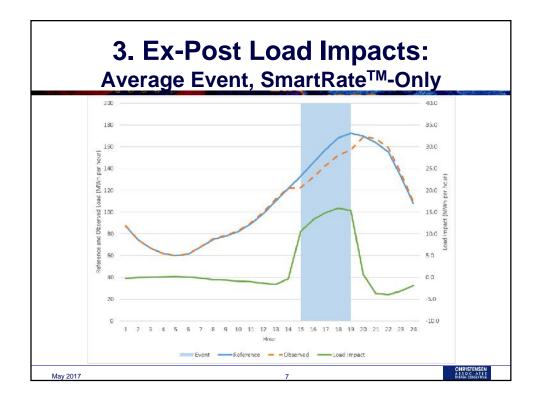
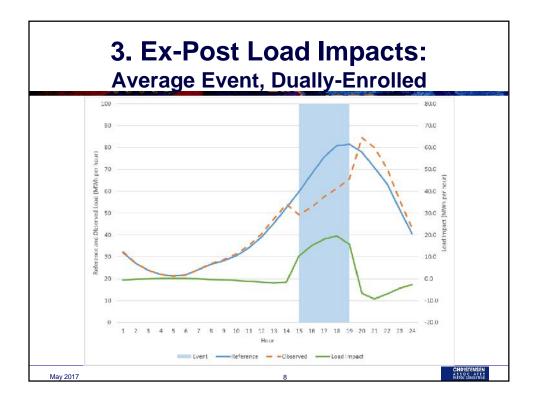
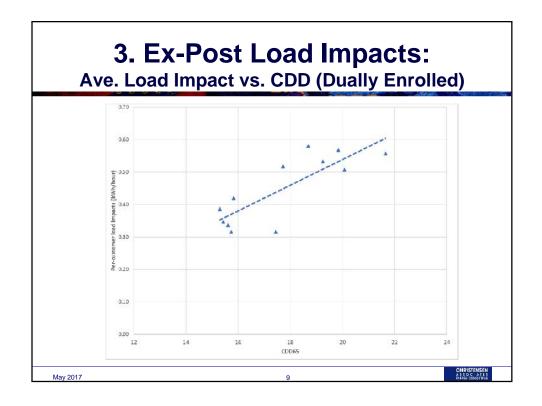


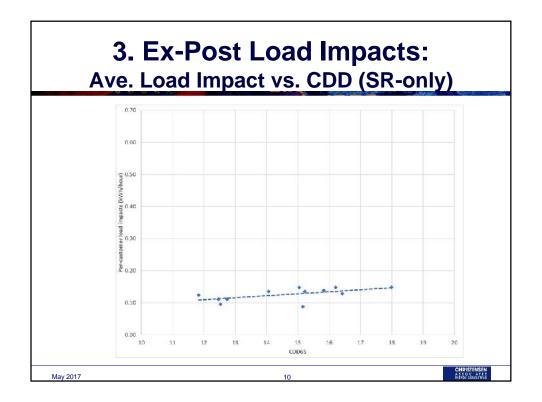
			SmartRat	e™ Only			Dually-E	nrolled	
Events	Day of Week	Enrolled	Per-Cust. Load Impact (MW)	% Load Impact	Ave. Event Temp.	Enrolled	Per-Cust. Load Impact (MW)	% Load Impact	Ave. Event Temp.
1-Jun-16	Wed	110,580	0.12	10%	89	35,856	0.39	22%	93
3-Jun-16	Fri	110,510	0.13	10%	96	35,763	0.52	25%	99
27-Jun-16	Mon	111,093	0.15	10%	95	35,549	0.58	25%	99
28-Jun-16	Tues	111,116	0.14	9%	94	35,503	0.57	25%	98
30-Jun-16	Thurs	111,098	0.11	8%	92	35,435	0.42	22%	96
14-Jul-16	Thurs	111,475	0.13	10%	93	35,279	0.32	15%	97
15-Jul-16	Fri	111,447	0.11	9%	91	35,246	0.35	19%	95
26-Jul-16	Tues	111,739	0.15	10%	97	35,117	0.53	23%	101
27-Jul-16	Wed	111,754	0.15	9%	97	35,080	0.56	23%	101
28-Jul-16	Thurs	111,787	0.13	9%	95	35,033	0.51	22%	99
17-Aug-16	Wed	111,889	0.10	7%	91	34,792	0.34	18%	95
26-Sep-16	Mon	112.177	0.09	7%	95	34.384	0.32	19%	96

