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## **ATTACHMENT A**

**Appendix A to All Party Settlement Agreement Among Pacific Gas And Electric Company,  
Office Of Ratepayer Advocates, And The Utility Reform Network**

1. In future CEMA applications, PG&E shall include a section (or more) in testimony to demonstrate the reasonableness of costs requested in the application.
2. The showing on cost reasonableness for Electric Distribution will include the following (or similar) work-related metrics at the event level. For comparison purposes, where available, PG&E will also provide these metrics for a similar event type (e.g., storms, fires, earthquake) in the same CEMA application or from a prior CEMA application so that the Commission and intervenors can review and understand PG&E's emergency response performance across CEMA events. PG&E's testimony will also explain the key drivers that lead to significant different results in the emergency response performance metrics.
  - Breakout of Labor, contracts and materials cost
  - Straight time, overtime, double-time hours and cost
  - Productivity
  - Tag volume by primary facility type
  - Volume of outages by cause and duration
  - CAIDI performance with and without MEDs (major event days)
  - Safety performance
3. The parties acknowledge that the cost reasonableness showing provisions do not represent a definitive statement of the type or quantity of information that would necessarily demonstrate cost reasonableness. PG&E will continue to strive to ensure that its showing on cost reasonableness in future CEMA applications and supporting testimony achieves a sufficient level of detail consistent with the cost-recording challenges specific to the response to emergency events that qualify for CEMA treatment.

**Example of Comparison for April 6-8 2017 and March 5, 2016 storms:<sup>1</sup>**

		Marrch 5 2016 Storm	April 6-8 2017 Storm
<b>Spend</b>	Cap \$	\$ 5,364,431.13	\$ 7,450,379.24
	Exp \$	\$ 7,263,275.37	\$ 7,765,069.85
	<b>Total</b>	<b>\$ 12,627,706.50</b>	<b>\$ 15,215,449.09</b>
	Labor	\$ 3,163,522.70	\$ 4,241,573.47
	Materials	\$ 444,934.65	\$ 817,553.51
	Contracts	\$ 2,628,023.87	\$ 2,764,406.06
	<b>Other</b>	<b>\$ 6,391,225.28</b>	<b>\$ 7,391,916.05</b>
	<b>Total</b>	<b>\$ 12,627,706.50</b>	<b>\$ 15,215,449.09</b>
<b>Productivity</b>	Cap Hrs	13,093	17,991
	Exp Hrs	21,409	24,673
	<b>Total Hrs</b>	<b>34,501</b>	<b>42,664</b>
	Cap Hrs/Unit	51.34	31.23
	Exp Hrs/Unit	68.18	46.03
	<b>Total Hrs/Unit</b>	<b>60.63</b>	<b>38.37</b>
<b>Units</b>	Cap Units	255	576
	Exp Units	314	536
	<b>Total Units</b>	<b>569</b>	<b>1112</b>
	Poles	48	130
	Conductor	346	560
	Transformers	59	120
	Cross Arms	27	96
	Other	89	206
<b>Outage and Customer Impact</b>	Duration	3 Days	3 Days
	CAIDI	164	283
	3rd Party	23	24
	Animal	15	18
	Environmental/External	15	22
	Equipment Failure/Involved	376	286
	Unknown Cause	261	226
	Vegetation	533	352
	<b>Total Outages</b>	<b>1,223</b>	<b>928</b>
	<b>Customers Impacted</b>	<b>320,688</b>	<b>339,004</b>
	% Cust Restored within 12hrs	95.8%	87.30%
	% Cust Restored within 24hrs	99.40%	99%
<b>911 Standby</b>	# of 911 Standby Requests	418	306
	% 911 Requests responded to within 60 mins	96.41%	85.96%

<sup>1</sup> The "Example of Comparison" chart does not break down contractor costs by hours, materials, etc. Contractor information is provided in the "Example of Contractor Information" chart.

