



PG&E Corporation[®]

SECOND QUARTER EARNINGS CALL

July 27, 2017

Forward Looking Statements



Statements contained in this presentation about future performance, including forecasts and estimates of PG&E Corporation's 2017 financial results, 2017 items impacting comparability, 2017 equity issuance, 2017-2019 capital expenditures and rate base, dividend policy, general earnings sensitivities, and other statements that are not purely historical, are forward-looking statements. These forecasts, estimates and statements are based on our current assumptions, including but not limited to those relating to capital expenditures, authorized rate base and rate base growth assumptions, authorized cost of capital, and certain other factors affecting earnings from operations, and also are forward-looking statements. Forward-looking statements are necessarily subject to various risks and uncertainties and actual results may differ materially. PG&E Corporation and the Utility are not able to predict all the factors that may affect future results. Factors that could cause actual results to differ materially include, but are not limited to:

- the timing and outcomes of the two TO rate cases pending before the FERC, and other ratemaking and regulatory proceedings;
- the timing and outcome of the Butte fire litigation; whether insurance is sufficient to cover the Utility's liability resulting therefrom; the timing and outcome of any proceeding to recover costs in excess of insurance from customers, if any; the effect, if any, of the SED's \$8.3 million citations issued in connection with the Butte fire may have on the Butte fire litigation; and whether additional investigations and proceedings in connection with the Butte fire will be opened and any additional fines or penalties imposed on the Utility;
- the outcome of the probation and the monitorship, the timing and outcomes of the debarment proceeding, the SED's unresolved enforcement matters relating to the Utility's compliance with natural gas-related laws and regulations, and other investigations that have been or may be commenced, and the ultimate amount of fines, penalties, and remedial and other costs that the Utility may incur as a result;
- the timing and outcomes of the ex parte OII and the safety culture OII;
- the Utility's ability to control its costs within the authorized levels of spending and the extent to which the Utility incurs unrecoverable costs that are higher than the forecasts of such costs;
- the impact that reductions in customer demand for electricity and natural gas have on the Utility's ability to make and recover its investments through rates and earn its authorized return on equity; whether the Utility is successful in addressing the changing industry landscape, including the impact of growing distributed and renewable generation resources, changing customer demand for natural gas and electric services, and an increasing number of customers departing for community choice aggregators;
- the impact of the increasing cost of natural gas regulations;
- whether the Utility can continue to obtain insurance and whether insurance coverage is adequate for future losses or claims, especially following a major event that causes widespread third-party losses;
- changes in estimated environmental remediation costs, including costs associated with the Utility's natural gas compressor sites;
- the ability of PG&E Corporation and the Utility to access capital markets and other sources of debt and equity financing in a timely manner on acceptable terms, and the amount and timing of additional common stock and debt issuances by PG&E Corporation;
- the outcomes of current and future self-reports, investigations or other enforcement proceedings that could be commenced or notices of violation that could be issued relating to the Utility's compliance with laws, rules, regulations, or orders applicable to its operations;
- the outcome of federal or state tax audits and the impact of any changes in federal or state tax laws, policies, regulations, or their interpretation, including as a result of the recent changes in the federal government;
- the impact of changes in GAAP, standards, rules, or policies, including those related to regulatory accounting, and the impact of changes in their interpretation or application; and
- the other factors disclosed in PG&E Corporation and the Utility's joint annual report on Form 10-K for the year ended December 31, 2016, their joint quarterly reports on Form 10-Q for the quarters ended March 31 and June 30, 2017, and other reports filed with the Securities and Exchange Commission (SEC).

This presentation is not complete without the accompanying statements made by management during the webcast conference call held on July 27, 2017. The statements in this presentation are made as of July 27, 2017. PG&E Corporation undertakes no obligation to update information contained herein. This presentation, including Appendices, and the accompanying press release were attached to PG&E Corporation's Current Report on Form 8-K that was furnished to the SEC on July 27, 2017 and, along with the replay of the conference call, is also available on PG&E Corporation's website at www.pgecorp.com.

Well-positioned to Deliver Strong Returns



Building on Safety and Operational Performance

- Continuing focus on public, employee, and contractor safety
- Delivering reliable gas and electric service

Delivering on Customer Expectations

- Improving customer service through continuous innovation
- Focusing on maintaining affordable service

Positioning PG&E for Success

- Enabling California's clean energy economy
- Building coalitions

Healthy 3-year growth profile

- ~6.5-7% ratebase growth
- Above average dividend growth

Q2 2017 Earnings Results



	Q2		2017	
	Earnings (millions)	EPS	Earnings (millions)	EPS
Earnings on a GAAP basis	\$ 406	\$ 0.79	\$ 982	\$ 1.92
Items Impacting Comparability				
Pipeline related expenses	17	0.03	33	0.06
Legal and regulatory related expenses	2	0.01	4	0.01
Fines and penalties	-	-	36	0.07
Butte fire-related insurance recoveries, net of legal costs	(17)	(0.03)	(15)	(0.03)
GT&S revenue timing impact	-	-	(88)	(0.17)
Diablo Canyon settlement-related disallowance	32	0.06	32	0.06
Earnings from Operations	\$ 440	\$ 0.86	\$ 984	\$ 1.92

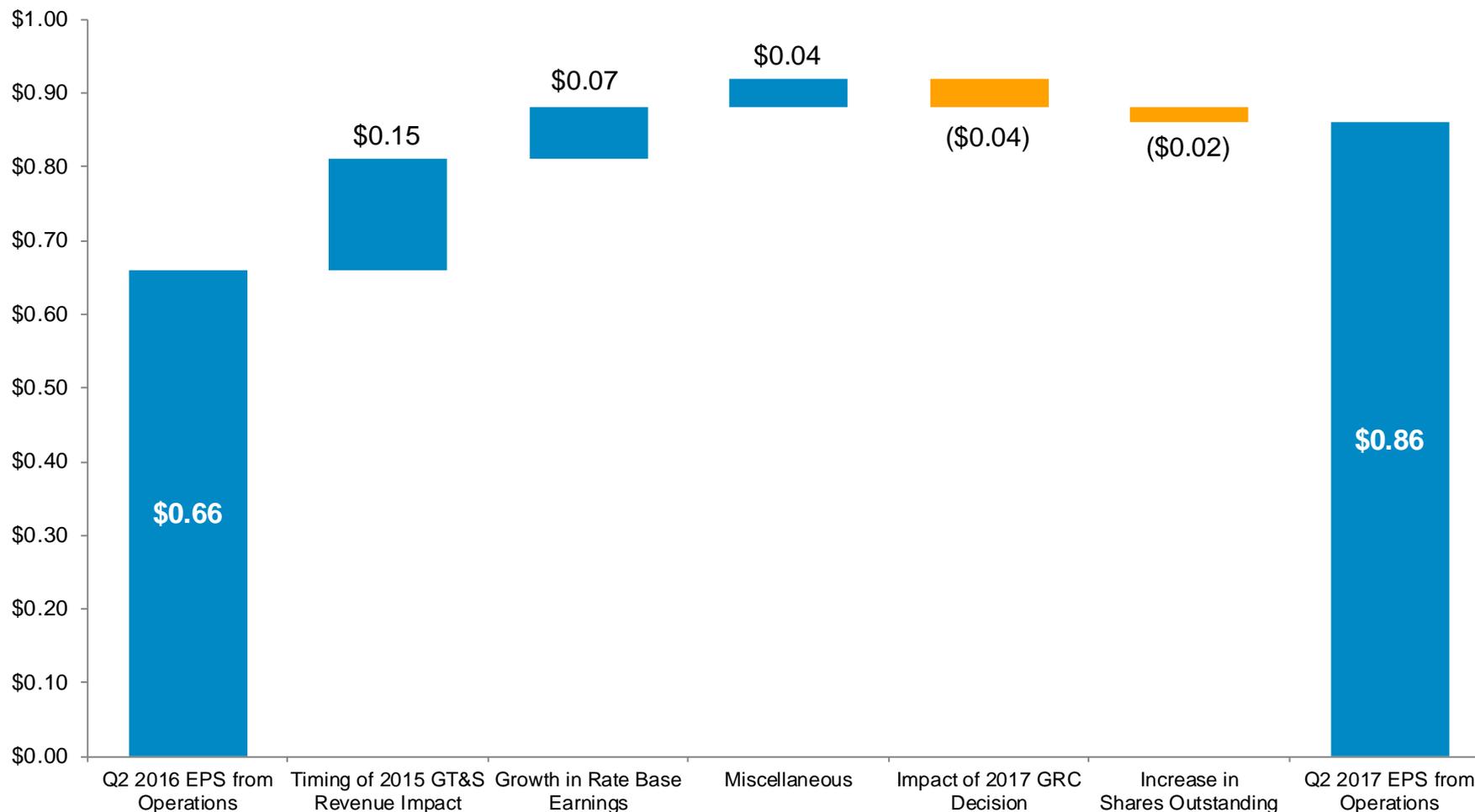
Items Impacting Comparability (millions, pre-tax)	Q2	2017
Pipeline related expenses	\$ 29	\$ 56
Legal and regulatory related expenses	3	7
Fines and penalties	-	60
Butte fire-related insurance recoveries, net of legal costs	(29)	(26)
GT&S revenue timing impact	-	(150)
Diablo Canyon settlement-related disallowance	47	47
Total	\$ 50	\$ (6)

