000	802
39	2053	1.0350	829.9	-5.3	17.4	0.000	807
40	2054	1.0337	834.4	-4.6	19.3	0.000	811
41	2055	1.0327	837.0	-6.6	21.0	0.000	809
42	2056	1.0315	834.9	-4.1	20.6	0.000	810
43	2057	1.0308	835.2	-2.9	19.6	0.000	813
44	2058	1.0304	837.4	-1.5	21.8	0.000	814
45	2059	1.0302	838.6	0.0	20.8	0.000	818
46	2060	1.0302	842.5	0.0	30.0	0.000	812
47	2061	1.0302	837.0	0.0	29.8	0.000	807
48	2062	1.0302	831.6	0.0	36.2	0.000	795
49	2063	1.0302	819.4	0.0	36.9	0.000	782
50	2064	1.0302	806.1	0.0	30.3	0.000	776
51	2065	1.0302	799.2	0.0	34	0.000	765
52	2066	1.0302	788.5	0.0	51.3	0.000	275
53	2067	1.0302	283.4	0.0	116	0.000	167
54	2068	1.0302	172.5	0.0	82	0.000	91
55	2069	1.0302	93.3	0.0	53	0.000	40
56	2070	1.0302	41.6	0.0	21	0.000	21
57	2071	1.0302	21.2	0.0	5	0.000	16
58	2072	1.0302	16.5	0.0	8	0.000	8
59	2073	1.0302	8.7	0.0	3	0.000	6
60	2074	1.0302	6.0	0.0	3	0.000	3
61	2075	1.0302	3.1	0.0	3	0.000	0
62	2076	1.0302	0.1	0.0	0	0.000	0
63	2077	1.0302	0.0	0.0	0	0.000	0
64							
65	Total			-113.58	4730.23	1133.58	
66							

Pacific Gas and Electric Company
2018 NDCTP DCP Unit 2 Cost Study

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DCPP Unit 2 Cost Study - DECOM \$2017							DCPP Unit 2 Cost Study - DECOM \$Nominal					
2019 3% NRC Approved Withdrawal							17,142,384	3,023	822,200	-	632,394	\$ 18,600,000
Year	PG&E Labor	Equipment & Materials	Contractors	Burial	Other	Total	PG&E Labor	Equipment & Materials	Contractors	Burial	Other	Total
Total	651,355,665	369,710,625	569,517,327	451,478,508	408,579,468	2,450,641,594	1,230,183,830	485,150,569	1,081,866,064	1,864,533,723	659,187,548	5,320,921,735
2024	-	-	-	-	-	-	-	-	-	-	-	-
2025	91,101,432	10,992,300	35,499,773	-	11,657,702	149,251,207	118,121,179.56	12,448,484	46,174,621	-	14,019,591	190,763,875
2026	54,974,075	14,346,031	37,630,818	-	19,773,187	126,724,111	73,631,021	16,474,852	50,560,902	-	24,279,156	164,945,931
2027	47,980,180	19,293,834	42,738,526	19,652,867	15,010,321	144,675,729	66,384,255	22,469,004	59,231,627	37,574,626	18,813,325	204,472,837
2028	46,719,439	10,780,568	29,310,023	7,149,904	13,418,705	107,378,640	66,773,041	12,730,504	41,887,334	14,585,315	17,165,748	153,141,942
2029	46,591,790	15,289,961	38,515,688	15,653,888	14,165,312	130,216,639	68,788,091	18,300,332	56,733,832	34,070,986	18,490,519	196,383,759
2030	46,967,333	20,909,479	32,460,360	2,203,372	17,053,399	119,593,943	71,630,846	25,354,185	49,250,458	5,116,786	22,708,971	174,061,245
2031	46,758,046	30,134,987	46,385,245	3,721,044	58,622,480	185,621,802	73,664,943	36,998,101	72,487,823	9,219,791	79,610,826	271,981,484
2032	41,268,514	26,270,098	54,065,155	74,312,060	23,226,200	219,142,026	67,162,005	32,654,055	87,030,733	196,454,693	32,169,664	415,471,150
2033	21,365,790	19,002,015	41,560,033	138,328,451	22,791,445	\$243,047,734	35,918,989	23,922,367	68,912,875	390,176,845	32,206,135	551,137,211
2034	21,316,891	20,275,465	30,873,407	100,279,314	20,338,708	\$193,083,785	37,019,396	25,848,574	52,733,614	301,792,337	29,318,878	446,712,799
2035	20,681,003	34,956,474	29,974,582	55,520,888	23,824,426	\$164,957,373	37,100,297	45,127,767	52,741,218	178,278,975	35,042,108	348,290,365
2036	13,433,180	40,841,924	31,000,078	3,026,607	34,197,058	\$122,498,847	24,893,442	53,397,968	56,189,451	10,369,234	51,324,531	196,174,626
2037	13,323,917	43,902,459	30,980,092	3,018,338	34,323,423	\$125,548,229	25,505,765	58,138,600	57,835,639	11,033,297	52,571,500	205,084,801
2038	12,494,752	34,292,458	16,191,806	2,836,411	27,174,311	\$92,989,738	24,707,818	46,002,943	31,128,751	11,062,504	42,482,103	155,384,119
2039	4,034,329	489,280	1,718,947	-	1,253,450	\$7,496,005	8,240,971	664,969	3,403,215	-	2,000,293	14,309,447
2040	4,045,382	428,487	1,075,901	-	2,188,946	\$7,738,716	8,536,246	590,074	2,193,772	-	3,566,577	14,886,669
2041	4,034,329	398,737	1,312,948	-	1,196,147	\$6,942,161	8,793,849	556,591	2,757,526	-	1,990,588	14,098,555
2042	4,034,329	398,737	933,613	-	1,078,750	\$6,445,429	9,084,046	564,258	2,019,909	-	1,833,842	13,502,055
2043	4,034,329	381,600	1,343,741	-	1,196,147	\$6,955,817	9,383,820	547,570	2,995,377	-	2,077,726	15,004,493
2044	4,045,382	331,654	496,101	-	1,081,706	\$5,954,842	9,720,043	482,701	1,139,626	-	1,920,449	13,262,818
2045	4,034,329	330,747	888,516	-	2,303,387	\$7,556,980	10,013,371	488,347	2,103,453	-	4,180,739	16,785,910
2046	4,034,329	330,747	494,745	-	1,078,750	\$5,938,572	10,343,812	495,467	1,207,056	-	2,001,991	14,048,325
2047	4,034,329	330,747	874,080	-	1,196,147	\$6,435,303	10,685,158	502,733	2,197,794	-	2,270,131	15,655,815
2048	4,045,382	331,654	496,101	-	1,081,706	\$5,954,842	11,068,008	511,650	1,285,770	-	2,100,182	14,965,609
2049	4,034,329	330,747	874,080	-	1,196,147	\$6,435,303	11,402,014	517,769	2,334,818	-	2,375,123	16,629,725
2050	4,034,329	368,247	509,181	-	2,185,991	\$7,097,748	11,778,281	584,967	1,401,789	-	4,439,192	18,204,229
2051	4,034,329	330,747	874,080	-	1,196,147	\$6,435,303	12,166,964	533,138	2,480,106	-	2,484,242	17,664,450
2052	4,045,382	331,654	496,101	-	1,081,706	\$5,954,842	12,602,908	542,475	1,450,766	-	2,297,590	16,893,739
2053	4,034,329	330,747	874,080	-	1,196,147	\$6,435,303	12,983,233	548,964	2,634,434	-	2,598,375	18,765,006
2054	4,034,329	330,747	494,745	-	1,078,750	\$5,938,572	13,411,680	557,052	1,536,832	-	2,396,581	17,902,145
2055	4,034,329	330,747	888,516	-	2,185,991	\$7,439,583	13,854,266	565,259	2,844,582	-	4,966,763	22,230,870
2056	4,045,382	331,654	496,101	-	1,081,706	\$5,954,842	14,350,666	575,158	1,636,936	-	2,513,553	19,076,314
2057	4,034,329	330,747	874,080	-	1,313,543	\$6,552,700	14,783,734	582,037	2,972,498	-	3,121,601	21,459,871
2058	4,034,329	330,747	494,745	-	1,078,750	\$5,938,572	15,271,598	590,613	1,734,046	-	2,621,849	20,218,106
2059	4,034,329	330,747	874,080	-	1,196,147	\$6,435,303	15,775,560	599,314	3,157,467	-	2,973,208	22,505,549
2060	4,166,404	331,654	1,322,396	-	2,331,130	\$8,151,584	16,829,656	609,810	4,923,316	-	5,925,994	28,288,776
2061	4,156,018	330,747	2,411,211	-	1,659,016	\$8,556,992	17,341,697	617,104	9,252,090	-	4,313,196	31,524,087
2062	4,156,018	330,747	2,901,284	-	1,637,962	\$9,026,012	17,913,973	626,196	11,473,701	-	4,355,184	34,369,053
2063	4,156,018	338,455	3,675,923	-	1,695,465	\$9,865,861	18,505,134	650,228	14,982,637	-	4,610,472	38,748,471
2064	4,424,074	351,397	1,853,933	-	1,529,739	\$8,159,142	20,348,738	685,038	7,787,972	-	4,254,297	33,076,045
2065	4,823,262	344,261	2,069,035	-	2,704,160	\$9,940,717	22,916,923	681,015	8,957,911	-	7,691,245	40,247,093
2066	4,823,262	344,080	2,433,006	1,263,602	1,396,560	\$10,260,510	23,673,181	690,685	10,856,523	30,255,705	4,062,354	69,538,448
2067	6,783,814	1,885,412	7,241,626	21,246,782	17,140,378	\$54,298,011	34,394,578	3,840,422	33,303,678	542,796,274	50,990,876	665,325,828
2068	1,096,268	4,623,683	14,960,357	1,981,137	4,811,677	\$27,473,122	5,741,602	9,556,802	70,909,867	54,001,416	14,639,372	154,849,059
2069	1,093,273	4,297,627	8,420,507	1,074,776	3,069,629	\$17,955,813	5,914,870	9,013,743	41,135,003	31,257,584	9,551,374	96,872,574
2070	1,093,273	6,280,203	4,333,352	209,066	2,350,430	\$14,266,324	6,110,060	13,366,014	21,817,543	6,487,357	7,479,648	55,260,622
2071	86,863	1,115,091	1,169,331	-	989,403	\$3,360,688	501,477	2,408,187	6,067,754	-	3,220,037	12,197,456
2072	744,606	145,217	769,271	-	850,687	\$2,509,781	4,440,625	318,236	4,114,136	-	2,831,465	11,704,461
2073	-	94,186	423,850	-	786,031	\$1,304,068	-	209,445	2,336,254	-	2,675,687	5,221,386
2074	-	94,186	423,850	-	786,031	\$1,304,068	-	212,531	2,407,846	-	2,736,460	5,356,837
2075	-	84,683	531,086	-	786,031	\$1,401,801	-	193,903	3,109,495	-	2,798,615	6,102,012
2076	-	1,020	7,240	-	32,303	\$40,562	-	2,370	43,689	-	117,624	163,682
2077	-	-	-	-	-	\$0	-	-	-	-	-	-

Pacific Gas & Electric Company
DCPP Unit 2 Contribution Calculation
QUALIFIED TRUST

NDT Returns and Liquidation Values

Line No.	Variable	Formula	YE 2017
1	Total return (after fee)	return less fee	7.96%
2	Dividend yield	given	2.2%
3	Appreciation rate	total - dividend	5.81%
4	Dividend tax rate	given	27.1%
5	Capital gain tax rate	given	27.1%
6	Turnover rate	given	10.6%
7	Beginning cost/market	given	25.8%
8	Total Fix Inc return (after f	return less fee	3.80%
9	Fixed Income Tax Rate	given	20.7%
10	Beginning Cash	given	\$0.344
11	Starting Total Balance		\$1,798
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13			
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Pacific Gas & Electric Co
DCPP Unit 2 Contribution
QUALIFIED TRUST