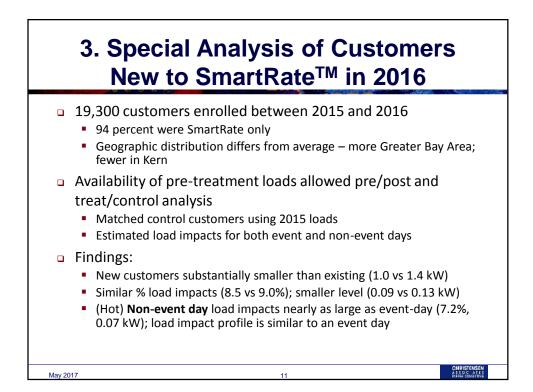
		:	SmartRate On	y	Sma	artRate + Sma	rtAC
Result Type	Hour Type	Load Impact	# Custs	Temp. °F	Load Impact	# Custs	Temp. °F
	Avg. Event Hour	14.0	111,389	93.9	15.8	35,253	97.7
Aggregate (MW)	PG&E Peak Hour	17.9	111,754	96.8	24.5	35,080	101.0
	CAISO Peak Hour	17.0	111,754	98.4	23.4	35,080	102.2
	Avg. Event Hour	0.13	111,389	93.9	0.45	35,253	97.7
Per customer	PG&E Peak Hour	0.16	111,754	96.8	0.70	35,080	101.0
(kW)	CAISO Peak Hour	0.15	111,754	98.4	0.67	35,080	102.2