Earnings from Operations is not calculated in accordance with GAAP and excludes items impacting comparability. See Appendix, Exhibit A for a reconciliation of Earnings per Share ("EPS") on a GAAP basis to Earnings from Operations and Exhibit G for the use of non-GAAP financial measures.

Q2 2017: Quarter over Quarter Comparison



Earnings per Share from Operations



Earnings from Operations is not calculated in accordance with GAAP and excludes items impacting comparability. See Appendix, Exhibit A for a reconciliation of Earnings per Share ("EPS") on a GAAP basis to Earnings from Operations and Exhibit G for the use of non-GAAP financial measures.

2017 Earnings Per Share Guidance



	Low	High
Estimated EPS on a GAAP Basis	\$ 3.54	\$ 3.79
Estimated Items Impacting Comparability		
Pipeline related expenses	0.14	0.09
Legal and regulatory related expenses	~ 0.01	~ 0.01
Fines and penalties	~ 0.07	~ 0.07
Butte fire-related insurance recoveries, net of legal costs	(0.03)	(0.03)
GT&S revenue timing impact	(0.17)	(0.17)
Net benefit from derivative litigation settlement	(0.07)	(0.07)
Diablo Canyon settlement-related disallowance	~ 0.06	~ 0.06
Estimated EPS on an Earnings from Operations Basis	\$ 3.55	\$ 3.75

Changes from prior quarter noted in blue

See the Forward Looking Statements for factors that could cause actual results to differ materially from the guidance presented and underlying assumptions. See Appendix, Exhibit E for PG&E Corporation's 2017 Earnings per Share Guidance and Exhibit G for the Use of Non-GAAP Financial Measures.

Capital Expenditures

(\$ millions)

2017

General Rate Case	3,850
Gas Transmission and Storage	950
Transmission Owner 18	1,100
Total Cap Ex	~\$5.9 billion

Authorized Ratebase (weighted average)

(\$ billions)

2017

General Rate Case	24.6
Gas Transmission and Storage	3.0
Transmission Owner	6.8
Total Ratebase	~\$34.4 billion

Authorized Cost of Capital*

Return on Equity: 10.4%

Equity Ratio: 52%

*CPUC authorized

Other Factors Affecting Earnings from Operations

- GT&S amounts not requested
- + Incentive revenues and other benefits

CWIP earnings: offset by below-the-line costs

Changes from prior quarter noted in blue

See the Forward Looking Statements for factors that could cause actual results to differ materially from the guidance presented and underlying assumptions.

2017 Items Impacting Comparability



(\$ millions, pre-tax)	2017
Pipeline related expenses ⁽¹⁾	80 - 125
Legal and regulatory related expenses	~ 10
Fines and penalties ⁽²⁾	~ 60
Butte fire-related insurance recoveries, net of legal costs	(26)
GT&S revenue timing impact	(150)
Net benefit from derivative litigation settlement	(65)
Diablo Canyon settlement-related disallowance	~ 47
2017 Items Impacting Comparability Total	~ \$1 - (44)

Fines and Penalties (\$ in millions, pre-tax) ⁽²⁾	
Charge for disallowed expense	32
GT&S ex parte penalty	15
Ex parte OII settlement	~ 13
Total	~ \$60

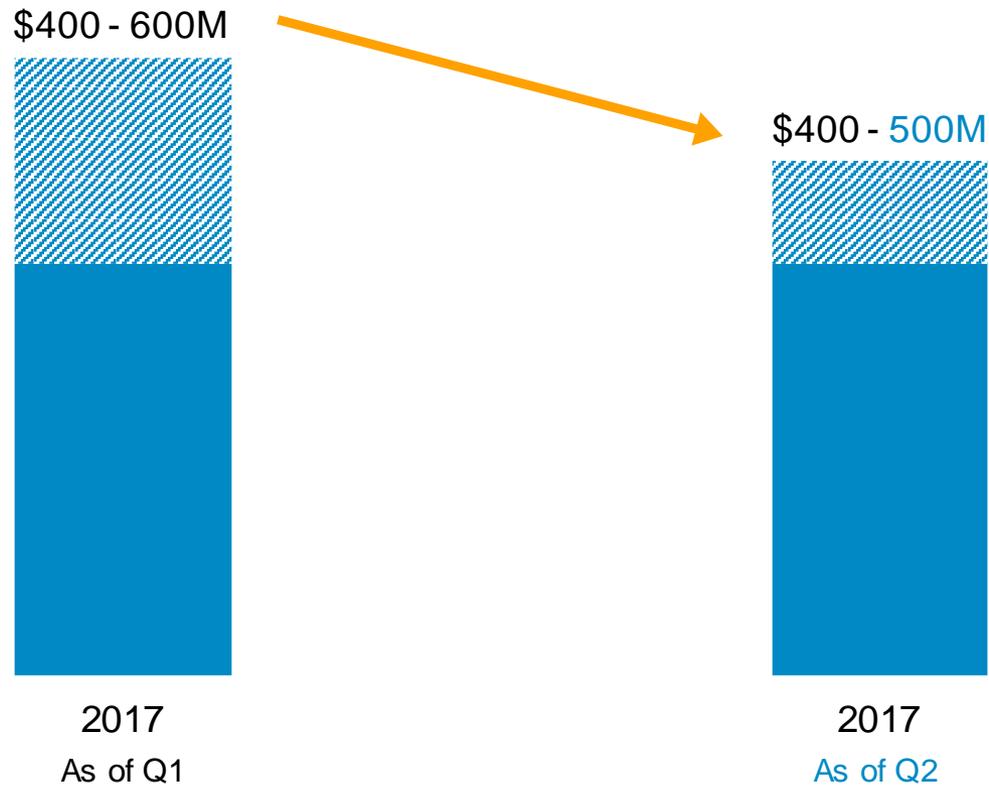
(1) Total cost of rights-of-way program expected to range from \$425 million to \$475 million

(2) Fines and penalties range excludes any additional potential future fines or penalties beyond those outlined above

Changes from prior quarter noted in blue

See the Forward Looking Statements for factors that could cause actual results to differ materially from the guidance presented and underlying assumptions. See Appendix, Exhibit E for PG&E Corporation's 2017 Earnings per Share Guidance and Exhibit G for Use of Non-GAAP Financial Measures.