NDT Returns and Liquids

Line
No.
Variable

Year	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Year	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	
1 Total return (after fee)	269	274	274	276	276	276	276	276	276	276	276	1,014	1,073	1,135	1,201	1,271	1,345	1,423	1,506	1,593	1,686	1,784	1,887	1,997	2,113	2,236	2,366	2,503	2,649	2,803	
2 Dividend yield	545	576	610	645	683	722	764	809	856	905	958	1,014	1,073	1,135	1,201	1,271	1,345	1,423	1,506	1,593	1,686	1,784	1,887	1,997	2,113	2,236	2,366	2,503	2,649	2,803	
3 Appreciation rate	49%	48%	45%	43%	40%	38%	36%	34%	32%	30%	29%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
4 Dividend tax rate	153.49	142.92	125.22	113.15	93.05	74.34	53.18	37.22	19.23	9.15	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5 Capital gain tax rate	311.22	300.17	278.30	264.53	230.19	194.60	147.29	109.09	59.64	30.04	10.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6 Turnover rate	6.69	6.45	5.98	5.69	4.95	4.18	3.17	2.35	1.28	0.65	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7 Beginning cost/market	1.81	1.75	1.62	1.54	1.34	1.13	0.86	0.63	0.35	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8 Total Fix Inc return (after f	18.09	17.45	16.17	15.37	13.38	11.31	8.56	6.34	3.47	1.75	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9 Fixed Income Tax Rate	34.76	33.53	31.09	29.55	25.71	21.74	16.45	12.19	6.66	3.36	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10 Beginning Cash	16.20	15.09	13.22	11.95	9.82	7.85	5.61	3.93	2.03	0.97	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11 Starting Total Balance	18.56	18.44	17.87	17.60	15.89	13.89	10.84	8.26	4.63	2.39	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	5.02	4.99	4.84	4.77	4.30	3.76	2.93	2.24	1.25	0.65	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13	17.94	17.16	15.70	14.76	12.69	10.60	7.94	5.82	3.15	1.57	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	5.77%	5.72%	5.64%	5.58%	5.51%	5.45%	5.39%	5.33%	5.28%	5.23%	5.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
15	577.97	609.44	649.36	680.22	728.92	778.40	834.65	882.66	934.33	971.22	997.05	1,015.63	1,023.77	1,026.36	1,025.80	1,022.38	1,014.48	1,012.01	1,002.29	962.99	326.72	181.72	90.33	37.80	26.74	15.84	11.10	6.08	0.16	0.00	
16	21.98	23.18	24.70	25.87	27.72	29.60	31.74	33.57	35.53	36.94	37.92	38.63	38.93	39.03	39.01	38.88	38.58	38.49	38.12	36.62	12.43	6.91	3.44	1.44	1.02	0.60	0.42	0.23	0.01	0.00	
17	4.54	4.79	5.11	5.35	5.73	6.12	6.56	6.94	7.35	7.64	7.84	7.99	8.05	8.07	8.04	7.98	7.96	7.88	7.57	2.57	1.43	0.71	0.30	0.21	0.12	0.09	0.05	0.00	0.00	0.00	
18	17.44	18.39	19.59	20.52	21.99	23.48	25.18	26.63	28.19	29.30	30.08	30.64	30.89	30.96	30.95	30.84	30.61	30.53	30.24	29.05	9.86	5.48	2.73	1.14	0.81	0.48	0.33	0.18	0.00	0.00	
19	595.41	627.82	668.95	700.74	750.91	801.88	859.83	909.29	962.51	1,000.52	1,027.13	1,046.27	1,054.65	1,057.33	1,056.75	1,053.23	1,045.08	1,042.54	1,032.53	992.04	336.57	187.21	93.06	38.94	27.55	16.32	11.43	6.26	0.16	0.00	
20	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%
21	889.19	909.60	927.66	944.75	959.11	973.00	981.94	991.75	993.96	1,001.25	1,007.13	1,015.63	1,023.77	1,026.36	1,025.80	1,022.38	1,014.48	1,012.01	1,002.29	962.99	326.72	181.72	90.33	37.80	26.74	15.84	11.10	6.08	0.16	0.00	
22	52.06	51.63	50.20	49.45	47.01	44.51	41.01	38.29	34.53	32.48	31.14	30.64	30.89	30.96	30.95	30.84	30.61	30.53	30.24	29.05	9.86	5.48	2.73	1.14	0.81	0.48	0.33	0.18	0.00	0.00	
23	294.54	284.08	263.39	250.35	217.85	184.17	139.40	103.25	56.44	28.43	9.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	577.97	609.44	649.36	680.22	728.92	778.40	834.65	882.66	934.33	971.22	997.05	1,015.63	1,023.77	1,026.36	1,025.80	1,022.38	1,014.48	1,012.01	1,002.29	962.99	326.72	181.72	90.33	37.80	26.74	15.84	11.10	6.08	0.16	0.00	
25	924.57	945.15	962.95	980.02	993.78	1,007.09	1,015.06	1,024.19	1,025.30	1,032.12	1,037.73	1,046.27	1,054.65	1,057.33	1,056.75	1,053.23	1,045.08	1,042.54	1,032.53	992.04	336.57	187.21	93.06	38.94	27.55	16.32	11.43	6.26	0.16	0.00	
26	3.98%	3.91%	3.80%	3.73%	3.62%	3.50%	3.37%	3.27%	3.15%	3.08%	3.04%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%	3.02%
27	(14.97)	(16.63)	(18.20)	(17.66)	(16.89)	(18.77)	(17.90)	(22.23)	(19.08)	(21.46)	(20.22)	(22.51)	(28.29)	(31.52)	(34.37)	(38.75)	(33.08)	(40.25)	(69.54)	(665.33)	(154.85)	(96.87)	(55.26)	(12.20)	(11.70)	(5.22)	(5.36)	(6.10)	(0.16)	-	
28	909.60	928.52	944.75	962.36	976.89	988.32	997.15	1,001.96	1,006.22	1,010.66	1,017.51	1,023.77	1,026.36	1,025.80	1,022.38	1,014.48	1,012.01	1,002.29	962.99	326.72	181.72	90.33	37.80	26.74	15.84	11.10	6.08	0.16	0.00	0.00	
29	300.17	278.56	264.53	230.97	195.38	148.25	109.69	60.12	30.19	10.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	609.44	649.36	680.22	731.39	781.51	840.07	887.47	941.85	976.04	1,000.56	1,017.51	1,023.77	1,026.36	1,025.80	1,022.38	1,014.48	1,012.01	1,002.29	962.99	326.72	181.72	90.33	37.80	26.74	15.84	11.10	6.08	0.16	0.00	0.00	
31	5.63	(5.53)	1.14	(19.39)	(22.47)	(35.92)	(29.71)	(43.13)	(26.26)	(18.32)	(9.53)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	5.91	(5.79)	1.20	(20.17)	(23.25)	(36.88)	(30.31)	(43.61)	(26.40)	(18.36)	(9.53)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
33	0.8544	(0.8617)	0.1861	(3.2529)	(3.8898)	(6.3796)	(5.4049)	(7.9987)	(4.9697)	(3.5382)	(1.8780)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
34	(5.06)	4.93	(1.01)	16.92	19.36	30.50	24.90	35.61	21.43	14.82	7.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	300.45	278.30	264.58	230.19	194.60	147.29	109.09	59.64	30.04	10.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	610.01	649.36	680.35	728.92	778.40	834.65	882.66	934.33	971.22	997.05	1,015.63	1,023.77	1,026.36	1,025.80	1,022.38	1,014.48	1,012.01	1,002.29	962.99	326.72	181.72	90.33	37.80	26.74	15.84	11.10	6.08	0.16	0.00	0.00	
37	910.46	927.66	944.93	959.11	973.00	981.94	991.75	993.96	1,001.25	1,007.13	1,015.63	1,023.77	1,026.36	1,025.80	1,022.38	1,014.48	1,012.01	1,002.29	962.99	326.72	181.72	90.33	37.80	26.74	15.84	11.10	6.08	0.16	0.00	0.00	
38	300.17	278.30	264.53	230.19	194.60	147.29	109.09	59.64	30.04	10.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	609.44	649.36	680.22	728.92	778.40	834.65	882.66	934.33	971.22	997.05	1,015.63	1,023.77	1,026.36	1,025.80	1,022.38	1,014.48	1,012.01	1,002.29	962.99	326.72	181.72	90.33	37.80	26.74							

PACIFIC GAS AND ELECTRIC COMPANY
Diablo Canyon Unit 2
Cash Flow

Line No.	Year	AT ROR Q	DCPP #2 YE Bal Before +/-	Capital Gain Tax from Liquidation	Withdrawal (at YE)	Contrib. (at YE)	Remaining Assets
1	12/31/2017						
2							
3	2017						
4	2018	1.0000	1874.9	-7.4	0.0	0.000	1867.5
5	2019	1.0414	1944.7	-2.1	18.6	0.000	1924.0
6	2020	1.0402	2001.3	0.0	0.0	151.141	2152.4
7	2021	1.0396	2237.7	0.0	0.0	151.141	2388.8
8	2022	1.0383	2480.3	0.0	0.0	151.141	2631.5
9	2023	1.0377	2730.6	0.0	0.0	151.141	2881.7
10	2024	1.0368	2987.8	0.0	0.0	151.141	3138.9
11	2025	1.0363	3252.8	0.0	190.8	151.141	3213.2
12	2026	1.0362	3329.4	0.0	164.9	0.000	3164.4
13	2027	1.0367	3280.5	0.0	204.5	0.000	3076.0
14	2028	1.0367	3188.8	0.0	153.1	0.000	3035.6
15	2029	1.0367	3147.1	0.0	196.4	0.000	2950.7
16	2030	1.0371	3060.3	0.0	174.1	0.000	2886.2
17	2031	1.0371	2993.4	-20.5	272.0	0.000	2700.9
18	2032	1.0360	2798.3	-21.6	415.5	0.000	2361.2
19	2033	1.0352	2444.3	-21.8	551.1	0.000	1871.4
20	2034	1.0346	1936.2	-11.1	446.7	0.000	1478.4
21	2035	1.0345	1529.4	-8.8	348.3	0.000	1172.3
22	2036	1.0345	1212.7	0.0	196.2	0.000	1016.5
23	2037	1.0348	1051.9	0.0	205.1	0.000	846.8
24	2038	1.0362	877.5	0.0	155.4	0.000	722.1
25	2039	1.0405	751.3	0.0	14.3	0.000	737.0
26	2040	1.0436	769.2	0.0	14.9	0.000	754.3
27	2041	1.0433	786.9	0.0	14.1	0.000	772.8
28	2042	1.0429	806.0	0.0	13.5	0.000	792.5
29	2043	1.0422	825.9	0.0	15.0	0.000	810.9
30	2044	1.0419	844.9	0.0	13.3	0.000	831.6
31	2045	1.0415	866.2	0.0	16.8	0.000	849.4
32	2046	1.0408	884.0	0.0	14.0	0.000	870.0
33	2047	1.0401	904.8	0.0	15.7	0.000	889.2
34	2048	1.0398	924.6	0.0	15.0	0.000	909.6
35	2049	1.0391	945.2	-0.9	16.6	0.000	927.7
36	2050	1.0380	963.0	0.0	18.2	0.000	944.7
37	2051	1.0373	980.0	-3.3	17.7	0.000	959.1
38	2052	1.0362	993.8	-3.9	16.9	0.000	973.0
39	2053	1.0350	1007.1	-6.4	18.8	0.000	981.9
40	2054	1.0337	1015.1	-5.4	17.9	0.000	991.7
41	2055	1.0327	1024.2	-8.0	22.2	0.000	994.0
42	2056	1.0315	1025.3	-5.0	19.1	0.000	1001.3
43	2057	1.0308	1032.1	-3.5	21.5	0.000	1007.1
44	2058	1.0304	1037.7	-1.9	20.2	0.000	1015.6
45	2059	1.0302	1046.3	0.0	22.5	0.000	1023.8
46	2060	1.0302	1054.7	0.0	28.3	0.000	1026.4
47	2061	1.0302	1057.3	0.0	31.5	0.000	1025.8
48	2062	1.0302	1056.8	0.0	34.4	0.000	1022.4
49	2063	1.0302	1053.2	0.0	38.7	0.000	1014.5
50	2064	1.0302	1045.1	0.0	33.1	0.000	1012.0
51	2065	1.0302	1042.5	0.0	40.2	0.000	1002.3
52	2066	1.0302	1032.5	0.0	69.5	0.000	963.0
53	2067	1.0302	992.0	0.0	665.3	0.000	326.7
54	2068	1.0302	336.6	0.0	154.8	0.000	181.7
55	2069	1.0302	187.2	0.0	96.9	0.000	90.3
56	2070	1.0302	93.1	0.0	55.3	0.000	37.8
57	2071	1.0302	38.9	0.0	12.2	0.000	26.7
58	2072	1.0302	27.5	0.0	11.7	0.000	15.8
59	2073	1.0302	16.3	0.0	5.2	0.000	11.1
60	2074	1.0302	11.4	0.0	5.4	0.000	6.1
61	2075	1.0302	6.3	0.0	6.1	0.000	0.2
62	2076	1.0302	0.2	0.0	0.2	0.000	0.0
63	2077	1.0302	0.0	0.0	0.0	0.000	0.0
64							
65	Total			(131.55)	5,339.52	906.84	
66							

**Pacific Gas & Electric Company
Nuclear Decommissioning
Humbolt Bay Unit 3**

Line No.		2015 NDCTP		2018 NDCTP [2]	
1	Contribution (\$M)	Period	\$M	Period	\$M
2	Annual Contribution		\$ 62.360	\$ 3.791	
3	Total Contribution	2017-2019	\$ 187.079	2020-2022	\$ 11.374
4					
5	Nuclear Decom Trust (\$M)	As of 12/31/2015		As of 12/31/2017	
6	CPUC-Qualified		\$ 190.660	\$ 148.126	
7	CPUC Non-Qualified		\$ 0.396	\$ 0.359	
8	FERC-Qualified		\$ 1.487	\$ 1.890	
9	Total Market Value		\$ 192.543	\$ 150.375	
10					
11	EROA Assumptions (%)	EROA (%)	Wtd	EROA (%)	Wtd
12	Equity Return (Pre-tax & fee)	7.7%		8.12%	
13	Equity Fees	0.1%		0.1%	
14	Dividend Rate	2.3%		2.2%	
15	Turnover Rate	11.2%		10.6%	
16	Equity Tax Rate	<u>27.1%</u>		<u>27.1%</u>	
17	Equity Return (After-tax & fee)	6.8%	0.4%	7.3%	0.4%
18					
19	Fixed Income Return (Pre-tax & fee)	3.6%		3.2%	
20	Fixed Income Fees	0.1%		0.1%	
21	Fixed Income Tax Rate	<u>20.7%</u>		<u>20.7%</u>	
22	Fixed Income Return (After-tax & fee)	2.8%	2.6%	2.4%	2.3%
23					
24	6/94 Portfolio WA Return (Pre-tax&fee)	3.8%		3.5%	
25	6/94 Portfolio WA Return (Post-tax&fee)	3.0%		2.7%	
26	Equity Rampdown	-1.0%		-1.0%	
27					
28					
29	Remaining Decommissioning Cost (\$M) [1]	Period	2014\$	Period	2018\$
30	PG&E Labor	2017-2030	\$ 70.152 21%	2018-2033	\$ 89.898 33%
31	Materials	2017-2030	3.216 1%	2018-2033	1.361 0.5%
32	Contract Labor	2017-2030	165.052 50%	2018-2033	136.675 50%
33	Burial Costs	2017-2030	27.468 8%	2018-2033	20.946 8%
34	Other	2017-2030	65.541 20%	2018-2033	24.323 9%
35			\$ 331.428 100%		\$ 273.203 100%
36					
37	Remaining Decommissioning nominal	Period	Nominal \$	Period	Nominal \$
38	PG&E Labor	2017-2030	\$ 90.385 23%	2018-2033	\$ 112.552 35%
39	Materials	2017-2030	3.402 1%	2018-2033	1.382 0.4%
40	Contract Labor	2017-2030	190.412 49%	2018-2033	152.221 48%
41	Burial Costs	2017-2030	34.770 9%	2018-2033	24.630 8%
42	Other	2017-2030	72.197 18%	2018-2033	28.706 9%
43			\$ 391.165 100%		\$ 319.491 100%
44					
45					
46	Decommissioning Cost Escalation Factors		Simple Average		Simple Average
47	PG&E Labor	2015-2030	2.91%	2019-2033	3.30%
48	Equipment and Materials	2015-2020	1.64%	2019-2020	2.50%
49	Contract Labor	2015-2030	3.07%	2019-2033	3.23%
50	Burial Costs	2015-2018	5.00%	2019	5.00%
51	Other	2015-2030	1.97%	2019-2033	2.20%

Notes

[1] Period 2018-2033 remaining decommissioning costs include actual decommissioning costs incurred in November and December 2017. These costs were disbursed in early 2018.

[2] All demolition and restoration activities associated with decommissioning HBPP, except for spent fuel disposal and ISFSI decommissioning, are anticipated to be completed by 2020. Spent fuel storage activities are forecast to continue to the end of 2033.