**Example of Contractor information for April 6-8 2017 and March 5, 2016 storms:**

Sum of Amount \$	Column Labels	
Row Labels	April 6-8 2017 Storm	March 5 2016 Storm
<b>= Construction</b>	<b>\$1,505,859.47</b>	<b>\$1,212,256.46</b>
CANUS CORPORATION	\$90,493.52	\$106,339.10
CUPERTINO ELECTRIC INC	\$79,163.87	\$48,294.75
GENERAL CONSTRUCTION	\$2,430.00	
INTERNATIONAL LINE BUILDERS INC	\$314,482.24	\$229,519.22
INTREN LLC	\$491,723.29	\$494,284.49
MGE UNDERGROUND INC	\$222,754.30	\$215,650.32
PINNACLE POWER SERVICES INC	\$38,862.96	
VETERAN POWER INC	\$10,006.36	
WILSON UTILITY CONSTRUCTION COMPANY	\$255,942.93	\$118,168.58
<b>= Environmental</b>	<b>\$8,277.50</b>	<b>\$53,633.16</b>
BRADLEY TANKS INC		\$43,498.16
PSC INDUSTRIAL OUTSOURCING LP	\$8,277.50	\$10,135.00
<b>= Excavating</b>	<b>\$10,881.46</b>	<b>\$95,951.33</b>
BEELEER CONSTRUCTION	\$5,592.96	
PAR ELECTRICAL CONTRACTORS INC		\$95,951.33
SILLER CONSTRUCTION CO	\$5,288.50	
<b>= N/A</b>	<b>\$397.65</b>	<b>\$1,395.77</b>
BENJAMIN L ARVIG		\$17.02
CONTRA COSTA HEALTH SERVICES	\$350.00	
ERIK HESSONG		\$25.52
JOANNE M VILORIA-MCGRATH		\$1,353.23
SHASTA A VICKERS	\$47.65	
<b>= Paving</b>	<b>\$3,727.46</b>	<b>\$1,796.88</b>
ARROW DRILLERS INC	\$1,896.21	
COASTAL PAVING INC		\$704.88
LINDCO INC	\$1,004.00	\$1,092.00
MISSION CONSTRUCTORS INC	\$827.25	
<b>= Traffic Control</b>	<b>\$188,763.38</b>	<b>\$58,991.16</b>
BASIN ENTERPRISES INC	\$24,448.90	
BAY AREA TRAFFIC SOLUTIONS INC	\$96,352.97	-\$938.77
CITY RISE INC	\$14,345.65	
PARMETER GENERAL ENGINEERS	\$26,280.46	-\$379.93
ROAD SAFETY INC	\$15,567.60	
TRAFFIC MANAGEMENT INC	\$11,767.80	\$60,309.86
<b>= Vegetation</b>	<b>\$586,823.71</b>	<b>\$425,544.75</b>
ACRT INC	\$6,180.32	
ARBORMETRICS SOLUTIONS INC	\$2,451.34	
DAVEY TREE SURGERY CO	\$285,228.94	\$198,797.50
FAMILY TREE SERVICE INC	\$70,359.03	\$86,529.44
THE DAVEY TREE EXPERT COMPANY	\$8,235.49	\$13,996.58
THE ORIGINAL MOWBRAY'S TREE SERVICE	\$12,429.86	
TREES INCORPORATED	\$18,471.85	
UTILITY TREE SERVICE INC	\$128,655.63	\$84,658.37
WRIGHT TREE SERVICE OF THE WEST INC	\$54,811.25	\$41,562.86
<b>= (blank)</b>	<b>\$710.28</b>	
ORIENT CONSULTING LLC	\$710.28	
<b>= Engineering</b>	<b>\$14,098.58</b>	<b>\$2,575.06</b>
ENERGY EXPERTS INTERNATIONAL	\$14,098.58	\$2,575.06
<b>Grand Total</b>	<b>\$2,319,539.49</b>	<b>\$1,852,144.57</b>