2017 Equity Issuance



June 30, 2017 shares outstanding: ~512 million

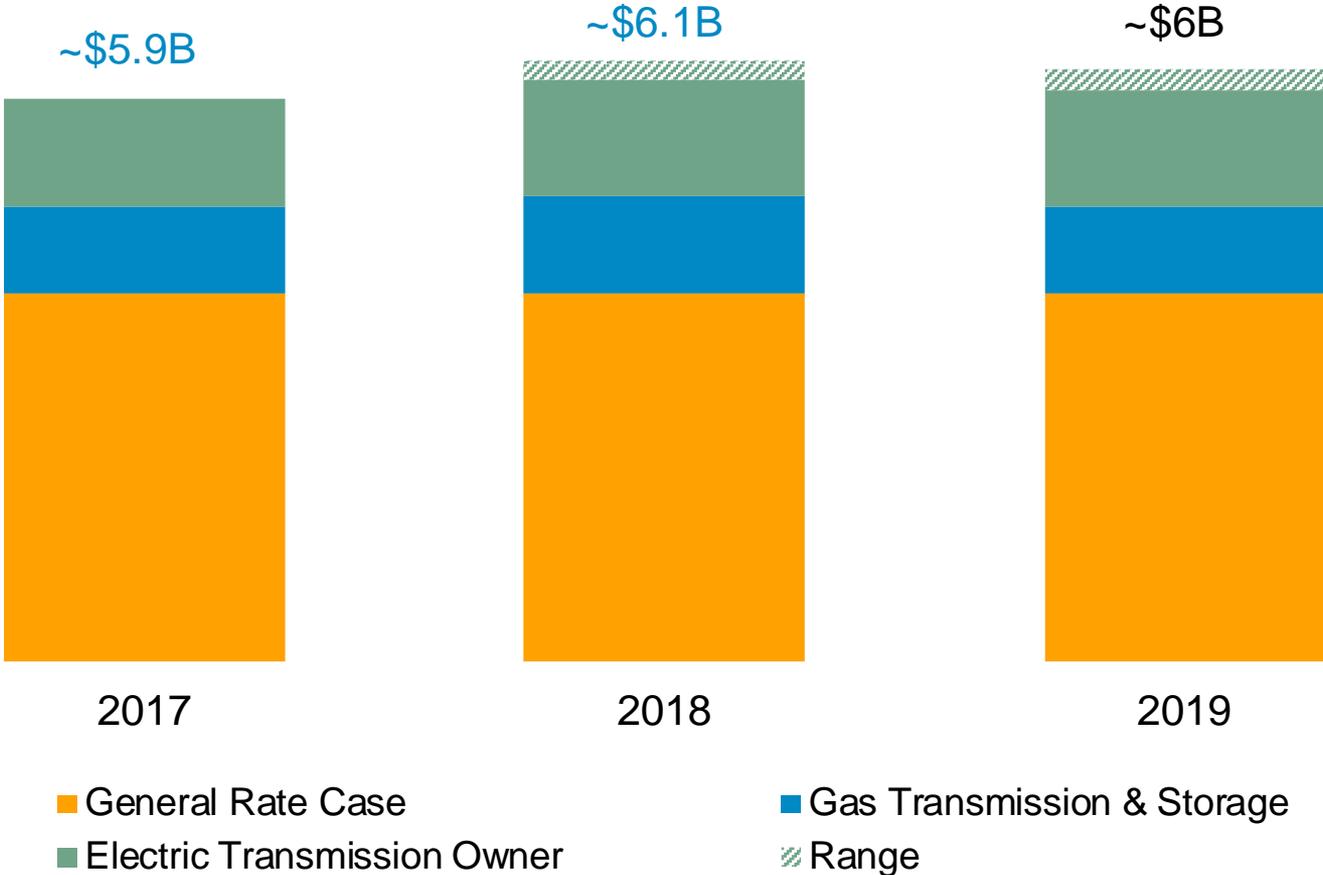
Changes from prior quarter noted in blue

See the Forward Looking Statements for factors that could cause actual results to differ materially from the guidance presented and underlying assumptions.

Robust Cap Ex Supports Strong Returns



Capital Expenditures (\$ in B) 2017-2019

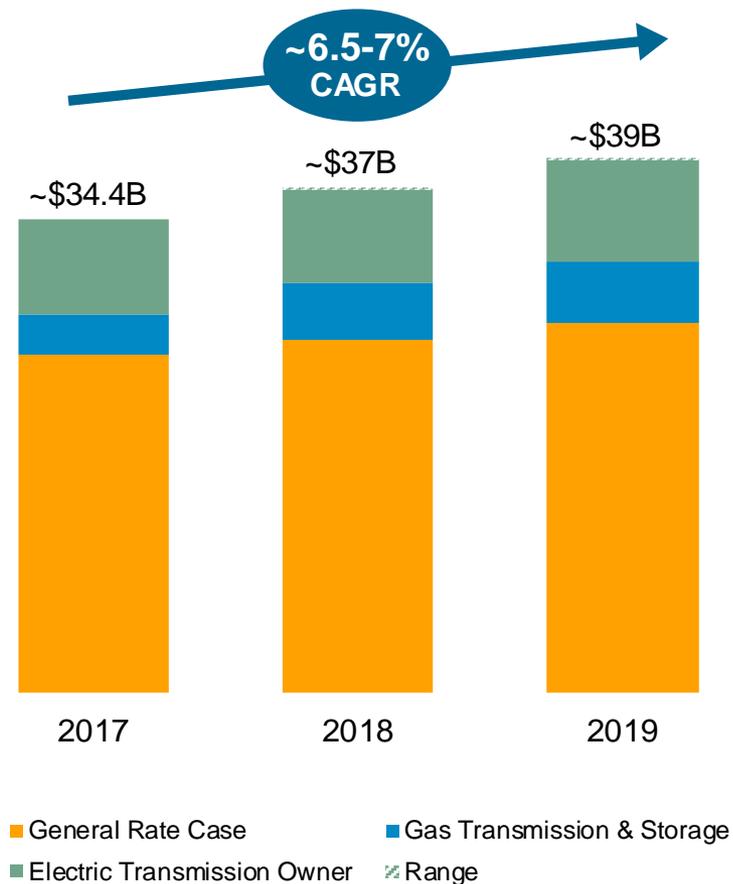


Changes from prior quarter noted in blue

Ratebase Supports Strong Returns



Weighted Average Ratebase (\$ in B) 2017-2019



Changes from prior quarter noted in blue

See the Forward Looking Statements for factors that could cause actual results to differ materially from the guidance presented and underlying assumptions.

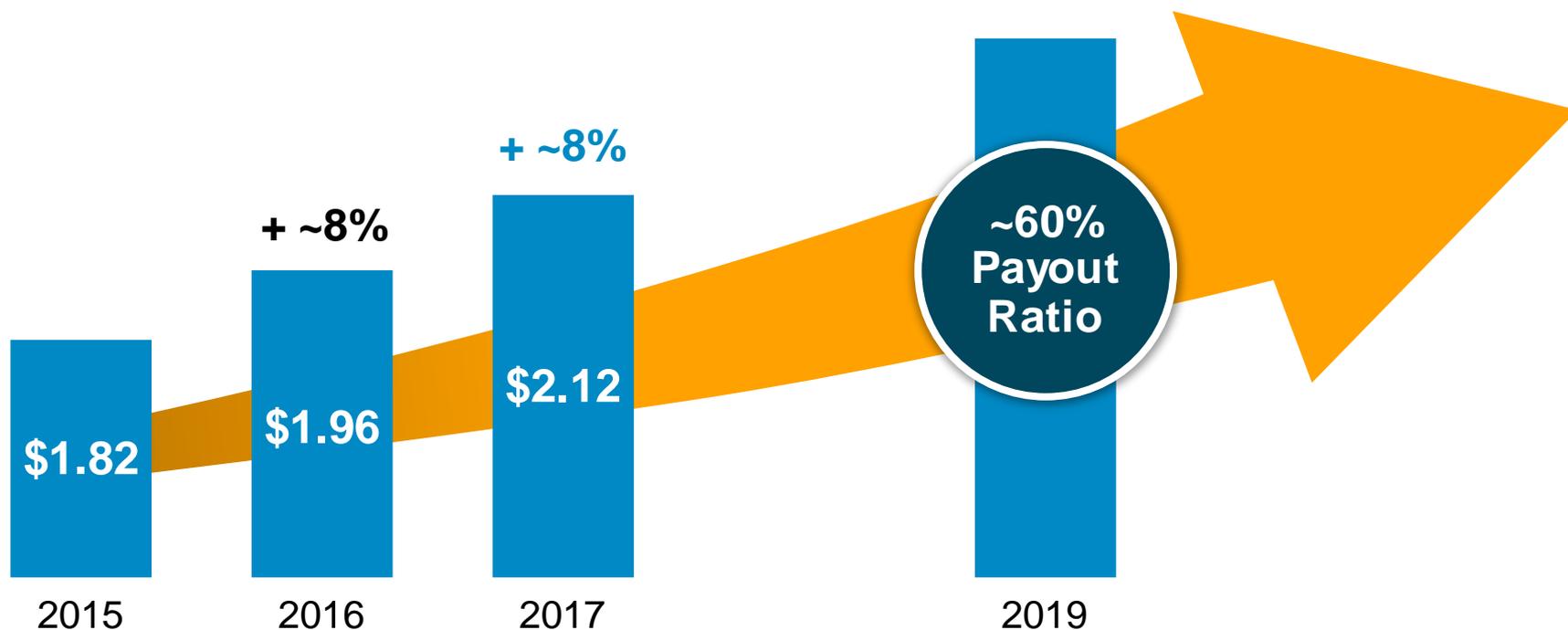
Base Case Assumptions:

- 2017 General Rate Case through 2019
- 2015 Gas Transmission & Storage rate case
 - Phase 2 decision through 2018; flat in 2019
 - ~\$400M for 2011-2014 spend subject to audit added in 2018
- Transmission Owner rate case:
 - High end: TO19 filing held flat through 2019
 - Low end: TO17 settlement held flat through 2019
- Electric Vehicle Infrastructure decision in December 2016

Potential Future Updates:

- 2019 Gas Transmission & Storage rate case
- 2019 Transmission Owner rate cases
- Future competitive transmission opportunities
- State infrastructure modernization (e.g., rail and water projects)
- Future storage opportunities
- Future transportation electrification (e.g., January 2017 medium and heavy duty vehicle filing)
- New gas storage regulations

Dividend Policy Supports Strong Total Shareholder Return



Targeting 55-65% payout ratio over time

Changes from prior quarter noted in blue

See the Forward Looking Statements for factors that could cause actual results to differ materially from the guidance presented and underlying assumptions.



PG&E Corporation[®]

Appendix

Exhibit A:	Reconciliation of PG&E Corporation's Consolidated Income Available for Common Shareholders in Accordance with Generally Accepted Accounting Principles to Earnings from Operations	Slides 15-16
Exhibit B:	Key Drivers of PG&E Corporation's Earnings per Common Share from Operations	Slide 17
Exhibit C:	Operational Performance Metrics	Slides 18-19
Exhibit D:	Sales and Sources Summary	Slide 20
Exhibit E:	PG&E Corporation's 2017 Earnings Per Share Guidance	Slides 21-22
Exhibit F:	2017 General Earnings Sensitivities	Slide 23
Exhibit G:	Use of Non-GAAP Financial Measures	Slide 24
Exhibit H:	Expected Timelines of Selected Regulatory Cases	Slides 25-29

Exhibit A: Reconciliation of PG&E Corporation's Consolidated Income Available for Common Shareholders in Accordance with Generally Accepted Accounting Principles ("GAAP") to Earnings from Operations



Page 1 of 2

Second Quarter and Year to Date, 2017 vs. 2016

(in millions, except per share amounts)

	Three Months Ended June 30,				Six Months Ended June 30,			
	Earnings		Earnings per Common Share (Diluted)		Earnings		Earnings per Common Share (Diluted)	
	2017	2016	2017	2016	2017	2016	2017	2016
PG&E Corporation's Earnings on a GAAP basis	\$ 406	\$ 206	\$ 0.79	\$ 0.41	\$ 982	\$ 313	\$ 1.92	\$ 0.63
Items Impacting Comparability: ⁽¹⁾								
Pipeline related expenses ⁽²⁾	17	16	0.03	0.03	33	29	0.06	0.06
Legal and regulatory related expenses ⁽³⁾	2	8	0.01	0.02	4	18	0.01	0.04
Fines and penalties ⁽⁴⁾	-	112	-	0.22	36	163	0.07	0.32
Butte fire-related insurance recoveries, net of legal costs ⁽⁵⁾	(17)	(125)	(0.03)	(0.25)	(15)	101	(0.03)	0.20
GT&S revenue timing impact ⁽⁶⁾	-	-	-	-	(88)	-	(0.17)	-
Diablo Canyon settlement-related disallowance ⁽⁷⁾	32	-	0.06	-	32	-	0.06	-
GT&S capital disallowance	-	113	-	0.23	-	113	-	0.23
PG&E Corporation's Earnings from Operations ⁽⁸⁾	\$ 440	\$ 330	\$ 0.86	\$ 0.66	\$ 984	\$ 737	\$ 1.92	\$ 1.48

All amounts presented in the table above are tax adjusted at PG&E Corporation's statutory tax rate of 40.75 percent, except as indicated below.

- (1) "Items impacting comparability" represent items that management does not consider part of the normal course of operations and affect comparability of financial results between periods. See Exhibit G: Use of Non-GAAP Financial Measures.
- (2) The Utility incurred costs of \$29 million (before the tax impact of \$12 million) and \$56 million (before the tax impact of \$23 million) during the three and six months ended June 30, 2017, respectively, for pipeline related expenses incurred in connection with the multi-year effort to identify and remove encroachments from transmission pipeline rights-of-way.
- (3) The Utility incurred costs of \$3 million (before the tax impact of \$1 million) and \$7 million (before the tax impact of \$3 million) during the three and six months ended June 30, 2017, respectively, for legal and regulatory related expenses incurred in connection with various enforcement, regulatory, and litigation activities regarding natural gas matters and regulatory communications.
- (4) The Utility incurred costs of \$60 million (before the tax impact of \$24 million) during the six months ended June 30, 2017, for fines and penalties. This includes costs of \$32 million (before the tax impact of \$13 million) during the six months ended June 30, 2017, associated with safety-related cost disallowances imposed by the California Public Utilities Commission ("CPUC") in its April 9, 2015 decision ("San Bruno Penalty Decision") in the gas transmission pipeline investigations. The Utility also recorded \$15 million (before the tax impact of \$6 million) during the six months ended June 30, 2017, for disallowances imposed by the CPUC in its final phase two decision of the 2015 Gas Transmission and Storage ("GT&S") rate case for prohibited ex parte communications. In addition, the Utility recorded \$12 million (before the tax impact of \$5 million) and \$1 million (which is not tax deductible) during the six months ended June 30, 2017, for financial remedies in connection with the settlement filed with the CPUC on March 28, 2017, related to the Order Instituting an Investigation into Compliance with Ex Parte Communication Rules ("ex parte OII").

Exhibit A: Reconciliation of PG&E Corporation's Consolidated Income Available for Common Shareholders in Accordance with Generally Accepted Accounting Principles ("GAAP") to Earnings from Operations

Page 2 of 2



(in millions, pre-tax)	Three Months Ended	Six Months Ended
	June 30, 2017	June 30, 2017
Charge for disallowed expense	\$ -	\$ 32
GT&S ex parte penalty	-	15
Ex parte OII settlement	-	13
Fines and penalties	\$ -	\$ 60

Future fines or penalties may be imposed in connection with other enforcement, regulatory, and litigation activities regarding regulatory communications.

- (5) The Utility recorded insurance recoveries, net of legal costs, of \$29 million (before the tax impact of \$12 million) and \$26 million (before the tax impact of \$11 million) during the three and six months ended June 30, 2017, respectively, associated with the Butte fire. This includes \$46 million (before the tax impact of \$19 million) and \$53 million (before the tax impact of \$22 million) during the three and six months ended June 30, 2017, respectively, for insurance recoveries partially offset by \$17 million (before the tax impact of \$7 million) and \$27 million (before the tax impact of \$11 million) recorded during the three and six months ended June 30, 2017, respectively, for legal costs associated with the Butte fire.

(in millions, pre-tax)	Three Months Ended	Six Months Ended
	June 30, 2017	June 30, 2017
Legal costs	\$ 17	\$ 27
Insurance	(46)	(53)
Butte fire-related insurance recoveries, net of legal costs	\$ (29)	\$ (26)

- (6) As a result of the CPUC's final phase two decision in the 2015 GT&S rate case, during the six months ended June 30, 2017, the Utility recorded revenues of \$150 million (before the tax impact of \$62 million) in excess of the 2017 authorized revenue requirement, which includes the final component of under-collected revenues retroactive to January 1, 2015.
- (7) As a result of the settlement agreement submitted to the CPUC in connection with the Utility's pending joint proposal to retire the Diablo Canyon Power Plant, the Utility recorded a total disallowance of \$47 million (before the tax impact of \$15 million) during the three and six months ended June 30, 2017, comprised of cancelled projects of \$24 million (before the tax impact of \$6 million) and disallowed license renewal costs of \$23 million (before the tax impact of \$9 million), with no corresponding charges during the same periods in 2016. A portion of the cancelled projects and disallowed license renewal costs currently is not tax deductible.
- (8) "Earnings from operations" is a non-GAAP financial measure. See Exhibit G: Use of Non-GAAP Financial Measures.