Pacific Gas and Electric Company
2018 NDCTP HBPP Unit 3 - Costs

2018 - 2033 COSTS SUBJECT TO ESCALATION
Updated Nuclear Decommissioning Cashflow \$2018

2018 - 2033 COSTS
Updated Nuclear Decommissioning Cashflow Nominal Dollar

Line No	Year	PG&E Labor	Equipment & Materials	Contractor Labor	Burial	Other	Yearly Total
1	2017	8,784,576	562,308	64,260,437	16,577,205	502,814	90,687,340
2	2018	8,072,778	729,057	34,169,764	1,000,000	5,668,907	49,640,506
3	2019	5,904,731	69,394	4,375,466	-	1,829,317	11,978,908
4	2020	5,567,477	-	2,387,663	-	1,180,059	9,135,199
5	2021	5,567,477	-	1,792,133	-	1,065,560	8,425,170
6	2022	5,567,477	-	1,769,953	-	1,063,427	8,400,857
7	2023	5,567,477	-	1,703,413	-	1,048,502	8,319,392
8	2024	5,567,477	-	2,307,816	-	1,159,909	9,035,202
9	2025	5,567,477	-	1,769,953	-	1,054,898	8,392,328
10	2026	5,567,477	-	1,736,683	-	1,051,701	8,355,861
11	2027	5,567,477	-	1,736,683	-	1,051,701	8,355,861
12	2028	5,567,477	-	1,736,683	-	1,051,701	8,355,861
13	2029	5,567,477	-	1,736,683	-	1,051,701	8,355,861
14	2030	5,567,477	-	1,750,264	-	1,073,088	8,390,829
15	2031	5,567,477	-	4,838,519	-	1,812,090	12,218,086
16	2032	326,191	-	8,636,655	3,368,692	2,860,850	15,192,388
17	2033	-	-	-	-	-	-
18	2034	-	-	-	-	-	-
19	2035	-	-	-	-	-	-
20	2036	-	-	-	-	-	-
21	2037	-	-	-	-	-	-
22	Total	89,898,000	1,360,759	136,675,498	20,945,897	24,323,026	273,203,180
23							
24							
25							
26							
27							
28							

Notes

[1] Period 2018 costs include actual decommissioning costs incurred in November and December 2017. These costs were disbursed in early 2018.

**Pacific Gas and Electric Company
2018 NDCTP HBPP Unit 3
Escalation Rates from Base Year, 2018**

Line No.	Year	PG&E Labor	Materials	Contract Labor	Burial Costs	Other
1	2017	1.0000	1.0000	1.0000	1.0000	1.0000
2	2018	1.0000	1.0000	1.0000	1.0000	1.0000
3	2019	1.0330	1.0237	1.0331	1.0500	1.0239
4	2020	1.0671	1.0507	1.0684	1.1025	1.0512
5	2021	1.1023	1.0771	1.1055	1.1576	1.0780
6	2022	1.1387	1.1030	1.1434	1.2155	1.1042
7	2023	1.1763	1.1284	1.1822	1.2763	1.1300
8	2024	1.2151	1.1531	1.2220	1.3401	1.1549
9	2025	1.2552	1.1773	1.2630	1.4071	1.1795
10	2026	1.2966	1.2018	1.3046	1.4775	1.2043
11	2027	1.3394	1.2265	1.3457	1.5513	1.2292
12	2028	1.3836	1.2515	1.3877	1.6289	1.2546
13	2029	1.4292	1.2768	1.4303	1.7103	1.2802
14	2030	1.4764	1.3022	1.4732	1.7959	1.3059
15	2031	1.5251	1.3277	1.5174	1.8856	1.3317
16	2032	1.5754	1.3538	1.5631	1.9799	1.3582
17	2033	1.6274	1.3809	1.6102	2.0789	1.3857
18	2034	1.6811	1.4084	1.6586	2.1829	1.4135
19	2035	1.7366	1.4367	1.7086	2.2920	1.4422
20	2036	1.7939	1.4656	1.7600	2.4066	1.4717
21	2037					

3.30% 2.50% 3.23% 5.00% 2.20%

Line No.	Year	PG&E Labor	Materials [1]	Contract Labor	Burial Costs	Other
1	2017					
2	2018					
3	2019	0.0330	0.0237	0.0331	0.0500	0.0239
4	2020	0.0330	0.0264	0.0342	0.0500	0.0267
5	2021	0.0330	0.0251	0.0347	0.0500	0.0255
6	2022	0.0330	0.0240	0.0343	0.0500	0.0243
7	2023	0.0330	0.0230	0.0339	0.0500	0.0233
8	2024	0.0330	0.0219	0.0337	0.0500	0.0221
9	2025	0.0330	0.0210	0.0335	0.0500	0.0213
10	2026	0.0330	0.0208	0.0330	0.0500	0.0210
11	2027	0.0330	0.0205	0.0315	0.0500	0.0207
12	2028	0.0330	0.0204	0.0312	0.0500	0.0206
13	2029	0.0330	0.0202	0.0307	0.0500	0.0204
14	2030	0.0330	0.0199	0.0300	0.0500	0.0201
15	2031	0.0330	0.0196	0.0300	0.0500	0.0198
16	2032	0.0330	0.0197	0.0301	0.0500	0.0199
17	2033	0.0330	0.0200	0.0301	0.0500	0.0202
18	2034	0.0330	0.0199	0.0301	0.0500	0.0201
19	2035	0.0330	0.0201	0.0301	0.0500	0.0203
20	2036	0.0330	0.0201	0.0301	0.0500	0.0204

[1] Materials: The materials and equipment escalator for HBPP is based on 98.1% materials weight and 1.9% heavy equip.

Pacific Gas & Electric Company
Nuclear Decommissioning
Humbolt Bay Unit 3

Line
No

1 **Scenario Sensitivity & Results:**

2	Contribution Amt.	\$3.791331	
3	Next Contributions End	12/31/2022	
4	Current Contrib End	12/31/2019	
5	extend 3 yr contrib ? (input # of yrs)	3	

7 **Inputs (In Blue):**

Notes

9	Model Starting Year	2018	
11	Trust Balance		
12	CPUC Qualified Mkt Value(\$M)	\$ 148.126	12/31/2017 NDT Asset Map
13	FERC Qualified Mkt Value(\$M)	\$ 1.890	12/31/2017 NDT Asset Map
14	Total	\$ 150.017	
15	Nonqualified Mkt Value (\$M)	\$ 0.359	12/31/2017 NDT Asset Map
17	Equity (\$M)	\$ 9.590	12/31/2017 NDT Asset Map
18	Fixed Income	\$ 140.081	12/31/2017 NDT Asset Map
19	Beginning Cash (\$M)	\$ 0.345	12/31/2017 NDT Asset Map
20	Total	\$ 150.017	
22	Cost of portfolio at 12/31/2017 (\$M)	\$ 130.292	
23	Beginning cost/market	87%	< Actual Assets Cost/Market Value
24	Cost to Equity Ratio	-106%	
27	Equity	8.12%	Weighted average 70% US Equity and 30% Non-US Equity
28	Equity Fee	0.10%	
29	After Fee	8.02%	
30	Dividend yield	2.2%	
31	Appreciation rate	5.87%	
33	Expected Fixed Income Return	3.19%	
34	Fixed Income Fee	0.10%	
35	Total Fix Inc return (after fee)	3.09%	
37	Equity Turnover Percentage	10.6%	
39	Equity Ramp Down:	-1.00%	
40	Equity Allocation 2018	6.00%	Callan asset-liability study supports this asset allocation
41	Fixed Income + Cash Allocation	94.00%	
43	Dividend tax rate	27.1%	< IRS
44	Capital gain tax rate	27.1%	< IRS
45	Fixed Income Tax Rate	20.7%	< IRS

**Pacific Gas and Electric Company
2018 NDCTP HBPP Unit 3
Cash Flow**

Line No	Year	AT ROR Q	YE Bal Before +/-	Tax from Liquidation	Withdrawal (at YE)	Contrib. (at YE)	Remaining Assets
1	2018	1.0000	153.2	-1.6	90.687	62.360	123.3
2	2019	1.0240	126.3	-0.2	51.241	62.360	137.2
3	2020	1.0242	140.5	-0.6	12.761	3.791	130.9
4	2021	1.0243	134.1	-0.6	10.049	3.791	127.3
5	2022	1.0244	130.4	-0.6	9.565	3.791	124.0
6	2023	1.0244	127.0	-0.6	9.843	0.000	116.6
7	2024	1.0245	119.5	0.0	10.057	0.000	109.4
8	2025	1.0245	112.1	0.0	10.376	0.000	101.7
9	2026	1.0245	104.2	0.0	11.627	0.000	92.6
10	2027	1.0245	94.9	0.0	11.136	0.000	83.7
11	2028	1.0245	85.8	0.0	11.432	0.000	74.4
12	2029	1.0245	76.2	0.0	11.788	0.000	64.4
13	2030	1.0245	66.0	0.0	12.152	0.000	53.8
14	2031	1.0245	55.1	0.0	12.576	0.000	42.6
15	2032	1.0245	43.6	0.0	18.796	0.000	24.8
16	2033	1.0245	25.4	0.0	25.405	0.000	0.0
17	2034	1.0245	0.0	0.0	0.000	0.000	0.0
18	2035	1.0245	0.0	0.0	0.000	0.000	0.0
19	2036	1.0245	0.0	0.0	0.000	0.000	0.0
20	2037	1.0245	0.0	0.0	0.000	0.000	0.0

Pacific Gas and Electric Company
2018 NDCTP DCP Unit 1 and 2
EROA Summary

Line No.		Weight	EROA [1]	comments
1	Equity Return			
2	U.S. Equity	70%	8.00%	Russell 20 Year Arithmetic
3	Non-U.S. Equity	30%	8.20%	Russell 20 Year Arithmetic
4	Gross of fees and tax		8.06%	
5	Fees		0.10%	
6	Dividend yield		2.15%	
7	Portfolio turnover		10.6%	
8	Cap Gain tax rate (incl. dividend income)		27.07%	
9	After tax&fee		7.2%	
10				
11	Fixed income return			
12	Gross of fee and tax		3.90%	
13	Fees		0.10%	
14	Interest income tax rate		20.67%	
15	After fees and tax		3.02%	
16				
17	Portfolio Return	Portfolio Weight	Wtd Return	
18	Equity	60%	4.34%	
19	Fixed Income	40%	1.21%	
20	Total	100%	5.55%	
21				
22				

[1] Source: Capital_Market_Summary_Statistics-US-Strategic_Planning-June_2018

**Pacific Gas and Electric Company
2018 NDCTP DCP Unit 1 and 2
Fixed Income EROA**

Line

No.

BlackRock portfolio (30% of total fixed income)

			LTROA	Total
	Allocation	Russell Proxy [1]	Return [2]	Return
1				
2				
3	10%	Muni Bonds	3.10%	0.31%
4	15%	US Credit	4.70%	0.71%
5	15%	US Credit	4.70%	0.71%
6	15%	US Credit	4.70%	0.71%
7	10%	US High Yield	6.00%	0.60%
8	5%	US Credit	4.70%	0.24%
9	30%	US Treasuries	3.70%	1.11%
10	100%			4.37%

[1] Source: Russell - Capital_Market_Summary_Statistics-US-Strategic_Planning-June_2018

Total fixed income portfolio

	Allocation	Proxy [1]	LTROA	Total
			Return [2]	Return
17				
18				
19	70%	US Treasuries (Russell)	3.70%	2.59%
20	30%		4.37%	1.31%
21				3.90%

Tax rate for fixed income

	Allocation	Tax Rate	Wtd Tax
			Rate [3]
25			
26			
27	79.0%	20.0%	15.8%
28	3.0%	0.0%	0.0%
29	18.0%	27.1%	4.9%
30	100.0%		20.7%

[3] Tax rate for fixed income is a weighted average of the tax rates for the various benchmark instruments

Pacific Gas and Electric Company
2018 NDCTP DCP Unit 1 and 2
Portfolio Turnover

Line No.	Assets (\$M)	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
1														
2	SSgA	0	0	0	1,062	964	872	774	785	773				
3	Rhumbline	1366	1,222	1,111	90	85	71							
4	PanAggira	611	508	418	441	460	383	327	352	328				
5	Total	1,977	1,730	1,529	1,593	1,509	1,326	1,101	1,137	1,101				
6	Average	1,854	1,629	1,561	1,551	1,418	1,214	1,119	1,119	1,119				
7														
8	Asset sales (1-way)	169	132	141	215	233	114	116	67					
9														
10	Turnover	9.1%	8.1%	9.0%	13.9%	16.5%	9.4%	10.4%	5.9%		29.9%	7.3%	3.7%	3.4%
11	Average Turnover	10.6%	10.7%	10.9%	11.2%	10.8%	10.0%	10.1%	10.1%	11.1%	11.1%	4.8%	3.5%	3.4%

Pacific Gas and Electric Company
2018 NDCTP DCP Unit 1 and 2
Fees

Line No.		2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
1	Fees (\$M)											
2	Trustee & Tax Filing	0.499	0.137	0.429	0.355	0.291	0.205	0.274	0.261	0.228	0.256	
3	Investment Management	1.97	1.86	2.07	2.42	2.26	2.081	1.927	1.740	1.600	1.653	
4	Audit and Consulting	0.028	0.063	0.032	0.032	0.053	0.018	0.039	0.100	0.048	0.017	
5	Misc	0.037	0.039	0.039	0.037	0.038	0.036	0.038	0.039	0.039	0.026	
6	Total	2.533	2.097	2.571	2.844	2.642	2.34	2.278	2.140	1.915	1.952	
7												
8	Assets (\$M)											
9	Total year end	3,301	2,935	2,777	2,742	2,646	2,397	2,205	2,138	1,939	1,687	2,077
10	Average	3,118	2,856	2,759	2,694	2,522	2,301	2,172	2,039	1,813	1,882	
11												
12	Fees (% of average assets)	0.08%	0.07%	0.09%	0.11%	0.10%	0.10%	0.10%	0.10%	0.11%	0.10%	
13	Average	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	
14	Basis points	9.8	10.0	10.3	10.4	10.4	10.4	10.5	10.5	10.5	10.4	

**Pacific Gas and Electric Company
2018 NDCTP DCP Unit 1 and 2
Dividend Yield**

Line No.		As of 9/12/2018	As of 11/3/2015
1	US Equity		
2	Assets (\$M)	1,448	1,058
3	Yield [1]	1.78%	1.97%
4			
5	ACWI ex US		
6	Assets (\$M)	555	405
7	Yield [1]	3.12%	3.28%
8			
9	Wtd Average		
10	Yield	2.15%	2.33%
11			
12			
13	[1] Source: Bloomberg		

Pacific Gas and Electric Company
2018 NDCTP HBPP Unit 3
EROA Summary

Line
No
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Equity Return	Weight	EROA [1]	comments
U.S. Equity	70%	8.00%	Russell 10 Year Arithmetic
Non-U.S. Equity	30%	8.40%	Russell 10 Year Arithmetic
Gross of fees and tax		8.12%	
Fees		0.10%	
Dividend yield		2.15%	
Portfolio turnover		10.6%	
Cap Gain tax rate (incl. dividend income)		27.07%	
After tax&fee		7.3%	
Fixed Income Return			
Gross of fee and tax		3.19%	
Fees		0.10%	
Interest income tax rate		20.67%	
After fees and tax		2.45%	
Portfolio Return			
	Portfolio Weight	Wtd Return	
Equity	6%	0.4%	
Fixed Income	94%	2.30%	
Total	100%	2.74%	

[1] Source: Capital_Market_Summary_Statistics-US-Strategic_Planning-June_2018

**Pacific Gas and Electric Company
2018 NDCTP HBPP Unit 3
Fixed Income EROA**

Line

No

BlackRock portfolio (30% of total fixed income)