Exhibit B: Key Drivers of PG&E Corporation's Earnings per Common Share ("EPS") from Operations



Second Quarter and Year to Date, 2017 vs. 2016
(in millions, except per share amounts)

	Three Months Ended June 30, 2017		Six Months Ended June 30, 2017	
	Earnings	Earnings per Common Share (Diluted)	Earnings	Earnings per Common Share (Diluted)
2016 Earnings from Operations ⁽¹⁾	\$ 330	\$ 0.66	\$ 737	\$ 1.48
Timing of 2015 GT&S revenue impact ⁽²⁾	\$ 75	\$ 0.15	\$ 150	\$ 0.29
Growth in rate base earnings ⁽³⁾	\$ 34	\$ 0.07	\$ 51	\$ 0.10
Miscellaneous	\$ 22	\$ 0.04	\$ 51	\$ 0.10
Tax benefit on stock compensation ⁽⁴⁾	\$ -	\$ -	\$ 31	\$ 0.06
Impact of 2017 GRC decision ⁽⁵⁾	\$ (21)	\$ (0.04)	\$ (36)	\$ (0.07)
Increase in shares outstanding	\$ -	\$ (0.02)	\$ -	\$ (0.04)
2017 Earnings from Operations ⁽¹⁾	\$ 440	\$ 0.86	\$ 984	\$ 1.92

- (1) See Exhibit A for a reconciliation of EPS on a GAAP basis to EPS from Operations. All amounts presented in the table above are tax adjusted at PG&E Corporation's statutory tax rate of 40.75 percent, except for tax benefits on stock compensation. See Footnote 4 below.
- (2) Represents the impact in 2016 of the delay in the Utility's 2015 GT&S rate case. The CPUC issued its final phase two decision on December 1, 2016, delaying recognition of the full 2016 revenue increase until the fourth quarter of 2016.
- (3) Represents the impact of the increase in rate base as authorized in various rate cases, including the 2017 GRC, during the three and six months ended June 30, 2017 as compared to the same periods in 2016. As the final decision in the 2017 GRC was approved by the CPUC in May 2017, this amount includes revenues authorized for the three months ended March 31, 2017 that were not recorded until the second quarter of 2017.
- (4) Represents the incremental tax benefit related to share-based compensation awards that vested during the six months ended June 30, 2017. Pursuant to ASU 2016-09, *Compensation – Stock Compensation (Topic 718)*, which PG&E Corporation and the Utility adopted in 2016, excess tax benefits associated with vested awards are reflected in net income.
- (5) Represents the impact of lower tax repair benefits as a result of the CPUC's final decision in the 2017 General Rate Case ("GRC") proceeding, partially offset by the delayed revenue recognition of 2017 GRC-related capital costs (depreciation and interest) until the second quarter of 2017 when the CPUC issued its final decision in the 2017 GRC.

Exhibit C: Operational Performance Metrics



2017 Year to Date	Q2 Actual	EOY Target	Meets YTD Target ⁽¹⁾
Safety (includes both public and employee safety metrics)			
<u>Nuclear Operations Safety</u>			
Unit 1 Performance Indicator	97.1	90.5	✓
Unit 2 Performance Indicator	90.0	87.6	✓
<u>Electric Operations Safety</u>			
Electric Overhead Conductor Index	0.492	1.000	-
911 Emergency Response	96.0%	97.5%	-
<u>Gas Operations Safety</u>			
Gas In-Line Inspection and Upgrade Index	1.3	1.0	✓
Gas Dig-ins Reduction	1.73	1.92	✓
Gas Emergency Response	20.0	21.0	✓
<u>Employee Safety</u>			
SIF Corrective Action Index	2.0	1.0	✓
Serious Preventable Motor Vehicle Incident Rate	0.218	0.239	✓
Timely Reporting of Injuries	66.3%	71.3%	-
Customer			
Customer Satisfaction Score	75.2	76.4	-
System Average Interruption Duration Index (SAIDI)	58.2	107.0	-
Financial			
Earnings from Operations	\$948.0	See note (1)	See note (1)

See following page for definitions of the operational performance metrics. The operational performance goals set under the PG&E Corporation 2017 Short Term Incentive Plan (“STIP”) are based on the same operational metrics and targets.

(1) The 2017 target for earnings from operations is not publicly reported but is consistent with the guidance range provided for 2017 EPS from operations of \$3.55 to \$3.75.

Safety

Public and employee safety are measured in four areas: (1) Nuclear Operations Safety, (2) Electric Operations Safety, (3) Gas Operations Safety, and (4) Employee Safety.

1. The safety of the Utility's nuclear power operations, Unit 1 and Unit 2, is an index comprised of 11 performance indicators for nuclear power generation that are regularly benchmarked against other nuclear power generators.
2. The safety of the Utility's electric operations is represented by (a) work that supports the safe reliable operations of the overhead electric system, and (b) the percentage of time that Utility personnel are on site within 60 minutes after receiving a 911 call of a potential Utility electric hazard.
3. The safety of the Utility's natural gas operations is represented by (a) the ability to complete planned in-line inspections and pipeline retrofit projects, measured by two equally weighted components of In-Line Inspections and In-Line Upgrades; (b) the number of third party "dig-ins" (i.e., damage resulting in repair or replacement of underground facility) to Utility gas assets per 1,000 Underground Service Alert tickets; and (c) the timeliness (measured in minutes) of on-site response to gas emergency service calls.
4. The safety of the Utility's employees is represented by (a) measuring the timely and quality completion of planned actions in response to Serious Injuries and Fatalities (SIF), (b) the number of serious preventable motor vehicle incidents that the driver could have reasonably avoided, per one million miles driven, and (c) the percentage of work-related injuries reported to the 24/7 Nurse Report Line within one day of the incident.

Customer

Customer satisfaction and service reliability are measured by:

1. The overall satisfaction (measured as a score of zero to 100) of customers with the products and services offered by the Utility, as measured through a quarterly survey performed by an independent third-party research firm.
2. The total time (measured in minutes) the average customer is without electric power during a given time period.

Financial

Earnings from Operations (shown in millions of dollars) measures PG&E Corporation's earnings power from ongoing core operations. They allow investors to compare the underlying financial performance of the business from one period to another, exclusive of items that management believes do not reflect the normal course of operations (items impacting comparability). Earnings from Operations are not calculated in accordance with GAAP. For a reconciliation of Consolidated Income Available for Common Shareholders as reported in accordance with GAAP to Earnings from Operations, see Exhibit A.

Exhibit D: Pacific Gas and Electric Company Sales and Sources Summary



Second Quarter and Year to Date, 2017 vs. 2016

	Three Months Ended June 30,		Six Months Ended June 30,	
	2017	2016	2017	2016
Sales from Energy Deliveries (in millions kWh)	19,216	19,879	38,754	39,419
Total Electric Customers at June 30			5,376,949	5,340,013
Total Gas Sales (in Bcf)	150	167	377	393
Total Gas Customers at June 30			4,464,296	4,437,073
Sources of Electric Energy (in millions kWh)				
Total Utility Generation	7,205	7,070	15,829	15,687
Total Purchased Power	9,425	11,228	16,716	19,767
Total Electric Energy Delivered ⁽¹⁾	19,216	19,879	38,754	39,419
Diablo Canyon Performance				
Overall Capacity Factor (including refuelings)	66%	82%	82%	92%
Refueling Outage Period	4/23-6/23	4/30-6/2	4/23-6/23	4/30-6/2
Refueling Outage Duration during the Period	61	33	61	33

(1) Includes other sources of electric energy totaling 2,586 million kWh and 1,581 million kWh for the three months ended June 30, 2017 and 2016, respectively, and 6,209 million kWh and 3,965 million kWh for the six months ended June 30, 2017 and 2016, respectively.

Please see the 2016 Annual Report on Form 10-K for additional information about operating statistics.



2017 EPS Guidance	Low	High
Estimated EPS on a GAAP Basis	\$ 3.54	\$ 3.79
Estimated Items Impacting Comparability: ⁽¹⁾		
Pipeline related expenses ⁽²⁾	0.14	0.09
Legal and regulatory related expenses ⁽³⁾	~ 0.01	~ 0.01
Fines and penalties ⁽⁴⁾	~ 0.07	~ 0.07
Butte fire-related insurance recoveries, net of legal costs ⁽⁵⁾	(0.03)	(0.03)
GT&S revenue timing impact ⁽⁶⁾	(0.17)	(0.17)
Net benefit from derivative litigation settlement ⁽⁷⁾	(0.07)	(0.07)
Diablo Canyon settlement-related disallowance ⁽⁸⁾	~ 0.06	~ 0.06
Estimated EPS on an Earnings from Operations Basis ⁽⁹⁾	\$ 3.55	\$ 3.75

All amounts presented in the table above are tax adjusted at PG&E Corporation's statutory tax rate of 40.75 percent, except as indicated below.

- (1) "Items impacting comparability" represent items that management does not consider part of the normal course of operations and affect comparability of financial results between periods. See Exhibit G: Use of Non-GAAP Financial Measures.
- (2) "Pipeline related expenses" includes costs incurred to identify and remove encroachments from transmission pipeline rights-of-way. The pre-tax range of estimated costs is shown below. The offsetting tax impacts for the low and high EPS guidance range are \$51 million and \$33 million, respectively.

(in millions, pre-tax)	2017	
	Low EPS guidance	High EPS guidance
Pipeline related expenses	\$ 125	\$ 80

- (3) "Legal and regulatory related expenses" includes costs incurred in connection with various enforcement, regulatory, and litigation activities regarding natural gas matters and regulatory communications. The pre-tax range of estimated costs is shown below. The offsetting tax impact for the low and high EPS guidance range is \$4 million.

(in millions, pre-tax)	2017	
	Low EPS guidance	High EPS guidance
Legal and regulatory related expenses	~ 10	~ 10

- (4) "Fines and penalties" includes fines and penalties resulting from various enforcement, regulatory, and litigation activities regarding natural gas matters and regulatory communications. Guidance is consistent with the 2017 components of the \$1.6 billion San Bruno Penalty Decision in the gas transmission pipeline investigations, the disallowances imposed by the CPUC in its final phase two decision in the 2015 GT&S rate case for prohibited ex parte communications, and the settlement filed with the CPUC in connection with the ex parte OII. Guidance does not include amounts for other potential future fines and penalties. The pre-tax range of estimated costs is shown below. The offsetting tax impact for the low and high EPS guidance range is \$24 million.

(in millions, pre-tax)	2017	
	Low EPS guidance	High EPS guidance
Charge for disallowed expense	\$ 32	\$ 32
GT&S ex parte disallowance	15	15
Ex parte OII settlement	~ 13	~ 13
Fines and penalties	~ 60	~ 60



- (5) "Butte fire-related insurance recoveries, net of legal costs" refers to the insurance recoveries associated with the Butte fire, net of legal costs. The Utility currently is unable to estimate the low and high end of the guidance range of Butte fire-related third-party claims and legal costs for 2017. The offsetting tax impact is \$11 million.

(in millions, pre-tax)	2017	
	Low EPS guidance	High EPS guidance
Butte fire-related insurance recoveries, net of legal costs	\$ (26)	\$ (26)

- (6) "GT&S revenue timing impact" refers to the revenues recorded in excess of the 2017 authorized revenue requirements as a result of the CPUC's final phase two decision issued on December 1, 2016 in the 2015 GT&S rate case. Accounting rules allow the Utility to recognize revenues in a given year only if they will be collected from customers within 24 months of the end of that year. Because the phase one decision issued by the CPUC directed the Utility to collect the difference between the adopted "interim" revenue requirements and the amounts previously collected in rates, retroactive to January 1, 2015, over a 36-month period, the Utility was not able to complete recording the full true-up of under-collected revenues until the first quarter of 2017. The pre-tax range of the recorded revenues is shown below. The offsetting tax impact for the low and high EPS guidance range is \$62 million.

(in millions, pre-tax)	2017	
	Low EPS guidance	High EPS guidance
GT&S revenue timing impact	\$ (150)	\$ (150)

- (7) "Net benefit from derivative litigation settlement" refers to the settlement agreement in connection with the shareholder derivative litigation that was approved by the court on July 18, 2017. This amount includes insurance recoveries net of plaintiff costs. The offsetting tax impact for the low and high EPS guidance range is \$26 million.

(in millions, pre-tax)	2017	
	Low EPS guidance	High EPS guidance
Net benefit from derivative litigation settlement	\$ (65)	\$ (65)

- (8) "Diablo Canyon settlement-related disallowance" refers to the settlement agreement submitted to the CPUC in connection with the Utility's pending joint proposal to retire the Diablo Canyon Power Plant, comprised of cancelled projects and disallowed license renewal costs. The offsetting tax impact for the low and high EPS guidance range is \$15 million. A portion of the cancelled projects and disallowed license renewal costs currently is not tax deductible.

(in millions, pre-tax)	2017	
	Low EPS guidance	High EPS guidance
Diablo Canyon settlement-related disallowance	~ 47	~ 47

- (9) "Earnings from operations" is a non-GAAP financial measure. See Exhibit G: Use of Non-GAAP Financial Measures.

Variable	Description of Change	Estimated 2017 Earnings Impact
Rate base	+/- \$100 million change in allowed rate base	+/- \$5 million
Return on equity (ROE)	+/- 0.1% change in allowed ROE	+/- \$18 million
Share count	+/- 1% change in average shares	+/- \$0.04 per share
Revenues	+/- \$9 million change in at-risk revenue (pre-tax), including Electric Transmission and Gas Transmission and Storage	+/- \$0.01 per share

These general earnings sensitivities on factors that may affect 2017 earnings are forward-looking statements that are based on various assumptions. Actual results may differ materially. For a discussion of the factors that may affect future results, see the Forward-Looking Statements.

PG&E Corporation and Pacific Gas and Electric Company: Use of Non-GAAP Financial Measures

PG&E Corporation discloses historical financial results and provides guidance based on “earnings from operations” in order to provide a measure that allows investors to compare the underlying financial performance of the business from one period to another, exclusive of items impacting comparability.

“Earnings from operations” is a non-GAAP financial measure and is calculated as income available for common shareholders less items impacting comparability. “Items impacting comparability” represent items that management does not consider part of the normal course of operations and affect comparability of financial results between periods, including certain pipeline related expenses, certain legal and regulatory related expenses, fines and penalties, Butte fire-related insurance recoveries and costs, impacts of the 2015 GT&S rate case, and the Diablo Canyon settlement-related disallowance. PG&E Corporation uses earnings from operations to understand and compare operating results across reporting periods for various purposes including internal budgeting and forecasting, short- and long-term operating planning, and employee incentive compensation. PG&E Corporation believes that earnings from operations provide additional insight into the underlying trends of the business allowing for a better comparison against historical results and expectations for future performance.

Earnings from operations are not a substitute or alternative for GAAP measures such as consolidated income available for common shareholders and may not be comparable to similarly titled measures used by other companies.