			LTROA	Total
	Allocation	Russell Proxy [1]	Return [2]	Return
1				
2				
3	Barclays Municipal Bond Index	Muni Bonds	2.47%	0.25%
4	Barclays CMBS, Eligible for U.S. Aggregate	US Credit	3.90%	0.59%
5	Barclays ABS Index	US Credit	3.90%	0.59%
6	Barclays Intermediate Corporate US Only Index	US Credit	3.90%	0.59%
7	Barclays U.S. Corporate High Yield Index	US High Yield	5.22%	0.52%
8	Barclays MBS Index	US Credit	3.90%	0.20%
9	Barclays Treasury 5+ Yr Index	US Treasuries	3.00%	0.90%
10		100%		3.62%

[1] Source: Russell - Capital_Market_Summary_Statistics-US-Strategic_Planning-June_2018

Total fixed income portfolio

	Allocation	Proxy [1]	LTROA	Total
			Return [2]	Return
17				
18				
19	Treasury benchmark	US Treasuries (Russell)	3.00%	2.10%
20	BLK Custom benchmark		3.62%	1.09%
21				3.19%

Tax rate for fixed income

	Allocation	Tax Rate	Wtd Tax
			Rate [3]
25			
26			
27	Federal tax only	79.0%	20.0%
28	Tax free	3.0%	0.0%
29	Federal + state tax	18.0%	27.1%
30	Total	100.0%	20.7%

[3] Tax rate for fixed income is a weighted average of the tax rates for the various benchmark instruments

Pacific Gas and Electric Company
2018 NDCTP HBPP Unit 3
Portfolio Turnover

Line No.	Assets (\$M)	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
1	SSgA	0	0	0	1,062	964	872	774	785	773				
2	Rhumbline	1366	1,222	1,111	90	85	71							
3	PanAgora	611	508	418	441	460	383	327	352	328				
4	Total	1,977	1,730	1,529	1,593	1,509	1,326	1,101	1,137	1,101				
5	Average	1,854	1,629	1,561	1,551	1,418	1,214	1,119	1,119					
6	Asset sales (1-way)	169	132	141	215	233	114	116	67					
7	Turnover	9.1%	8.1%	9.0%	13.9%	16.5%	9.4%	10.4%	5.9%		29.9%	7.3%	3.7%	3.4%
8	Average Turnover	10.6%	10.7%	10.9%	11.2%	10.8%	10.0%	10.1%	10.1%	11.1%	11.1%	4.8%	3.5%	3.4%

Pacific Gas and Electric Company
2018 NDCTP HBPP Unit 3

Line No	Fees (\$M)	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
1												
2												
3	Trustee & Tax Filing	0.499	0.137	0.429	0.355	0.291	0.205	0.274	0.261	0.228	0.256	
4	Investment Management	1.97	1.86	2.07	2.42	2.26	2.081	1.927	1.740	1.600	1.653	
5	Audit and Consulting	0.028	0.063	0.032	0.032	0.053	0.018	0.039	0.100	0.048	0.017	
6	Misc	0.037	0.039	0.039	0.037	0.038	0.036	0.038	0.039	0.039	0.026	
7	Total	2.533	2.097	2.571	2.844	2.642	2.34	2.278	2.140	1.915	1.952	
8												
9	Assets (\$M)											
10	Total year end	3,301	2,935	2,777	2,742	2,646	2,397	2,205	2,138	1,939	1,687	2,077
11	Average	3,118	2,856	2,759	2,694	2,522	2,301	2,172	2,039	1,813	1,882	
12												
13	Fees (% of average assets)	0.08%	0.07%	0.09%	0.11%	0.10%	0.10%	0.10%	0.10%	0.11%	0.10%	
14	Average	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	
15	Basis points	9.8	10.0	10.3	10.4	10.4	10.4	10.5	10.5	10.5	10.4	

**Pacific Gas and Electric Company
2018 NDCTP HBPP Unit 3
Dividend Yield**

Line No.		As of 9/12/2018	As of 11/3/2015
1	US Equity		
2	Assets (\$M)	1,448	1,058
3	Yield [1]	1.78%	1.97%
4			
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6	Assets (\$M)	555	405
7	Yield [1]	3.12%	3.28%
8			
9	Wtd Average		
10	Yield	2.15%	2.33%
11			
12			
13	[1] Source: Bloomberg		

PACIFIC GAS AND ELECTRIC COMPANY
2018 NUCLEAR DECOMMISSIONING COST TRIENNIAL PROCEEDING

WORKPAPERS SUPPORTING
CHAPTER 11, TRUST CONTRIBUTION AND PLANNING ACTIVITIES REVENUE
REQUIREMENTS

TABLE OF CONTENTS

Subject	Page No.
Chapter 11	
Initial Assumptions to RO Calculation	WP 11-1
Results of Operations at Proposed Rates: Year 2020	WP 11-3
Income Tax at Proposed Rates: Year 2020	WP 11-4
Results of Operations at Present Rates: Year 2020	WP 11-5
Income Tax at Present Rates: Year 2020	WP 11-6
Rate Base: Year 2021	WP 11-7
Results of Operations at Proposed Rates: Year 2021	WP 11-8
Income Tax at Proposed Rates: Year 2021	WP 11-9
Results of Operations at Present Rates: Year 2021	WP 11-10
Income Tax at Present Rates: Year 2021	WP 11-11
Rate Base: Year 2021	WP 11-12
Results of Operations at Proposed Rates: Year 2022	WP 11-13
Income Tax at Proposed Rates: Year 2022	WP 11-14
Results of Operations at Present Rates: Year 2022	WP 11-15
Income Tax at Present Rates: Year 2022	WP 11-16
Rate Base: Year 2022	WP 11-17
Lead Lag Sudy at Proposed Rates Humboldt Decommissioning – Year 2020	WP 11-18
Lead Lag Sudy at Proposed Rates Diablo Canyon Unit 1 Decommissioning – Year 2020	WP 11-19
Lead Lag Sudy at Proposed Rates Diablo Canyon Unit 2 Decommissioning – Year 2020	WP 11-20
Lead Lag Sudy at Proposed Rates Humboldt Decommissioning – Year 2021	WP 11-21
Lead Lag Sudy at Proposed Rates Diablo Canyon Unit 1 Decommissioning – Year 2021	WP 11-22
Lead Lag Sudy at Proposed Rates Diablo Canyon Unit 2 Decommissioning – Year 2021	WP 11-23

PACIFIC GAS AND ELECTRIC COMPANY
2018 NUCLEAR DECOMMISSIONING COST TRIENNIAL PROCEEDING

WORKPAPERS SUPPORTING
CHAPTER 11, TRUST CONTRIBUTION AND PLANNING ACTIVITIES REVENUE
REQUIREMENTS

TABLE OF CONTENTS
(CONTINUED)

Subject	Page No.
Lead Lag Study at Proposed Rates Humboldt Decommissioning – Year 2022	WP 11-24
Lead Lag Study at Proposed Rates Diablo Canyon Unit 1 Decommissioning – Year 2022	WP 11-25
Lead Lag Study at Proposed Rates Diablo Canyon Unit 2 Decommissioning – Year 2022	WP 11-26

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Pacific Gas and Electric Company																
2	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)																
3	Workpapers Supporting Chapter 11 - Proprietary Model																
4	Initial Assumptions to RO Calculation																
5	(Thousands of Dollars)																
6																	
7						Humboldt Decom				Diablo Canyon Unit 1 Decommissioning				Diablo Canyon Unit 2 Decommissioning			
8		source				2020	2021	2022	source	2020	2021	2022	source	2020	2021	2022	source
9	Decom. Trust Contributions					3,791	3,791	3,791	Decom Input	226,715	226,715	226,715	Decom Input	151,141	151,141	151,141	Decom Input
10	RF&U Revenue Factor	0.011221															
11	Uncollectible	0.003385	0.003385	0.003385	2017 GRC Decision (D.) 17-05-013, PGE AL 4020-G_5389-E												
12	Franchise Fee & SFGR Tax	0.007836	0.007836	0.007836	2017 GRC Decision (D.) 17-05-013, PGE AL 4020-G_5389-E												
13																	
14	FIT	21.00%															
15	Slate Tax	8.84%															
16																	
17	Cost of Capital	Capital	Cost	Weighted													
18	Debt	47.00%	4.89%	2.30%	2018 authorized Cost of Capital (COC) decision (D.17-07-005)												
19	Preferred	1.00%	5.60%	0.06%	2018 authorized Cost of Capital (COC) decision (D.17-07-005)												
20	Common	52.00%	10.25%	5.33%	2018 authorized Cost of Capital (COC) decision (D.17-07-005)												
21	Total	100.00%		7.69%													
22																	
23	CPUC Jurisdictional	1.00															
24		SAFSTOR															
25																	
26	2015 NDCTP RRQ - Use Test Year 2019	4,401			Advice Letter 5080-E 2017-2019 RRQ Update	63,386	63,386	63,386	Advice Letter 5080-E 2017-2019 RRQ Update	-	-	-	Advice Letter 5080-E 2017-2019 RRQ Update	-	-	-	Advice Letter 5080-E 2017-2019 RRQ Update
27																	
28																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Pacific Gas and Electric Company																
2	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)																
3	Workpapers Supporting Chapter 11 - Proprietary Model																
4	Initial Assumptions to RO Calculation																
5	(Thousands of Dollars)																
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3	Pacific Gas and Electric Company							
4	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)							
5	Workpapers Supporting Chapter 11 - Proprietary Model							
6	Results of Operations at Proposed Rates							
7	YEAR 2020							
8	(Thousands of Dollars)							
11	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning	Total
12	-----							
13				(A)	(B)	(C)	(D)	
14	REVENUE:							
15	1	Revenue at Effective Rates			230,240	153,491	3,850	387,582
16	2	Less Non-General Revenue			0	0	0	0
17	-----							
18	3	NDCTP Revenue			230,240	153,491	3,850	387,582
19								
20	OPERATING EXPENSES:							
21	4	Energy Costs			0	0	0	0
22	5	Other Production			0	0	0	0
23	6	Storage			0	0	0	0
24	7	Transmission			0	0	0	0
25	8	Distribution			0	0	0	0
26	9	Customer Accounts			0	0	0	0
27	10	Uncollectibles			779	520	13	1,312
28	11	Customer Services			0	0	0	0
29	12	Administrative and General			0	0	0	0
30	13	Franchise & SFGR Tax Requirement			1,798	1,199	30	3,027
31	14	Project Amortization			0	0	0	0
32	15	Wage Change Impacts			0	0	0	0
33	16	Other Price Change Impacts			0	0	0	0
34	17	Other Adjustments			0	0	0	0
35	-----							
36	18	Subtotal Expenses:			2,577	1,718	43	4,339
37								
38	TAXES:							
39	19	Superfund			0	0	0	0
40	20	Property			0	0	0	0
41	21	Payroll			0	0	0	0
42	22	Business			0	0	0	0
43	23	Other			0	0	0	0
44	24	State Corporation Franchise			64	43	1	108
45	25	Federal Income			139	93	2	234
46	-----							
47	26	Total Taxes			203	135	3	342
48								
49	27	Depreciation			0	0	0	0
50	28	Fossil Decommissioning			0	0	0	0
51	29	Nuclear Decommissioning			226,715	151,141	3,791	381,647
52	-----							
53	30	Total Operating Expenses			229,495	152,994	3,838	386,328
54								
55	31	Net for Return			745	497	12	1,254
56								
57	32	Rate Base			9,687	6,458	162	16,307
58								
59	RATE OF RETURN:							
60	33	On Rate Base			7.69%	7.69%	7.69%	7.69%
61	34	On Equity			10.25%	10.25%	10.25%	10.25%

	A	B	C	D	E	F	G	H
103	Pacific Gas and Electric Company							
104	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)							
105	Workpapers Supporting Chapter 11 - Proprietary Model							
106	Income Tax at Proposed Rates							
107	YEAR 2020							
108	(Thousands of Dollars)							
111	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning	Total
112	-----				(A)	(B)	(C)	(D)
114	1	Revenues			230,240	153,491	3,850	387,582
115	2	O&M Expenses			2,577	1,718	43	4,339
116	3	Nuclear Decommissioning Expense			226,715	151,141	3,791	381,647
117	4	Superfund Tax			0	0	0	0
118	5	Taxes Other Than Income			0	0	0	0
119	-----							
120	6	Subtotal			948	632	16	1,596
121	DEDUCTIONS FROM TAXABLE INCOME:							
123	7	Interest Charges			223	149	4	375
124	8	Fiscal/Calendar Adjustment			0	0	0	0
125	9	Operating Expense Adjustments			0	0	0	0
126	10	Capitalized Interest Adjustment			0	0	0	0
127	11	Capitalized Inventory Adjustment			0	0	0	0
128	12	Vacation Accrual Reduction			0	0	0	0
129	13	Capitalized Other			0	0	0	0
130	-----							
131	14	Subtotal Deductions			223	149	4	375
132	CCFT TAXES:							
134	15	State Operating Expense Adjustment			0	0	0	0
135	16	State Tax Depreciation - Declining Balance			0	0	0	0
136	17	State Tax Depreciation - Fixed Assets			0	0	0	0
137	18	State Tax Depreciation - Other			0	0	0	0
138	19	Removal Costs			0	0	0	0
139	20	Repair Allowance			0	0	0	0
140	-----							
141	21	Subtotal Deductions			223	149	4	375
142	-----							
143	22	Taxable Income for CCFT			725	483	12	1,220
145	23	CCFT			64	43	1	108
146	24	State Tax Adjustment			0	0	0	0
147	-----							
148	25	Current CCFT			64	43	1	108
149	26	Deferred Taxes -Reg Asset			0	0	0	0
150	27	Deferred Taxes - Interest			0	0	0	0
151	28	Deferred Taxes - Vacation			0	0	0	0
152	29	Deferred Taxes - Other			0	0	0	0
153	30	Deferred Taxes - Fixed Assets			0	0	0	0
154	-----							
155	31	Total CCFT			64	43	1	108
156	FEDERAL TAXES:							
158	32	CCFT - Prior Year			64	43	1	108
159	33	Federal Operating Expense Adjustment			0	0	0	0
160	34	Fed. Tax Depreciation - Declining Balance			0	0	0	0
161	35	Federal Tax Depreciation - SLRL			0	0	0	0
162	36	Federal Tax Depreciation - Fixed Assets			0	0	0	0
163	37	Federal Tax Depreciation - Other			0	0	0	0
164	38	Removal Costs			0	0	0	0
165	39	Repair Allowance			0	0	0	0
166	40	Preferred Dividend Credit			0	0	0	0
167	-----							
168	41	Subtotal Deductions			287	191	5	483
169	-----							
170	42	Taxable Income for FIT			661	441	11	1,113
171	-----							
172	43	Federal Income Tax			139	93	2	234
173	44	Deferred Taxes - Reg Asset			0	0	0	0
174	45	Tax Deduction for Mfg Activities			0	0	0	0
175	46	Deferred Taxes - Interest			0	0	0	0
176	47	Deferred Taxes - Vacation			0	0	0	0
177	48	Deferred Taxes - Other			0	0	0	0
178	49	Deferred Taxes - Fixed Assets			0	0	0	0
179	-----							
180	50	Total Federal Income Tax			139	93	2	234

	J	K	L	M	N	O	P
3	Pacific Gas and Electric Company						
4	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
5	Workpapers Supporting Chapter 11 - Proprietary Model						
6	Results of Operations at Present Rates						
7	YEAR 2020						
8	(Thousands of Dollars)						
11	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning
12	-----						
13				(A)	(B)	(C)	
14	REVENUE:						
15	1	Revenue at Effective Rates			0	0	63,386
16	2	Less Non-General Revenue			0	0	0
17	-----						
18	3	Adopted Revenue			0	0	63,386
19	OPERATING EXPENSES:						
20	4	Energy Costs			0	0	0
21	5	Other Production			0	0	0
22	6	Storage			0	0	0
23	7	Transmission			0	0	0
24	8	Distribution			0	0	0
25	9	Customer Accounts			0	0	0
26	10	Uncollectibles			0	0	215
27	11	Customer Services			0	0	0
28	12	Administrative and General			0	0	0
29	13	Franchise & SFGR Tax Requirement			0	0	495
30	14	Project Amortization			0	0	0
31	15	Wage Change Impacts			0	0	0
32	16	Other Price Change Impacts			0	0	0
33	17	Other Adjustments			0	0	0
34	-----						
35	18	Subtotal Expenses:			0	0	710
36	TAXES:						
37	19	Superfund			0	0	0
38	20	Property			0	0	0
39	21	Payroll			0	0	0
40	22	Business			0	0	0
41	23	Other			0	0	0
42	24	State Corporation Franchise			(20,061)	(13,374)	5,205
43	25	Federal Income			(43,444)	(28,962)	11,272
44	-----						
45	26	Total Taxes			(63,505)	(42,336)	16,477
46	27	Depreciation			0	0	0
47	28	Fossil Decommissioning			0	0	0
48	29	Nuclear Decommissioning			226,715	151,141	3,791
49	-----						
50	30	Total Operating Expenses			163,210	108,805	20,978
51	31	Net for Return			(163,210)	(108,805)	42,408
52	32	Rate Base			9,687	6,458	162

	J	K	L	M	N	O	P
103	Pacific Gas and Electric Company						
104	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
105	Workpapers Supporting Chapter 11 - Proprietary Model						
106	Income Tax at Present Rates						
107	YEAR 2020						
108	(Thousands of Dollars)						
111	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Nuclear Decommissioning
112		-----					
113					(A)	(B)	(C)
114	1	Revenues			0	0	63,386
115	2	O&M Expenses			0	0	710
116	3	Nuclear Decommissioning Expense			226,715	151,141	3,791
117	4	Superfund Tax			0	0	0
118	5	Taxes Other Than Income			0	0	0
119		-----					
120	6	Subtotal			(226,715)	(151,141)	58,885
121		-----					
122		DEDUCTIONS FROM TAXABLE INCOME:					
123	7	Interest Charges			223	149	4
124	8	Fiscal/Calendar Adjustment			0	0	0
125	9	Operating Expense Adjustments			0	0	0
126	10	Capitalized Interest Adjustment			0	0	0
127	11	Capitalized Inventory Adjustment			0	0	0
128	12	Vacation Accrual Reduction			0	0	0
129	13	Capitalized Other			0	0	0
130		-----					
131	14	Subtotal Deductions			223	149	4
132		-----					
133		CCFT TAXES:					
134	15	State Operating Expense Adjustment			0	0	0
135	16	State Tax Depreciation - Declining Balance			0	0	0
136	17	State Tax Depreciation - Fixed Assets			0	0	0
137	18	State Tax Depreciation - Other			0	0	0
138	19	Removal Costs			0	0	0
139	20	Repair Allowance			0	0	0
140		-----					
141	21	Subtotal Deductions			223	149	4
142		-----					
143	22	Taxable Income for CCFT			(226,938)	(151,289)	58,881
144		-----					
145	23	CCFT			(20,061)	(13,374)	5,205
146	24	State Tax Adjustment			0	0	0
147		-----					
148	25	Current CCFT			(20,061)	(13,374)	5,205
149	26	Deferred Taxes - Reg Asset			0	0	0
150	27	Deferred Taxes - Interest			0	0	0
151	28	Deferred Taxes - Vacation			0	0	0
152	29	Deferred Taxes - Other			0	0	0
153	30	Deferred Taxes - Fixed Assets			0	0	0
154		-----					
155	31	Total CCFT			(20,061)	(13,374)	5,205
156		-----					
157		FEDERAL TAXES:					
158	32	CCFT - Prior Year			(20,061)	(13,374)	5,205
159	33	Federal Operating Expense Adjustment			0	0	0
160	34	Fed. Tax Depreciation - Declining Balance			0	0	0
161	35	Federal Tax Depreciation - SLRL			0	0	0
162	36	Federal Tax Depreciation - Fixed Assets			0	0	0
163	37	Federal Tax Depreciation - Other			0	0	0
164	38	Removal Costs			0	0	0
165	39	Repair Allowance			0	0	0
166	40	Preferred Dividend Credit			0	0	0
167		-----					
168	41	Subtotal Deductions			(19,839)	(13,225)	5,209
169		-----					
170	42	Taxable Income for FIT			(206,877)	(137,915)	53,676
171		-----					
172	43	Federal Income Tax			(43,444)	(28,962)	11,272
173	44	Deferred Taxes - Reg Asset			0	0	0
174	45	Flowback of Excess Deferred Taxes			0	0	0
175	46	Deferred Taxes - Interest			0	0	0
176	47	Deferred Taxes - Vacation			0	0	0
177	48	Deferred Taxes - Other			0	0	0
178	49	Deferred Taxes - Fixed Assets			0	0	0
179		-----					
180	50	Total Federal Income Tax			(43,444)	(28,962)	11,272

	R	S	T	U	V	W	X
3				Pacific Gas and Electric Company			
4				2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)			
5				Workpapers Supporting Chapter 11 - Proprietary Model			
6				Rate Base			
7				YEAR 2020			
8				(Thousands of Dollars)			
11	Line			Diablo Canyon Unit 1	Diablo Canyon Unit 2		Humboldt
12	No.	Description		Decommissioning	Decommissioning		Decommissioning
13				(A)	(B)		(C)
14		WEIGHTED AVERAGE PLANT:					
15	1	Plant		0	0		0
16	2	Plant Held for Future Use		0	0		0
17	3	Common Plant - Allocation		0	0		0
18	4	Common Plant Held for Future Use		0	0		0
19							
20	5	Total Weighted Average Plant		0	0		0
21							
22		WORKING CAPITAL:					
23	6	Material and Supplies - Fuel		0	0		0
24	7	Material and Supplies - Other		0	0		0
25	8	Working Cash		9,687	6,458		162
26							
27	9	Total Working Capital		9,687	6,458		162
28							
29		ADJUSTMENTS FOR TAX REFORM ACT:					
30	10	Deferred Capitalized Interest		0	0		0
31	11	Deferred Vacation		0	0		0
32	12	Deferred CIAC Tax Effects		0	0		0
33							
34	13	Total Adjustments		0	0		0
35							
36		LESS DEDUCTIONS:					
37	14	Customer Advances		0	0		0
38	15	Accumulated Deferred Taxes - Reg Asset		0	0		0
39	16	Accumulated Deferred Taxes - ACRS		0	0		0
40	17	Accumulated Deferred Taxes - Other		0	0		0
41	18	Deferred ITC		0	0		0
42	19	Deferred Tax - Other		0	0		0
43							
44	20	Total Deductions		0	0		0
45							
46							
47	21	DEPRECIATION RESERVE		0	0		0
48							
49							
50	22	TOTAL RATE BASE		9,687	6,458		162
51							
52	23	CPUC Jurisdictional		9,687	6,458		162

	A	B	C	D	E	F	G	H
3	Pacific Gas and Electric Company							
4	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)							
5	Workpapers Supporting Chapter 11 - Proprietary Model							
6	Results of Operations at Proposed Rates							
7	YEAR 2021							
8	(Thousands of Dollars)							
11	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning	Total
12	-----							
13				(A)	(B)	(C)	(D)	
14	REVENUE:							
15	1	Revenue at Effective Rates			230,240	153,491	3,850	387,582
16	2	Less Non-General Revenue			0	0	0	0
17	-----							
18	3	NDCTP Revenue			230,240	153,491	3,850	387,582
19	-----							
20	OPERATING EXPENSES:							
21	4	Energy Costs			0	0	0	0
22	5	Other Production			0	0	0	0
23	6	Storage			0	0	0	0
24	7	Transmission			0	0	0	0
25	8	Distribution			0	0	0	0
26	9	Customer Accounts			0	0	0	0
27	10	Uncollectibles			779	520	13	1,312
28	11	Customer Services			0	0	0	0
29	12	Administrative and General			0	0	0	0
30	13	Franchise & SFGR Tax Requirement			1,798	1,199	30	3,027
31	14	Project Amortization			0	0	0	0
32	15	Wage Change Impacts			0	0	0	0
33	16	Other Price Change Impacts			0	0	0	0
34	17	Other Adjustments			0	0	0	0
35	-----							
36	18	Subtotal Expenses:			2,577	1,718	43	4,339
37	-----							
38	TAXES:							
39	19	Superfund			0	0	0	0
40	20	Property			0	0	0	0
41	21	Payroll			0	0	0	0
42	22	Business			0	0	0	0
43	23	Other			0	0	0	0
44	24	State Corporation Franchise			64	43	1	108
45	25	Federal Income			139	93	2	234
46	-----							
47	26	Total Taxes			203	135	3	342
48	-----							
49	27	Depreciation			0	0	0	0
50	28	Fossil Decommissioning			0	0	0	0
51	29	Nuclear Decommissioning			226,715	151,141	3,791	381,647
52	-----							
53	30	Total Operating Expenses			229,495	152,994	3,838	386,328
54	-----							
55	31	Net for Return			745	497	12	1,254
56	-----							
57	32	Rate Base			9,687	6,458	162	16,307
58	-----							
59	RATE OF RETURN:							
60	33	On Rate Base			7.69%	7.69%	7.69%	7.69%
61	34	On Equity			10.25%	10.25%	10.25%	10.25%

	A	B	C	D	E	F	G	H
103	Pacific Gas and Electric Company							
104	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)							
105	Workpapers Supporting Chapter 11 - Proprietary Model							
106	Income Tax at Proposed Rates							
107	YEAR 2021							
108	(Thousands of Dollars)							
111	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning	Total
113				(A)	(B)	(C)	(D)	
114	1	Revenues		230,240	153,491	3,850	387,582	
115	2	O&M Expenses		2,577	1,718	43	4,339	
116	3	Nuclear Decommissioning Expense		226,715	151,141	3,791	381,647	
117	4	Superfund Tax		0	0	0	0	
118	5	Taxes Other Than Income		0	0	0	0	
119								
120	6	Subtotal		948	632	16	1,596	
121								
122		DEDUCTIONS FROM TAXABLE INCOME:						
123	7	Interest Charges		223	149	4	375	
124	8	Fiscal/Calendar Adjustment		0	0	0	0	
125	9	Operating Expense Adjustments		0	0	0	0	
126	10	Capitalized Interest Adjustment		0	0	0	0	
127	11	Capitalized Inventory Adjustment		0	0	0	0	
128	12	Vacation Accrual Reduction		0	0	0	0	
129	13	Capitalized Other		0	0	0	0	
130								
131	14	Subtotal Deductions		223	149	4	375	
132								
133		CCFT TAXES:						
134	15	State Operating Expense Adjustment		0	0	0	0	
135	16	State Tax Depreciation - Declining Balance		0	0	0	0	
136	17	State Tax Depreciation - Fixed Assets		0	0	0	0	
137	18	State Tax Depreciation - Other		0	0	0	0	
138	19	Removal Costs		0	0	0	0	
139	20	Repair Allowance		0	0	0	0	
140								
141	21	Subtotal Deductions		223	149	4	375	
142								
143	22	Taxable Income for CCFT		725	483	12	1,220	
144								
145	23	CCFT		64	43	1	108	
146	24	State Tax Adjustment		0	0	0	0	
147								
148	25	Current CCFT		64	43	1	108	
149	26	Deferred Taxes -Reg Asset		0	0	0	0	
150	27	Deferred Taxes - Interest		0	0	0	0	
151	28	Deferred Taxes - Vacation		0	0	0	0	
152	29	Deferred Taxes - Other		0	0	0	0	
153	30	Deferred Taxes - Fixed Assets		0	0	0	0	
154								
155	31	Total CCFT		64	43	1	108	
156								
157		FEDERAL TAXES:						
158	32	CCFT - Prior Year		64	43	1	108	
159	33	Federal Operating Expense Adjustment		0	0	0	0	
160	34	Fed. Tax Depreciation - Declining Balance		0	0	0	0	
161	35	Federal Tax Depreciation - SLRL		0	0	0	0	
162	36	Federal Tax Depreciation - Fixed Assets		0	0	0	0	
163	37	Federal Tax Depreciation - Other		0	0	0	0	
164	38	Removal Costs		0	0	0	0	
165	39	Repair Allowance		0	0	0	0	
166	40	Preferred Dividend Credit		0	0	0	0	
167								
168	41	Subtotal Deductions		287	191	5	483	
169								
170	42	Taxable Income for FIT		661	441	11	1,113	
171								
172	43	Federal Income Tax		139	93	2	234	
173	44	Deferred Taxes - Reg Asset		0	0	0	0	
174	45	Tax Deduction for Mfg Activities		0	0	0	0	
175	46	Deferred Taxes - Interest		0	0	0	0	
176	47	Deferred Taxes - Vacation		0	0	0	0	
177	48	Deferred Taxes - Other		0	0	0	0	
178	49	Deferred Taxes - Fixed Assets		0	0	0	0	
179								
180	50	Total Federal Income Tax		139	93	2	234	

	J	K	L	M	N	O	P	
3	Pacific Gas and Electric Company							
4	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)							
5	Workpapers Supporting Chapter 11 - Proprietary Model							
6	Results of Operations at Present Rates							
7	YEAR 2021							
8	(Thousands of Dollars)							
11	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning	
12	-----							
13				(A)	(B)	(C)		
14		REVENUE:						
15	1	Revenue at Effective Rates			0	0	63,386	
16	2	Less Non-General Revenue			0	0	0	
17	-----							
18	3	Adopted Revenue			0	0	63,386	
19		OPERATING EXPENSES:						
20	4	Energy Costs			0	0	0	
21	5	Other Production			0	0	0	
22	6	Storage			0	0	0	
23	7	Transmission			0	0	0	
24	8	Distribution			0	0	0	
25	9	Customer Accounts			0	0	0	
26	10	Uncollectibles			0	0	215	
27	11	Customer Services			0	0	0	
28	12	Administrative and General			0	0	0	
29	13	Franchise & SFGR Tax Requirement			0	0	495	
30	14	Project Amortization			0	0	0	
31	15	Wage Change Impacts			0	0	0	
32	16	Other Price Change Impacts			0	0	0	
33	17	Other Adjustments			0	0	0	
34	-----							
35	18	Subtotal Expenses:			0	0	710	
36		TAXES:						
37	19	Superfund			0	0	0	
38	20	Property			0	0	0	
39	21	Payroll			0	0	0	
40	22	Business			0	0	0	
41	23	Other			0	0	0	
42	24	State Corporation Franchise			(20,061)	(13,374)	5,205	
43	25	Federal Income			(43,444)	(28,962)	11,272	
44	-----							
45	26	Total Taxes			(63,505)	(42,336)	16,477	
46								
47	27	Depreciation			0	0	0	
48	28	Fossil Decommissioning			0	0	0	
49	29	Nuclear Decommissioning			226,715	151,141	3,791	
50	-----							
51	30	Total Operating Expenses			163,210	108,805	20,978	
52								
53	31	Net for Return			(163,210)	(108,805)	42,408	
54								
55	32	Rate Base			9,687	6,458	162	
56								
57								