Exhibit H: Pacific Gas and Electric Company Expected Timelines of Selected Regulatory Cases



Regulatory Case	Docket #	Key Dates
2017 General Rate Case (Phase I)	A. 15-09-001	<p>Sep 1, 2015 – Application Filed</p> <p>Sep 29, 2015 – Application Workshop</p> <p>Oct 29, 2015 – Prehearing conference</p> <p>Jan 22, 2016 – PG&E Supplemental Testimony on gas distribution recordkeeping</p> <p>Feb 22, 2016 – PG&E Supplemental Testimony on updated tax forecast, labor escalation</p> <p>Apr 8, 2016 – ORA testimony</p> <p>Apr 29, 2016 – Intervenor testimony</p> <p>May-Jun, 2016 – Settlement discussions</p> <p>May 2016 – Public participation hearings</p> <p>May 27, 2016 – Rebuttal testimony</p> <p>Aug 3, 2016 – Settlement with all parties that filed testimony submitted</p> <p>Feb 27, 2017 – Proposed decision issued</p> <p>May, 2017 – Final decision issued</p>
Transmission Owner Rate Case (TO19)	ERxx-xx	<p>Jul 26, 2017 – PG&E filed TO19 rate case seeking an annual revenue requirement for 2018</p> <p>3Q 2017 – Anticipate that FERC will accept TO19 making rates effective Mar 1, 2018 and establishing settlement process</p> <p>4Q 2017 – FERC settlement conference anticipated</p> <p>2018 – FERC settlement conference anticipated</p>
Transmission Owner Rate Case (TO18)	ER16-2320	<p>Jul 29, 2016 – PG&E filed TO18 rate case seeking an annual revenue requirement for 2017</p> <p>Sep 30, 2016 – FERC accepted TO18 making rates effective Mar 1, 2017 and establishing settlement process</p> <p>Oct 19, 2016 – FERC settlement conference</p> <p>Oct 30, 2016 – CPUC seeks rehearing of FERC's grant of 50 bp ROE adder for CAISO participation</p> <p>Feb 7-8, 2017 – FERC settlement conference</p> <p>Mar 16, 2017 – Parties reached impasse in settlement discussions</p> <p>Jan 2018 – Hearings scheduled</p> <p>Jun 1, 2018 – Initial decision expected</p>
Safety Culture and Governance Order Instituting Investigation	I.15-08-019	<p>Sep 2, 2015 – OII issued</p> <p>Oct 30, 2015 – PG&E submits discovery responses to SED</p> <p>Dec 15, 2015 – PG&E submits discovery responses to SED</p> <p>Jan 25, 2016 – PG&E submits discovery responses to SED</p> <p>Apr 2016 – CPUC hires NorthStar as consultant for investigation</p> <p>Apr 26-27, May 10-12, 2016 – Orientation presentations with SED and NorthStar staff</p> <p>May 2016-Mar 2017 – Ongoing discovery (data requests, interviews, site visits, and demos) from NorthStar</p> <p>May 8, 2017 – President Picker Phase II Scoping Memo and NorthStar Assessment Report Issued</p> <p>Aug 1, 2017 – Prehearing Conference Scheduled</p> <p>4Q 2017 – PG&E Testimony Due</p> <p>1Q 2018 – Party Testimony Due</p> <p>1Q 2018 – Evidentiary Hearings</p>

Exhibit H: Pacific Gas and Electric Company Expected Timelines of Selected Regulatory Cases



Regulatory Case	Docket #	Key Dates
2015 Electric Distribution Resources Plan (DRP)	A.15-07-006, R.14-08-013	<p>Aug 13, 2014 – Commission issues OIR directing utilities to file Electric Distribution Resources Plans</p> <p>Sep 5, 2014 – Comments on OIR</p> <p>Sep 17, 2014 – Workshop I</p> <p>Sep 22, 2014 – Reply Comments on OIR</p> <p>Nov 17, 2014 – Draft Guidance Issued</p> <p>Dec 12, 2014 – Comments on Draft Guidance</p> <p>Jan 8, 2015 – Workshop II</p> <p>Feb 6, 2015 – Final Guidance Ruling issued</p> <p>Apr 13, 2015 – Workshop III</p> <p>Jul 1, 2015 – PG&E files Electric Distribution Resources Plan</p> <p>Aug 31, 2015 – Protests/comments due</p> <p>Sep 15, 2015 – Replies to protests due</p> <p>Sep 30, 2015 – Prehearing Conference</p> <p>Nov 6, 2015 – Joint IOU/CAISO Workshop</p> <p>Nov 9-10, 2015 – Integration Capacity Analysis (ICA) Workshop</p> <p>Dec 3, 2015 – ICA Workshop Report filed</p> <p>Jan 8, 2016 – ALJ Ruling inviting pre-workshop comments to Locational Net Benefits Analysis (LNBA) methodologies and Demonstration Project (Demo) B</p> <p>Jan 26, 2016 – Pre-LNBA Workshop Comments Filed</p> <p>Jan 27, 2016 – ACR/ALJ Ruling issuing Scope and Schedule</p> <p>Feb 1, 2016 – LNBA, Alternate Proposal and Related Demo B Workshop</p> <p>Feb 4, 2016 – Case reassigned to ALJ Kelly</p> <p>Mar 2016 – Workshop on Field Demos C-F</p> <p>Apr 2016 – DRP/IDER workshop to discuss sourcing mechanisms in Field Demos C-F</p> <p>May 2016 – Comments on Field Demos C-F and alternatives</p> <p>Jul 2016 – Proposed Decision on Field Demos C-F</p> <p>Aug 2016 – Final Decision on Field Demos C-F</p> <p>Sep 2016 – Begin Field Demos C-F</p> <p>Jan 24, 2017 – Grid Modernization Workshop</p> <p>Feb 9, 2017 – Decision on Field Demos C and D</p> <p>Feb 27, 2017 – Decision on DER Growth Scenarion and Distribution Load Forecasting schedule</p> <p>Mar 4, 2017 – PG&E filed updated Demo C project</p> <p>Mar 8, 2017 – LNBA Working Group Final Report issued</p> <p>Mar 15, 2017 – ICA Working Group Final Report issued</p> <p>Apr 7, 2017 – PG&E filed DER forecasting methodology and assumptions</p> <p>Apr 19, 2017 – Decision on scope of long-term refinements to ICA and LNBA</p> <p>May 15, 2017 – Working group on ICA and LNBA long-term refinements</p> <p>May 16, 2017 – CPUC Staff whitepaper on Grid Modernization</p> <p>Jun 5, 2017 – Grid Modernization workshop</p> <p>Jun 15, 2017 – Decision on PG&E's revised Field Demo D</p>

Exhibit H: Pacific Gas and Electric Company Expected Timelines of Selected Regulatory Cases



Regulatory Case	Docket #	Key Dates
2015 Electric Distribution Resources Plan (DRP)	A.15-07-006, R.14-08-013	<p>Jun 19, 2017 – PG&E filed comments on CPUC Staff's Grid Modernization Whitepaper</p> <p>Jun 22, 2017 – Decision requiring IOUs to file assumptions and framework details on DER growth forecasting and disaggregation</p> <p>Jun 28, 2017 – PG&E filed assumptions and framework details on DER growth forecasting and disaggregation</p> <p>Jun 30, 2017 – Decision requesting IOU comments on Energy Division staff proposal on the Distribution Investment Deferral Framework</p> <p>Mid Jul, 2017 – Comments on CPUC Decision approving Field Demo C</p> <p>Late Jul 2017 – Decision on IOU DER Growth Scenarios for distribution planning</p> <p>Late Jul 2017 – Comments due on Energy Division's Distribution Investment Deferral Framework whitepaper</p> <p>Aug 2017 – Reply Comments on Energy Division's Distribution Investment Deferral Framework whitepaper</p> <p>Aug 2017 – Reply Comments on CPUC Decision approving Field Demo C</p> <p>Q3 2017 – Proposed Decision on DER Growth scenarios assumptions and framework</p> <p>Nov 2017 – ICA and LNBA Long-term refinements report due</p>
Catastrophic Event Memorandum Account (CEMA) 2016	A. 16-10-019	<p>Oct 31, 2016 – Application filed and testimony served</p> <p>Dec 5, 2016 – Protests or responses</p> <p>Dec 12, 2016 – Reply to protests or responses</p> <p>Dec 19, 2016 – Prehearing conference</p> <p>Oct 3, 2017 – Intervenor testimony</p> <p>Oct 24, 2017 – Rebuttal testimony</p> <p>Nov 6-9, 2017 – Hearings</p> <p>Dec 5, 2017 – Opening Briefs</p> <p>Dec 22, 2017 – Reply Briefs</p> <p>Q1, 2018 – Proposed Decision</p> <p>Q2, 2018 – Final Decision</p>
2017 Integrated Resource Plan / Long Term Procurement Plan	R.16-02-007	<p>Feb 11, 2016 – CPUC opens Order Instituting Rulemaking</p> <p>Mar 14, 2016 – Comments due on OIR</p> <p>May 26, 2016 – Scoping Memo Issued</p> <p>Jun 14, 2016 – Workshop on E3's Pathways Study hosted by State Agencies</p> <p>Jun 23, 2016 – CPUC transfers significant modeling issues from legacy LTPP proceeding to R.16-02-007 proceeding (D.16-06-042)</p> <p>Aug 11, 2016 – Staff Preliminary Proposal for an Integrated Resource Plan (IRP) Process Issued</p> <p>Aug 23, 2016 – California Air Resources Board and CPUC Joint Workshop on ARB's 2030 Scoping Plan Update for the Energy Sector</p> <p>Aug 31, 2016 – Parties submit comments on Staff's Preliminary Proposal for an IRP Process</p> <p>Sep 26, 2016 – Workshop on Staff's Preliminary Proposal for an IRP Process</p> <p>Oct 5, 2016 – Technical Advisory Group formed on modeling-related activities</p> <p>Dec 2016 – Final Proposal for an IRP Process Issued by Staff</p> <p>Winter 2017 – Workshop presenting modeling results utilizing 2016 Assumptions and Scenarios</p> <p>Winter 2017 – Decision adopting 2017 Assumptions and Scenarios issued</p> <p>Spring 2017 – Proposed decision issued on guidance for IRPs</p> <p>Spring 2017 – ARB finalizes 2030 Scoping Plan Update for the Energy Sector</p> <p>May 2017 – Decision adopting guidance for IRPs issued</p> <p>Sep 2017 – Parties file Integrated Resource Plans</p>