	J	K	L	M	N	O	P
103	Pacific Gas and Electric Company						
104	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
105	Workpapers Supporting Chapter 11 - Proprietary Model						
106	Income Tax at Present Rates						
107	YEAR 2021						
108	(Thousands of Dollars)						
111	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Nuclear Decommissioning
112					(A)	(B)	(C)
113							
114	1	Revenues			0	0	63,386
115	2	O&M Expenses			0	0	710
116	3	Nuclear Decommissioning Expense			226,715	151,141	3,791
117	4	Superfund Tax			0	0	0
118	5	Taxes Other Than Income			0	0	0
119							
120	6	Subtotal			(226,715)	(151,141)	58,885
121							
122		DEDUCTIONS FROM TAXABLE INCOME:					
123	7	Interest Charges			223	149	4
124	8	Fiscal/Calendar Adjustment			0	0	0
125	9	Operating Expense Adjustments			0	0	0
126	10	Capitalized Interest Adjustment			0	0	0
127	11	Capitalized Inventory Adjustment			0	0	0
128	12	Vacation Accrual Reduction			0	0	0
129	13	Capitalized Other			0	0	0
130							
131	14	Subtotal Deductions			223	149	4
132							
133		CCFT TAXES:					
134	15	State Operating Expense Adjustment			0	0	0
135	16	State Tax Depreciation - Declining Balance			0	0	0
136	17	State Tax Depreciation - Fixed Assets			0	0	0
137	18	State Tax Depreciation - Other			0	0	0
138	19	Removal Costs			0	0	0
139	20	Repair Allowance			0	0	0
140							
141	21	Subtotal Deductions			223	149	4
142							
143	22	Taxable Income for CCFT			(226,938)	(151,289)	58,881
144							
145	23	CCFT			(20,061)	(13,374)	5,205
146	24	State Tax Adjustment			0	0	0
147							
148	25	Current CCFT			(20,061)	(13,374)	5,205
149	26	Deferred Taxes - Reg Asset			0	0	0
150	27	Deferred Taxes - Interest			0	0	0
151	28	Deferred Taxes - Vacation			0	0	0
152	29	Deferred Taxes - Other			0	0	0
153	30	Deferred Taxes - Fixed Assets			0	0	0
154							
155	31	Total CCFT			(20,061)	(13,374)	5,205
156							
157		FEDERAL TAXES:					
158	32	CCFT - Prior Year			(20,061)	(13,374)	5,205
159	33	Federal Operating Expense Adjustment			0	0	0
160	34	Fed. Tax Depreciation - Declining Balance			0	0	0
161	35	Federal Tax Depreciation - SLRL			0	0	0
162	36	Federal Tax Depreciation - Fixed Assets			0	0	0
163	37	Federal Tax Depreciation - Other			0	0	0
164	38	Removal Costs			0	0	0
165	39	Repair Allowance			0	0	0
166	40	Preferred Dividend Credit			0	0	0
167							
168	41	Subtotal Deductions			(19,839)	(13,225)	5,209
169							
170	42	Taxable Income for FIT			(206,877)	(137,915)	53,676
171							
172	43	Federal Income Tax			(43,444)	(28,962)	11,272
173	44	Deferred Taxes - Reg Asset			0	0	0
174	45	Flowback of Excess Deferred Taxes			0	0	0
175	46	Deferred Taxes - Interest			0	0	0
176	47	Deferred Taxes - Vacation			0	0	0
177	48	Deferred Taxes - Other			0	0	0
178	49	Deferred Taxes - Fixed Assets			0	0	0
179							
180	50	Total Federal Income Tax			(43,444)	(28,962)	11,272

	R	S	T	U	V	W	X
3	Pacific Gas and Electric Company						
4	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
5	Workpapers Supporting Chapter 11 - Proprietary Model						
6	Rate Base						
7	YEAR 2021						
8	(Thousands of Dollars)						
11	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning
12	-----						
13				(A)	(B)	(C)	
14	WEIGHTED AVERAGE PLANT:						
15	1	Plant			0	0	0
16	2	Plant Held for Future Use			0	0	0
17	3	Common Plant - Allocation			0	0	0
18	4	Common Plant Held for Future Use			0	0	0
19	-----						
20	5	Total Weighted Average Plant			0	0	0
21	-----						
22	WORKING CAPITAL:						
23	6	Material and Supplies - Fuel			0	0	0
24	7	Material and Supplies - Other			0	0	0
25	8	Working Cash			9,687	6,458	162
26	-----						
27	9	Total Working Capital			9,687	6,458	162
28	-----						
29	ADJUSTMENTS FOR TAX REFORM ACT:						
30	10	Deferred Capitalized Interest			0	0	0
31	11	Deferred Vacation			0	0	0
32	12	Deferred CIAC Tax Effects			0	0	0
33	-----						
34	13	Total Adjustments			0	0	0
35	-----						
36	LESS DEDUCTIONS:						
37	14	Customer Advances			0	0	0
38	15	Accumulated Deferred Taxes - Reg Asset			0	0	0
39	16	Accumulated Deferred Taxes - ACRS			0	0	0
40	17	Accumulated Deferred Taxes - Other			0	0	0
41	18	Deferred ITC			0	0	0
42	19	Deferred Tax - Other			0	0	0
43	-----						
44	20	Total Deductions			0	0	0
45	-----						
46	-----						
47	21	DEPRECIATION RESERVE			0	0	0
48	-----						
49	-----						
50	22	TOTAL RATE BASE			9,687	6,458	162
51	=====						
52	23	CPUC Jurisdictional			9,687	6,458	162

	A	B	C	D	E	F	G	H
3	Pacific Gas and Electric Company							
4	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)							
5	Workpapers Supporting Chapter 11 - Proprietary Model							
6	Results of Operations at Proposed Rates							
7	YEAR 2022							
8	(Thousands of Dollars)							
11	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning	Total
12	-----							
13				(A)	(B)	(C)	(D)	
14	REVENUE:							
15	1	Revenue at Effective Rates			230,240	153,491	3,850	387,582
16	2	Less Non-General Revenue			0	0	0	0
17	-----							
18	3	NDCTP Revenue			230,240	153,491	3,850	387,582
19	-----							
20	OPERATING EXPENSES:							
21	4	Energy Costs			0	0	0	0
22	5	Other Production			0	0	0	0
23	6	Storage			0	0	0	0
24	7	Transmission			0	0	0	0
25	8	Distribution			0	0	0	0
26	9	Customer Accounts			0	0	0	0
27	10	Uncollectibles			779	520	13	1,312
28	11	Customer Services			0	0	0	0
29	12	Administrative and General			0	0	0	0
30	13	Franchise & SFGR Tax Requirement			1,798	1,199	30	3,027
31	14	Project Amortization			0	0	0	0
32	15	Wage Change Impacts			0	0	0	0
33	16	Other Price Change Impacts			0	0	0	0
34	17	Other Adjustments			0	0	0	0
35	-----							
36	18	Subtotal Expenses:			2,577	1,718	43	4,339
37	-----							
38	TAXES:							
39	19	Superfund			0	0	0	0
40	20	Property			0	0	0	0
41	21	Payroll			0	0	0	0
42	22	Business			0	0	0	0
43	23	Other			0	0	0	0
44	24	State Corporation Franchise			64	43	1	108
45	25	Federal Income			139	93	2	234
46	-----							
47	26	Total Taxes			203	135	3	342
48	-----							
49	27	Depreciation			0	0	0	0
50	28	Fossil Decommissioning			0	0	0	0
51	29	Nuclear Decommissioning			226,715	151,141	3,791	381,647
52	-----							
53	30	Total Operating Expenses			229,495	152,994	3,838	386,328
54	-----							
55	31	Net for Return			745	497	12	1,254
56	-----							
57	32	Rate Base			9,687	6,458	162	16,307
58	-----							
59	RATE OF RETURN:							
60	33	On Rate Base			7.69%	7.69%	7.69%	7.69%
61	34	On Equity			10.25%	10.25%	10.25%	10.25%

	A	B	C	D	E	F	G	H
103	Pacific Gas and Electric Company							
104	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)							
105	Workpapers Supporting Chapter 11 - Proprietary Model							
106	Income Tax at Proposed Rates							
107	YEAR 2022							
108	(Thousands of Dollars)							
111	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning	Total
112	-----							
113				(A)	(B)	(C)	(D)	
114	1	Revenues		230,240	153,491	3,850	387,582	
115	2	O&M Expenses		2,577	1,718	43	4,339	
116	3	Nuclear Decommissioning Expense		226,715	151,141	3,791	381,647	
117	4	Superfund Tax		0	0	0	0	
118	5	Taxes Other Than Income		0	0	0	0	
119	-----							
120	6	Subtotal		948	632	16	1,596	
121	-----							
122	DEDUCTIONS FROM TAXABLE INCOME:							
123	7	Interest Charges		223	149	4	375	
124	8	Fiscal/Calendar Adjustment		0	0	0	0	
125	9	Operating Expense Adjustments		0	0	0	0	
126	10	Capitalized Interest Adjustment		0	0	0	0	
127	11	Capitalized Inventory Adjustment		0	0	0	0	
128	12	Vacation Accrual Reduction		0	0	0	0	
129	13	Capitalized Other		0	0	0	0	
130	-----							
131	14	Subtotal Deductions		223	149	4	375	
132	-----							
133	CCFT TAXES:							
134	15	State Operating Expense Adjustment		0	0	0	0	
135	16	State Tax Depreciation - Declining Balance		0	0	0	0	
136	17	State Tax Depreciation - Fixed Assets		0	0	0	0	
137	18	State Tax Depreciation - Other		0	0	0	0	
138	19	Removal Costs		0	0	0	0	
139	20	Repair Allowance		0	0	0	0	
140	-----							
141	21	Subtotal Deductions		223	149	4	375	
142	-----							
143	22	Taxable Income for CCFT		725	483	12	1,220	
144	-----							
145	23	CCFT		64	43	1	108	
146	24	State Tax Adjustment		0	0	0	0	
147	-----							
148	25	Current CCFT		64	43	1	108	
149	26	Deferred Taxes -Reg Asset		0	0	0	0	
150	27	Deferred Taxes - Interest		0	0	0	0	
151	28	Deferred Taxes - Vacation		0	0	0	0	
152	29	Deferred Taxes - Other		0	0	0	0	
153	30	Deferred Taxes - Fixed Assets		0	0	0	0	
154	-----							
155	31	Total CCFT		64	43	1	108	
156	-----							
157	FEDERAL TAXES:							
158	32	CCFT - Prior Year		64	43	1	108	
159	33	Federal Operating Expense Adjustment		0	0	0	0	
160	34	Fed. Tax Depreciation - Declining Balance		0	0	0	0	
161	35	Federal Tax Depreciation - SLRL		0	0	0	0	
162	36	Federal Tax Depreciation - Fixed Assets		0	0	0	0	
163	37	Federal Tax Depreciation - Other		0	0	0	0	
164	38	Removal Costs		0	0	0	0	
165	39	Repair Allowance		0	0	0	0	
166	40	Preferred Dividend Credit		0	0	0	0	
167	-----							
168	41	Subtotal Deductions		287	191	5	483	
169	-----							
170	42	Taxable Income for FIT		661	441	11	1,113	
171	-----							
172	43	Federal Income Tax		139	93	2	234	
173	44	Deferred Taxes - Reg Asset		0	0	0	0	
174	45	Tax Deduction for Mfg Activities		0	0	0	0	
175	46	Deferred Taxes - Interest		0	0	0	0	
176	47	Deferred Taxes - Vacation		0	0	0	0	
177	48	Deferred Taxes - Other		0	0	0	0	
178	49	Deferred Taxes - Fixed Assets		0	0	0	0	
179	-----							
180	50	Total Federal Income Tax		139	93	2	234	

	J	K	L	M	N	O	P	
3	Pacific Gas and Electric Company							
4	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)							
5	Workpapers Supporting Chapter 11 - Proprietary Model							
6	Results of Operations at Present Rates							
7	YEAR 2022							
8	(Thousands of Dollars)							
11	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning	
12	-----							
13				(A)	(B)	(C)		
14		REVENUE:						
15	1	Revenue at Effective Rates			0	0	63,386	
16	2	Less Non-General Revenue			0	0	0	
17	-----							
18	3	Adopted Revenue			0	0	63,386	
19		OPERATING EXPENSES:						
20	4	Energy Costs			0	0	0	
21	5	Other Production			0	0	0	
22	6	Storage			0	0	0	
23	7	Transmission			0	0	0	
24	8	Distribution			0	0	0	
25	9	Customer Accounts			0	0	0	
26	10	Uncollectibles			0	0	215	
27	11	Customer Services			0	0	0	
28	12	Administrative and General			0	0	0	
29	13	Franchise & SFGR Tax Requirement			0	0	495	
30	14	Project Amortization			0	0	0	
31	15	Wage Change Impacts			0	0	0	
32	16	Other Price Change Impacts			0	0	0	
33	17	Other Adjustments			0	0	0	
34	-----							
35	18	Subtotal Expenses:			0	0	710	
36		TAXES:						
37	19	Superfund			0	0	0	
38	20	Property			0	0	0	
39	21	Payroll			0	0	0	
40	22	Business			0	0	0	
41	23	Other			0	0	0	
42	24	State Corporation Franchise			(20,061)	(13,374)	5,205	
43	25	Federal Income			(43,444)	(28,962)	11,272	
44	-----							
45	26	Total Taxes			(63,505)	(42,336)	16,477	
46	27	Depreciation			0	0	0	
47	28	Fossil Decommissioning			0	0	0	
48	29	Nuclear Decommissioning			226,715	151,141	3,791	
49	-----							
50	30	Total Operating Expenses			163,210	108,805	20,978	
51	31	Net for Return			(163,210)	(108,805)	42,408	
52	32	Rate Base			9,687	6,458	162	

	J	K	L	M	N	O	P
103	Pacific Gas and Electric Company						
104	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
105	Workpapers Supporting Chapter 11 - Proprietary Model						
106	Income Tax at Present Rates						
107	YEAR 2022						
108	(Thousands of Dollars)						
111	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Nuclear Decommissioning
112	<hr/>						
113				(A)	(B)	(C)	
114	1	Revenues		0	0		63,386
115	2	O&M Expenses		0	0		710
116	3	Nuclear Decommissioning Expense		226,715	151,141		3,791
117	4	Superfund Tax		0	0		0
118	5	Taxes Other Than Income		0	0		0
119	<hr/>						
120	6	Subtotal		(226,715)	(151,141)		58,885
121	<hr/>						
122	DEDUCTIONS FROM TAXABLE INCOME:						
123	7	Interest Charges		223	149		4
124	8	Fiscal/Calendar Adjustment		0	0		0
125	9	Operating Expense Adjustments		0	0		0
126	10	Capitalized Interest Adjustment		0	0		0
127	11	Capitalized Inventory Adjustment		0	0		0
128	12	Vacation Accrual Reduction		0	0		0
129	13	Capitalized Other		0	0		0
130	<hr/>						
131	14	Subtotal Deductions		223	149		4
132	<hr/>						
133	CCFT TAXES:						
134	15	State Operating Expense Adjustment		0	0		0
135	16	State Tax Depreciation - Declining Balance		0	0		0
136	17	State Tax Depreciation - Fixed Assets		0	0		0
137	18	State Tax Depreciation - Other		0	0		0
138	19	Removal Costs		0	0		0
139	20	Repair Allowance		0	0		0
140	<hr/>						
141	21	Subtotal Deductions		223	149		4
142	<hr/>						
143	22	Taxable Income for CCFT		(226,938)	(151,289)		58,881
144	<hr/>						
145	23	CCFT		(20,061)	(13,374)		5,205
146	24	State Tax Adjustment		0	0		0
147	<hr/>						
148	25	Current CCFT		(20,061)	(13,374)		5,205
149	26	Deferred Taxes - Reg Asset		0	0		0
150	27	Deferred Taxes - Interest		0	0		0
151	28	Deferred Taxes - Vacation		0	0		0
152	29	Deferred Taxes - Other		0	0		0
153	30	Deferred Taxes - Fixed Assets		0	0		0
154	<hr/>						
155	31	Total CCFT		(20,061)	(13,374)		5,205
156	<hr/>						
157	FEDERAL TAXES:						
158	32	CCFT - Prior Year		(20,061)	(13,374)		5,205
159	33	Federal Operating Expense Adjustment		0	0		0
160	34	Fed. Tax Depreciation - Declining Balance		0	0		0
161	35	Federal Tax Depreciation - SLRL		0	0		0
162	36	Federal Tax Depreciation - Fixed Assets		0	0		0
163	37	Federal Tax Depreciation - Other		0	0		0
164	38	Removal Costs		0	0		0
165	39	Repair Allowance		0	0		0
166	40	Preferred Dividend Credit		0	0		0
167	<hr/>						
168	41	Subtotal Deductions		(19,839)	(13,225)		5,209
169	<hr/>						
170	42	Taxable Income for FIT		(206,877)	(137,915)		53,676
171	<hr/>						
172	43	Federal Income Tax		(43,444)	(28,962)		11,272
173	44	Deferred Taxes - Reg Asset		0	0		0
174	45	Flowback of Excess Deferred Taxes		0	0		0
175	46	Deferred Taxes - Interest		0	0		0
176	47	Deferred Taxes - Vacation		0	0		0
177	48	Deferred Taxes - Other		0	0		0
178	49	Deferred Taxes - Fixed Assets		0	0		0
179	<hr/>						
180	50	Total Federal Income Tax		(43,444)	(28,962)		11,272

	R	S	T	U	V	W	X
3	Pacific Gas and Electric Company						
4	2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
5	Workpapers Supporting Chapter 11 - Proprietary Model						
6	Rate Base						
7	YEAR 2022						
8	(Thousands of Dollars)						
11	Line No.	Description			Diablo Canyon Unit 1 Decommissioning	Diablo Canyon Unit 2 Decommissioning	Humboldt Decommissioning
12	-----						
13				(A)	(B)	(C)	
14	WEIGHTED AVERAGE PLANT:						
15	1	Plant			0	0	0
16	2	Plant Held for Future Use			0	0	0
17	3	Common Plant - Allocation			0	0	0
18	4	Common Plant Held for Future Use			0	0	0
19	-----						
20	5	Total Weighted Average Plant			0	0	0
21	-----						
22	WORKING CAPITAL:						
23	6	Material and Supplies - Fuel			0	0	0
24	7	Material and Supplies - Other			0	0	0
25	8	Working Cash			9,687	6,458	162
26	-----						
27	9	Total Working Capital			9,687	6,458	162
28	-----						
29	ADJUSTMENTS FOR TAX REFORM ACT:						
30	10	Deferred Capitalized Interest			0	0	0
31	11	Deferred Vacation			0	0	0
32	12	Deferred CIAC Tax Effects			0	0	0
33	-----						
34	13	Total Adjustments			0	0	0
35	-----						
36	LESS DEDUCTIONS:						
37	14	Customer Advances			0	0	0
38	15	Accumulated Deferred Taxes - Reg Asset			0	0	0
39	16	Accumulated Deferred Taxes - ACRS			0	0	0
40	17	Accumulated Deferred Taxes - Other			0	0	0
41	18	Deferred ITC			0	0	0
42	19	Deferred Tax - Other			0	0	0
43	-----						
44	20	Total Deductions			0	0	0
45	-----						
46	-----						
47	21	DEPRECIATION RESERVE			0	0	0
48	-----						
49	-----						
50	22	TOTAL RATE BASE			9,687	6,458	162
51	=====						
52	23	CPUC Jurisdictional			9,687	6,458	162

	A	B	C	D	E	F	G	H
1								
2		Pacific Gas and Electric Company						
3		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
4		Workpapers Supporting Chapter 11 - Proprietary Model						
5		Lead Lag Study at Proposed Rates						
6		Humboldt Decommissioning - Year 2020						
7		(Thousands of Dollars)						
8								
9				Average	Avg No of			
10	Line			Daily	Days Lag	Weighted	Rate Base	Line
11	No.	Description	Amount	Amount	in Paying	Average	Impact	No.
12			(A)	(B)	Expenses	(D)	(E)	
13					(C)			
14	1	Natural Gas Purchased	0	0	0.00	0	0	1
15	2	Fuel Oil	0	0	0.00	0	0	2
16	3	Geothermal Steam	0	0	0.00	0	0	3
17	4	Nuclear Fuel	0	0	0.00	0	0	4
18	5	Purchased Power	0	0	0.00	0	0	5
19	6	Depreciation	0	0	0.00	0	0	6
20	7	Decommissioning	3,791	10	26.94	280	180	7
21	8	Federal Income Tax, Current @ Proposed	2	0	86.86	1	(0)	8
22	9	State Corp. Franchise Tax @ Proposed	1	0	75.63	0	(0)	9
23	10	Income Taxes, Deferred	0	0	0.00	0	0	10
24	11	Ad Valorem Tax	0	0	0.00	0	0	11
25	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
26	13	FICA Tax	0	0	0.00	0	0	13
27	14	Federal Unemployment Tax	0	0	0.00	0	0	14
28	15	State Unemployment Tax	0	0	0.00	0	0	15
29	16	Settlements and Claims	0	0	0.00	0	0	16
30	17	Pensions	0	0	0.00	0	0	17
31	18	Savings Fund Plan	0	0	0.00	0	0	18
32	19	Group Life Insurance	0	0	0.00	0	0	19
33	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
34	21	Post-Retirement Medical	0	0	0.00	0	0	21
35	22	Franchise Requirements	30	0	260.00	21	(18)	22
36	23	Payroll	0	0	0.00	0	0	23
37	24	Goods and Services	0	0	0.00	0	0	24
38	25	Materials from Storeroom	0	0	0.00	0	0	25
39	26	Research and Development	0	0	0.00	0	0	26
40	27	Project Amortization	0	0	0.00	0	0	27
41	28	Total	3,825	10	28.82	302	162	28
42								
43	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
44								
45	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
46								
47		Excess No. of Days Lag in the Collection						
48	31	of Revenues over the Payment of Expenses			15.46			31
49								
50	32	Average Daily Operating Expenses		10				32
51								
52		Working Cash Capital Requirement Resulting from						
53		the Lag in the Collection of Revenues Being						
54	33	Greater than the Lag in the Payment of Expenses					162	33

	A	B	C	D	E	F	G	H
57		Pacific Gas and Electric Company						
58		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
59		Workpapers Supporting Chapter 11 - Proprietary Model						
60		Lead Lag Study at Proposed Rates						
61		Diablo Canyon Unit 1 Decommissioning - Year 2020						
62		(Thousands of Dollars)						
63								
64								
65				Average	Avg No of			
66	Line			Daily	Days Lag	Weighted	Rate Base	Line
67	No.	Description	Amount	Amount	Expenses	Average	Impact	No.
68			(A)	(B)	(C)	(D)	(E)	
69								
70	1	Natural Gas Purchased	0	0	0.00	0	0	1
71	2	Fuel Oil	0	0	0.00	0	0	2
72	3	Geothermal Steam	0	0	0.00	0	0	3
73	4	Nuclear Fuel	0	0	0.00	0	0	4
74	5	Purchased Power	0	0	0.00	0	0	5
75	6	Depreciation	0	0	0.00	0	0	6
76	7	Decommissioning	226,715	621	26.94	16,731	10,771	7
77	8	Federal Income Tax, Current @ Proposed	139	0	86.86	33	(16)	8
78	9	State Corp. Franchise Tax @ Proposed	64	0	75.63	13	(6)	9
79	10	Income Taxes, Deferred	0	0	0.00	0	0	10
80	11	Ad Valorem Tax	0	0	0.00	0	0	11
81	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
82	13	FICA Tax	0	0	0.00	0	0	13
83	14	Federal Unemployment Tax	0	0	0.00	0	0	14
84	15	State Unemployment Tax	0	0	0.00	0	0	15
85	16	Settlements and Claims	0	0	0.00	0	0	16
86	17	Pensions	0	0	0.00	0	0	17
87	18	Savings Fund Plan	0	0	0.00	0	0	18
88	19	Group Life Insurance	0	0	0.00	0	0	19
89	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
90	21	Post-Retirement Medical	0	0	0.00	0	0	21
91	22	Franchise Requirements	1,798	5	260.00	1,281	(1,063)	22
92	23	Payroll	0	0	0.00	0	0	23
93	24	Goods and Services	0	0	0.00	0	0	24
94	25	Materials from Storeroom	0	0	0.00	0	0	25
95	26	Research and Development	0	0	0.00	0	0	26
96	27	Project Amortization	0	0	0.00	0	0	27
97	28	Total	228,716	627	28.82	18,058	9,687	28
98								
99	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
100								
101	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
102								
103		Excess No. of Days Lag in the Collection						
104	31	of Revenues over the Payment of Expenses			15.46			31
105								
106	32	Average Daily Operating Expenses		627				32
107								
108		Working Cash Capital Requirement Resulting from						
109		the Lag in the Collection of Revenues Being						
110	33	Greater than the Lag in the Payment of Expenses					9,687	33

	A	B	C	D	E	F	G	H
113		Pacific Gas and Electric Company						
114		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
115		Workpapers Supporting Chapter 11 - Proprietary Model						
116		Lead Lag Study at Proposed Rates						
117		Diablo Canyon Unit 2 Decommissioning - Year 2020						
118		(Thousands of Dollars)						
119								
120								
121				Average	Avg No of			
122	Line			Daily	Days Lag	Weighted	Rate Base	Line
123	No.	Description	Amount	Amount	Expenses	Average	Impact	No.
124			(A)	(B)	(C)	(D)	(E)	
125								
126	1	Natural Gas Purchased	0	0	0.00	0	0	1
127	2	Fuel Oil	0	0	0.00	0	0	2
128	3	Geothermal Steam	0	0	0.00	0	0	3
129	4	Nuclear Fuel	0	0	0.00	0	0	4
130	5	Purchased Power	0	0	0.00	0	0	5
131	6	Depreciation	0	0	0.00	0	0	6
132	7	Decommissioning	151,141	414	26.94	11,154	7,181	7
133	8	Federal Income Tax, Current @ Proposed	93	0	86.86	22	(11)	8
134	9	State Corp. Franchise Tax @ Proposed	43	0	75.63	9	(4)	9
135	10	Income Taxes, Deferred	0	0	0.00	0	0	10
136	11	Ad Valorem Tax	0	0	0.00	0	0	11
137	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
138	13	FICA Tax	0	0	0.00	0	0	13
139	14	Federal Unemployment Tax	0	0	0.00	0	0	14
140	15	State Unemployment Tax	0	0	0.00	0	0	15
141	16	Settlements and Claims	0	0	0.00	0	0	16
142	17	Pensions	0	0	0.00	0	0	17
143	18	Savings Fund Plan	0	0	0.00	0	0	18
144	19	Group Life Insurance	0	0	0.00	0	0	19
145	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
146	21	Post-Retirement Medical	0	0	0.00	0	0	21
147	22	Franchise Requirements	1,199	3	260.00	854	(708)	22
148	23	Payroll	0	0	0.00	0	0	23
149	24	Goods and Services	0	0	0.00	0	0	24
150	25	Materials from Storeroom	0	0	0.00	0	0	25
151	26	Research and Development	0	0	0.00	0	0	26
152	27	Project Amortization	0	0	0.00	0	0	27
153	28	Total	152,475	418	28.82	12,039	6,458	28
154								
155	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
156								
157	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
158								
159		Excess No. of Days Lag in the Collection						
160	31	of Revenues over the Payment of Expenses			15.46			31
161								
162	32	Average Daily Operating Expenses		418				32
163								
164		Working Cash Capital Requirement Resulting from						
165		the Lag in the Collection of Revenues Being						
166	33	Greater than the Lag in the Payment of Expenses					6,458	33

	J	K	L	M	N	O	P	Q
1		Pacific Gas and Electric Company						
2		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
3		Workpapers Supporting Chapter 11 - Proprietary Model						
4		Lead Lag Study at Proposed Rates						
5		Humboldt Decommissioning - Year 2021						
6		(Thousands of Dollars)						
7								
8								
9								
10	Line			Average	Avg No of			
11	No.	Description	Amount	Daily	Days Lag	Weighted	Rate Base	Line
12			(A)	Amount	in Paying	Average	Impact	No.
13				(B)	Expenses	(D)	(E)	
14	1	Natural Gas Purchased	0	0	0.00	0	0	1
15	2	Fuel Oil	0	0	0.00	0	0	2
16	3	Geothermal Steam	0	0	0.00	0	0	3
17	4	Nuclear Fuel	0	0	0.00	0	0	4
18	5	Purchased Power	0	0	0.00	0	0	5
19	6	Depreciation	0	0	0.00	0	0	6
20	7	Decommissioning	3,791	10	26.94	280	180	7
21	8	Federal Income Tax, Current @ Proposed	2	0	86.86	1	(0)	8
22	9	State Corp. Franchise Tax @ Proposed	1	0	75.63	0	(0)	9
23	10	Income Taxes, Deferred	0	0	0.00	0	0	10
24	11	Ad Valorem Tax	0	0	0.00	0	0	11
25	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
26	13	FICA Tax	0	0	0.00	0	0	13
27	14	Federal Unemployment Tax	0	0	0.00	0	0	14
28	15	State Unemployment Tax	0	0	0.00	0	0	15
29	16	Settlements and Claims	0	0	0.00	0	0	16
30	17	Pensions	0	0	0.00	0	0	17
31	18	Savings Fund Plan	0	0	0.00	0	0	18
32	19	Group Life Insurance	0	0	0.00	0	0	19
33	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
34	21	Post-Retirement Medical	0	0	0.00	0	0	21
35	22	Franchise Requirements	30	0	260.00	21	(18)	22
36	23	Payroll	0	0	0.00	0	0	23
37	24	Goods and Services	0	0	0.00	0	0	24
38	25	Materials from Storeroom	0	0	0.00	0	0	25
39	26	Research and Development	0	0	0.00	0	0	26
40	27	Project Amortization	0	0	0.00	0	0	27
41	28	Total	3,825	10	28.82	302	162	28
42								
43	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
44								
45	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
46								
47		Excess No. of Days Lag in the Collection						
48	31	of Revenues over the Payment of Expenses			15.46			31
49								
50	32	Average Daily Operating Expenses		10				32
51								
52		Working Cash Capital Requirement Resulting from						
53		the Lag in the Collection of Revenues Being						
54	33	Greater than the Lag in the Payment of Expenses					162	33