Exhibit H: Pacific Gas and Electric Company Expected Timelines of Selected Regulatory Cases



Regulatory Case	Docket #	Key Dates
Integration of Distributed Energy Resources	R.14-10-003	<p>Sep 22, 2015 – Decision to expand scope to include distributed energy resources (DERs) on system side of customer's meter</p> <p>Mar 24, 2016 – Working Group established to focus on contracting of DER products and services</p> <p>Apr 4, 2016 – Assigned Commissioner Ruling (ACR) introducing a regulatory incentive proposal for DER deployment</p> <p>Sep 1, 2016 – Amended Scoping Memo and Ruling re-categorizing all activities as rate-setting</p> <p>Sep 22, 2016 – Workshop to begin considering societal cost test for DERs, including values of avoided societal costs</p> <p>Dec, 2016 – Final Decision on competitive solicitation framework and regulatory incentives.</p> <p>Mar 23, 2017 – PG&E and other IOUs filed opening comments on a ruling on Energy Division's Societal Cost Test (SCT) proposal.</p> <p>Apr 6, 2017 – PG&E filed joint IOU reply comments on Energy Division's SCT proposal</p> <p>Apr 17, 2017 – PG&E files comments on interim greenhouse gas adder for SCT</p> <p>Apr 24, 2017 – PG&E filed joint IOU reply comments interim greenhouse gas adder for SCT</p> <p>May 16, 2017 – Joint IOUs filed motion for hearing on the SCT proposals</p> <p>Jun 16, 2017 – Ruling denying IOU's request for hearings on the SCT proposals and instead establishing a Workshop</p> <p>Jun 22, 2017 – Proposed Decision to allow a 1-year waiver to updating the Avoided Cost Calculator</p> <p>Aug 8, 2017 – Workshop on Energy Division's SCT proposal</p> <p>Aug 10, 2017 – Expected decision allowing a 1-year waiver to updated the Avoided Cost Calculator</p>
Diablo Canyon Retirement Joint Proposal Application	A.16-08-006	<p>Aug 11, 2016 – Application Filed</p> <p>Sep 15, 2016 – Intervenor Protests</p> <p>Oct 6, 2016 – Prehearing Conference</p> <p>Oct 20, 2016 – Public Participation Hearings in San Luis Obispo</p> <p>Dec 8, 2016 – Workshop at CPUC</p> <p>Dec 28, 2016 – Community Impact Mitigation Settlement Filed with CPUC</p> <p>Jan 27, 2017 – Intervenor Testimony & Comments On CIMP Settlement</p> <p>Mar 17, 2017 – Rebuttal Testimony & PG&E's Response To Comments On CIMP Settlement</p> <p>Apr 18-28, 2017 – Evidentiary Hearings</p> <p>May 23, 2017 - License Renewal Project and Future Cancelled Project Settlement Agreement Filed</p> <p>May 26, 2017 – Opening Briefs</p> <p>Jun 16, 2017 – Reply Briefs</p> <p>Jun 22, 2017 – Opening Comments on the License Renewal Project and Future Cancelled Project Settlement Agreement</p> <p>Jul 7, 2017 – Reply Comments on the License Renewal Project and Future Cancelled Project Settlement Agreement</p>
2015 NDCTP	A.16-03-006	<p>Mar 1, 2016 – Application Filed</p> <p>Mar 4, 2016 – Protests Received</p> <p>Jun 13, 2016 – Prehearing Conference</p> <p>Aug 9, 2016 – Humboldt Unit 3 Tour/Technical Workshop</p> <p>Aug 25, 2016 – Intervenor Testimony</p> <p>Sep 12, 2016 – PG&E Rebuttal Testimony</p> <p>Sep 19-23, 2016 – Evidentiary Hearings</p> <p>Oct 14, 2016 – Opening Briefs</p> <p>Oct 31, 2016 – Reply Briefs</p> <p>Apr 20, 2017 – Proposed Decision Issued</p> <p>May 25, 2017 – Final Decision Approved</p>

Exhibit H: Pacific Gas and Electric Company Expected Timelines of Selected Regulatory Cases



Regulatory Case	Docket #	Key Dates
Ex Parte Order Instituting Investigation and Order to Show Cause	I.15-11-015	<p>Nov 23, 2015 – OII issued</p> <p>Dec 3, 2015 – City of San Bruno, City of San Carlos and TURN comments on need for evidentiary hearings, issues and schedule in the proceeding</p> <p>Jan 8, 2016 – ALJ Bushey orders meet and confer among parties and sets prehearing conference date</p> <p>Jan 27, 2016 – Parties meet to discuss issues for hearing and briefing</p> <p>Jan 28, 2016 – PG&E (on behalf of parties) submits joint report on meet and confer to determine hearing issues</p> <p>Feb 26, 2016 – Status report on resolving hearing issues due to Commission</p> <p>Mar 1, 2016 – Prehearing conference</p> <p>Apr 18, 2016 – Joint meet and confer report filed by parties</p> <p>Apr 20, 2016 – Prehearing conference</p> <p>May 20, 2016 – Opening briefs on inclusion of additional emails ("Category 3")</p> <p>Jun 10, 2016 – Reply briefs on inclusion of Category 3 emails</p> <p>Jul 12, 2016 – Revised scoping memo</p> <p>Sep 2016 – Status conference to set schedule for rest of proceeding</p> <p>Jan 2017 – Commission grants two month extension to allow for additional settlement discussions</p> <p>Mar 28, 2017 – PG&E, Cities of San Bruno and San Carlos, ORA, SED, and TURN submit joint settlement agreement</p> <p>Jun 23, 2017 – Per an ALJ Ruling, PG&E submits supplemental briefing on joint settlement agreement</p>
Cost of Capital Petition for Modification	A.12-04-018	<p>Feb 10, 2017 – PG&E, jointly with SCE, SDG&E, SoCalGas, TURN and ORA file a petition for modification (PFM) to defer cost of capital proceeding</p> <p>Apr 14, 2017 – Proposed Decision issued approving PFM in it's entirety</p> <p>Apr 21, 2017 – PG&E, jointly with SCE, SDG&E, SoCalGas, TURN and ORA sent a letter to Commissioners acknowledging a separate Section 8 MOU</p> <p>Apr 24, 2017 – Commission holds a Ratesetting Deliberative Meeting (RDM) to discuss the Proposed Decision</p> <p>Apr 27, 2017 – Proposed Decision is withdrawn</p> <p>Apr 28, 2017 – Commission co-assigns a second ALJ to proceeding</p> <p>May 10, 2017 – New Proposed Decision is issued granting, with certain modifications, the PFM</p> <p>Jun 14, 2017 – Commission holds an All-Party Meeting</p> <p>Jul 10, 2017 – Commission holds a Ratesetting Deliberative Meeting to discuss the new Proposed Decision</p> <p>Jul 12, 2017 – Revised Proposed Decision is issued granting the PFM in it's entirety</p> <p>Jul 13, 2017 – Final Decision Approved</p>

Most of these regulatory cases are discussed in PG&E Corporation and Pacific Gas and Electric Company's combined Annual Report on Form 10-K for the year ended December 31, 2016.