	J	K	L	M	N	O	P	Q
57		Pacific Gas and Electric Company						
58		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
59		Workpapers Supporting Chapter 11 - Proprietary Model						
60		Lead Lag Study at Proposed Rates						
61		Diablo Canyon Unit 1 Decommissioning - Year 2021						
62		(Thousands of Dollars)						
63								
64								
65								
66	Line			Average	Avg No of			
67	No.	Description	Amount	Daily	Days Lag	Weighted	Rate Base	Line
68			(A)	Amount	in Paying	Average	Impact	No.
69				(B)	Expenses	(D)	(E)	
70	1	Natural Gas Purchased	0	0	0.00	0	0	1
71	2	Fuel Oil	0	0	0.00	0	0	2
72	3	Geothermal Steam	0	0	0.00	0	0	3
73	4	Nuclear Fuel	0	0	0.00	0	0	4
74	5	Purchased Power	0	0	0.00	0	0	5
75	6	Depreciation	0	0	0.00	0	0	6
76	7	Decommissioning	226,715	621	26.94	16,731	10,771	7
77	8	Federal Income Tax, Current @ Proposed	139	0	87	33	(16)	8
78	9	State Corp. Franchise Tax @ Proposed	64	0	76	13	(6)	9
79	10	Income Taxes, Deferred	0	0	0.00	0	0	10
80	11	Ad Valorem Tax	0	0	0.00	0	0	11
81	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
82	13	FICA Tax	0	0	0.00	0	0	13
83	14	Federal Unemployment Tax	0	0	0.00	0	0	14
84	15	State Unemployment Tax	0	0	0.00	0	0	15
85	16	Settlements and Claims	0	0	0.00	0	0	16
86	17	Pensions	0	0	0.00	0	0	17
87	18	Savings Fund Plan	0	0	0.00	0	0	18
88	19	Group Life Insurance	0	0	0.00	0	0	19
89	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
90	21	Post-Retirement Medical	0	0	0.00	0	0	21
91	22	Franchise Requirements	1,798	5	260.00	1,281	(1,063)	22
92	23	Payroll	0	0	0.00	0	0	23
93	24	Goods and Services	0	0	0.00	0	0	24
94	25	Materials from Storeroom	0	0	0.00	0	0	25
95	26	Research and Development	0	0	0.00	0	0	26
96	27	Project Amortization	0	0	0.00	0	0	27
97	28	Total	228,716	627	28.82	18,058	9,687	28
98								
99	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
100								
101	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
102								
103		Excess No. of Days Lag in the Collection						
104	31	of Revenues over the Payment of Expenses			15.46			31
105								
106	32	Average Daily Operating Expenses		627				32
107								
108		Working Cash Capital Requirement Resulting from						
109		the Lag in the Collection of Revenues Being						
110	33	Greater than the Lag in the Payment of Expenses					9,687	33

	J	K	L	M	N	O	P	Q
113		Pacific Gas and Electric Company						
114		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
115		Workpapers Supporting Chapter 11 - Proprietary Model						
116		Lead Lag Study at Proposed Rates						
117		Diablo Canyon Unit 2 Decommissioning - Year 2021						
118		(Thousands of Dollars)						
119								
120								
121								
122	Line			Average	Avg No of			
123	No.	Description	Amount	Daily	Days Lag	Weighted	Rate Base	Line
124			(A)	Amount	in Paying	Average	Impact	No.
125				(B)	Expenses	(D)	(E)	
126	1	Natural Gas Purchased	0	0	0.00	0	0	1
127	2	Fuel Oil	0	0	0.00	0	0	2
128	3	Geothermal Steam	0	0	0.00	0	0	3
129	4	Nuclear Fuel	0	0	0.00	0	0	4
130	5	Purchased Power	0	0	0.00	0	0	5
131	6	Depreciation	0	0	0.00	0	0	6
132	7	Decommissioning	151,141	414	26.94	11,154	7,181	7
133	8	Federal Income Tax, Current @ Proposed	93	0	86.86	22	(11)	8
134	9	State Corp. Franchise Tax @ Proposed	43	0	75.63	9	(4)	9
135	10	Income Taxes, Deferred	0	0	0.00	0	0	10
136	11	Ad Valorem Tax	0	0	0.00	0	0	11
137	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
138	13	FICA Tax	0	0	0.00	0	0	13
139	14	Federal Unemployment Tax	0	0	0.00	0	0	14
140	15	State Unemployment Tax	0	0	0.00	0	0	15
141	16	Settlements and Claims	0	0	0.00	0	0	16
142	17	Pensions	0	0	0.00	0	0	17
143	18	Savings Fund Plan	0	0	0.00	0	0	18
144	19	Group Life Insurance	0	0	0.00	0	0	19
145	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
146	21	Post-Retirement Medical	0	0	0.00	0	0	21
147	22	Franchise Requirements	1,199	3	260.00	854	(708)	22
148	23	Payroll	0	0	0.00	0	0	23
149	24	Goods and Services	0	0	0.00	0	0	24
150	25	Materials from Storeroom	0	0	0.00	0	0	25
151	26	Research and Development	0	0	0.00	0	0	26
152	27	Project Amortization	0	0	0.00	0	0	27
153	28	Total	152,475	418	28.82	12,039	6,458	28
154								
155	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
156								
157	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
158								
159		Excess No. of Days Lag in the Collection						
160	31	of Revenues over the Payment of Expenses			15.46			31
161								
162	32	Average Daily Operating Expenses		418				32
163								
164		Working Cash Capital Requirement Resulting from						
165		the Lag in the Collection of Revenues Being						
166	33	Greater than the Lag in the Payment of Expenses					6,458	33

	S	T	U	V	W	X	Y	Z
1								
2		Pacific Gas and Electric Company						
3		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
4		Workpapers Supporting Chapter 11 - Proprietary Model						
5		Lead Lag Study at Proposed Rates						
6		Humboldt Decommissioning - Year 2022						
7		(Thousands of Dollars)						
8								
9								
10	Line			Average	Avg No of			
11	No.	Description	Amount	Daily	Days Lag	Weighted	Rate Base	Line
12			(A)	Amount	in Paying	Average	Impact	No.
13				(B)	Expenses	(D)	(E)	
14	1	Natural Gas Purchased	0	0	0.00	0	0	1
15	2	Fuel Oil	0	0	0.00	0	0	2
16	3	Geothermal Steam	0	0	0.00	0	0	3
17	4	Nuclear Fuel	0	0	0.00	0	0	4
18	5	Purchased Power	0	0	0.00	0	0	5
19	6	Depreciation	0	0	0.00	0	0	6
20	7	Decommissioning	3,791	10	26.94	280	180	7
21	8	Federal Income Tax, Current @ Proposed	2	0	86.86	1	(0)	8
22	9	State Corp. Franchise Tax @ Proposed	1	0	75.63	0	(0)	9
23	10	Income Taxes, Deferred	0	0	0.00	0	0	10
24	11	Ad Valorem Tax	0	0	0.00	0	0	11
25	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
26	13	FICA Tax	0	0	0.00	0	0	13
27	14	Federal Unemployment Tax	0	0	0.00	0	0	14
28	15	State Unemployment Tax	0	0	0.00	0	0	15
29	16	Settlements and Claims	0	0	0.00	0	0	16
30	17	Pensions	0	0	0.00	0	0	17
31	18	Savings Fund Plan	0	0	0.00	0	0	18
32	19	Group Life Insurance	0	0	0.00	0	0	19
33	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
34	21	Post-Retirement Medical	0	0	0.00	0	0	21
35	22	Franchise Requirements	30	0	260.00	21	(18)	22
36	23	Payroll	0	0	0.00	0	0	23
37	24	Goods and Services	0	0	0.00	0	0	24
38	25	Materials from Storeroom	0	0	0.00	0	0	25
39	26	Research and Development	0	0	0.00	0	0	26
40	27	Project Amortization	0	0	0.00	0	0	27
41	28	Total	3,825	10	28.82	302	162	28
42								
43	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
44								
45	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
46								
47		Excess No. of Days Lag in the Collection						
48	31	of Revenues over the Payment of Expenses			15.46			31
49								
50	32	Average Daily Operating Expenses		10				32
51								
52		Working Cash Capital Requirement Resulting from						
53		the Lag in the Collection of Revenues Being						
54	33	Greater than the Lag in the Payment of Expenses					162	33

	S	T	U	V	W	X	Y	Z
57		Pacific Gas and Electric Company						
58		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
59		Workpapers Supporting Chapter 11 - Proprietary Model						
60		Lead Lag Study at Proposed Rates						
61		Diablo Canyon Unit 1 Decommissioning - Year 2022						
62		(Thousands of Dollars)						
63								
64								
65								
66	Line			Average	Avg No of			
67	No.	Description	Amount	Daily	Days Lag	Weighted	Rate Base	Line
68			(A)	Amount	in Paying	Average	Impact	No.
69				(B)	Expenses	(D)	(E)	
70	1	Natural Gas Purchased	0	0	0.00	0	0	1
71	2	Fuel Oil	0	0	0.00	0	0	2
72	3	Geothermal Steam	0	0	0.00	0	0	3
73	4	Nuclear Fuel	0	0	0.00	0	0	4
74	5	Purchased Power	0	0	0.00	0	0	5
75	6	Depreciation	0	0	0.00	0	0	6
76	7	Decommissioning	226,715	621	26.94	16,731	10,771	7
77	8	Federal Income Tax, Current @ Proposed	139	0	86.86	33	(16)	8
78	9	State Corp. Franchise Tax @ Proposed	64	0	75.63	13	(6)	9
79	10	Income Taxes, Deferred	0	0	0.00	0	0	10
80	11	Ad Valorem Tax	0	0	0.00	0	0	11
81	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
82	13	FICA Tax	0	0	0.00	0	0	13
83	14	Federal Unemployment Tax	0	0	0.00	0	0	14
84	15	State Unemployment Tax	0	0	0.00	0	0	15
85	16	Settlements and Claims	0	0	0.00	0	0	16
86	17	Pensions	0	0	0.00	0	0	17
87	18	Savings Fund Plan	0	0	0.00	0	0	18
88	19	Group Life Insurance	0	0	0.00	0	0	19
89	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
90	21	Post-Retirement Medical	0	0	0.00	0	0	21
91	22	Franchise Requirements	1,798	5	260.00	1,281	(1,063)	22
92	23	Payroll	0	0	0.00	0	0	23
93	24	Goods and Services	0	0	0.00	0	0	24
94	25	Materials from Storeroom	0	0	0.00	0	0	25
95	26	Research and Development	0	0	0.00	0	0	26
96	27	Project Amortization	0	0	0.00	0	0	27
97	28	Total	228,716	627	28.82	18,058	9,687	28
98								
99	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
100								
101	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
102								
103		Excess No. of Days Lag in the Collection						
104	31	of Revenues over the Payment of Expenses			15.46			31
105								
106	32	Average Daily Operating Expenses		627				32
107								
108		Working Cash Capital Requirement Resulting from						
109		the Lag in the Collection of Revenues Being						
110	33	Greater than the Lag in the Payment of Expenses					9,687	33

	S	T	U	V	W	X	Y	Z
113		Pacific Gas and Electric Company						
114		2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)						
115		Workpapers Supporting Chapter 11 - Proprietary Model						
116		Lead Lag Study at Proposed Rates						
117		Diablo Canyon Unit 2 Decommissioning - Year 2022						
118		(Thousands of Dollars)						
119								
120								
121								
122	Line			Average	Avg No of			
123	No.	Description	Amount	Daily	Days Lag	Weighted	Rate Base	Line
124			(A)	Amount	in Paying	Average	Impact	No.
125				(B)	Expenses	(D)	(E)	
126	1	Natural Gas Purchased	0	0	0.00	0	0	1
127	2	Fuel Oil	0	0	0.00	0	0	2
128	3	Geothermal Steam	0	0	0.00	0	0	3
129	4	Nuclear Fuel	0	0	0.00	0	0	4
130	5	Purchased Power	0	0	0.00	0	0	5
131	6	Depreciation	0	0	0.00	0	0	6
132	7	Decommissioning	151,141	414	26.94	11,154	7,181	7
133	8	Federal Income Tax, Current @ Proposed	93	0	86.86	22	(11)	8
134	9	State Corp. Franchise Tax @ Proposed	43	0	75.63	9	(4)	9
135	10	Income Taxes, Deferred	0	0	0.00	0	0	10
136	11	Ad Valorem Tax	0	0	0.00	0	0	11
137	12	S.F. Payroll Expense Tax	0	0	0.00	0	0	12
138	13	FICA Tax	0	0	0.00	0	0	13
139	14	Federal Unemployment Tax	0	0	0.00	0	0	14
140	15	State Unemployment Tax	0	0	0.00	0	0	15
141	16	Settlements and Claims	0	0	0.00	0	0	16
142	17	Pensions	0	0	0.00	0	0	17
143	18	Savings Fund Plan	0	0	0.00	0	0	18
144	19	Group Life Insurance	0	0	0.00	0	0	19
145	20	Health, Vision & Dental Plans	0	0	0.00	0	0	20
146	21	Post-Retirement Medical	0	0	0.00	0	0	21
147	22	Franchise Requirements	1,199	3	260.00	854	(708)	22
148	23	Payroll	0	0	0.00	0	0	23
149	24	Goods and Services	0	0	0.00	0	0	24
150	25	Materials from Storeroom	0	0	0.00	0	0	25
151	26	Research and Development	0	0	0.00	0	0	26
152	27	Project Amortization	0	0	0.00	0	0	27
153	28	Total	152,475	418	28.82	12,039	6,458	28
154								
155	29	Avg No of Days Lag in the Collection of Revenue			44.28			29
156								
157	30	Less Avg No of Days Lag in the Payment of Expense			28.82			30
158								
159		Excess No. of Days Lag in the Collection						
160	31	of Revenues over the Payment of Expenses			15.46			31
161								
162	32	Average Daily Operating Expenses		418				32
163								
164		Working Cash Capital Requirement Resulting from						
165		the Lag in the Collection of Revenues Being						
166	33	Greater than the Lag in the Payment of Expenses					6,458	33