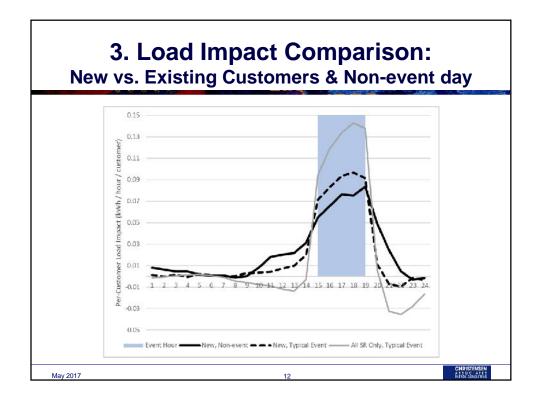


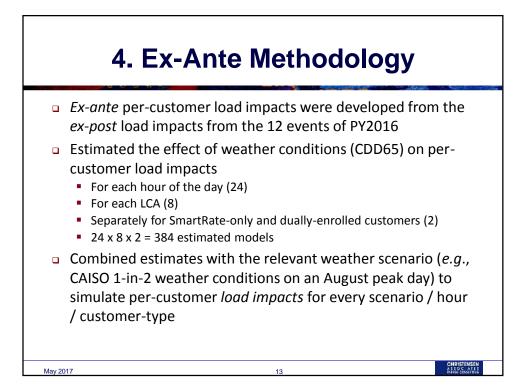


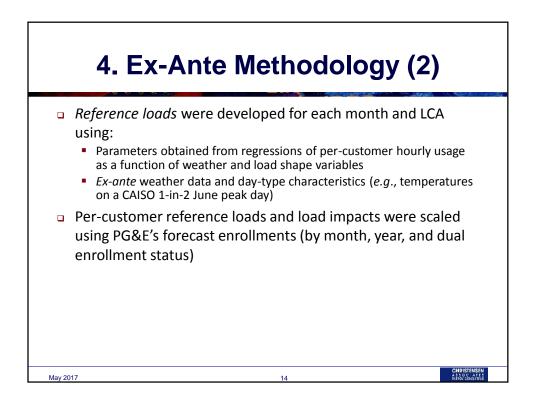


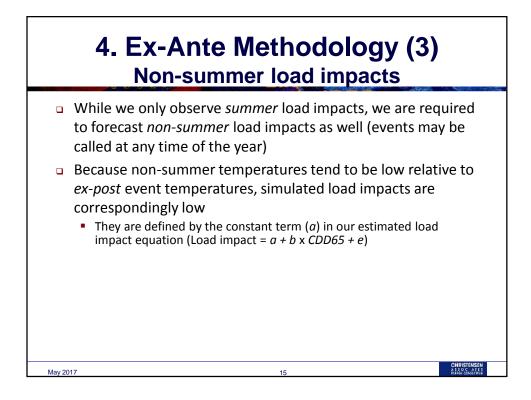












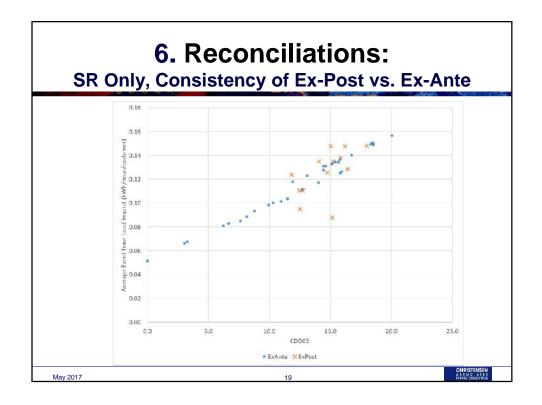
LCA  2017  2027  2017  2017  2017    Greater Bay	2018-
	2027
Area 42,530 28,699 10,110 8,166 52,640	36,865
Greater Fresno 7,959 7,959 3,335 3,335 11,294	11,294
Humboldt 1,221 1,221 175 175 1,396	1,396
Kern 6,603 6,603 1,773 1,773 8,376	8,376
Northern Coast 1,838 1,838 510 510 2,348	2,348
Other 20,124 20,097 6,599 6,599 26,723	26,696
Sierra 5,797 5,797 3,753 3,753 9,550	9,550
Stockton 6,451 6,451 3,619 3,619 10,070	10,070
Total 92,523 78,665 29,874 27,929 122,397	106,594

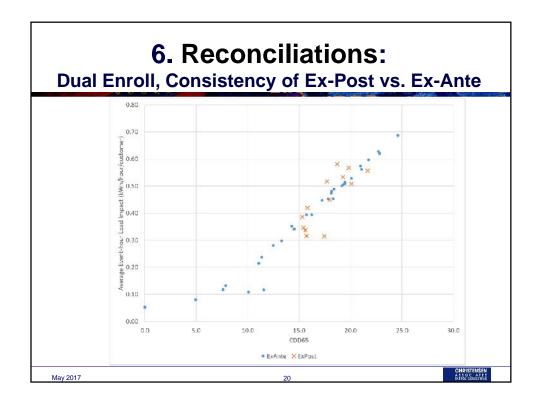
8

Group	Result Type	Time Period	# Custs	Ref. Load	Event Load	Load Impact	% Load Impact	Avg. Temp.	
		RA Window (1-6 pm)		132.5	123.4	9.1	7%	95.0	
SmartRate	Agg (MW)	Event Hours (2-7 pm)	lours	123.3	111.5	11.8	10%	94.9	
Only	Per cust	RA Window (1-6 pm) 78,665	1.68	1.57	0.12				
	(kW)	Event Hours (2-7 pm)		1.57	1.42	0.15			
		RA Window (1-6 pm)		57.6	46.3	11.3	20%	98.8	
Dual		Event Hours		62.9	48.5	14.4	23%	98.8	
Enrolled	Per cust	(2-7 pm) RA Window (1-6 pm)	27,929	2.06	1.66	0.40			
	(kW)	Event Hours (2-7 pm)		2.25	1.74	0.52			

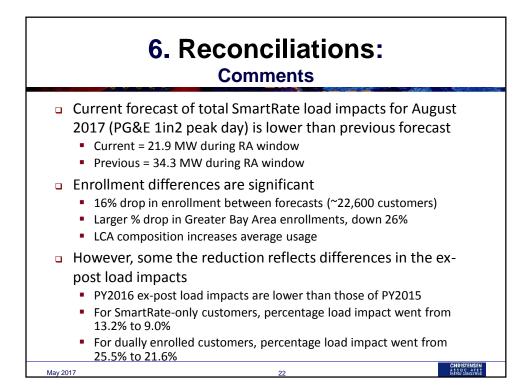
6. Reconciliations (1	):
Ex-Post (2016) vs. Ex-Ante (20	17)

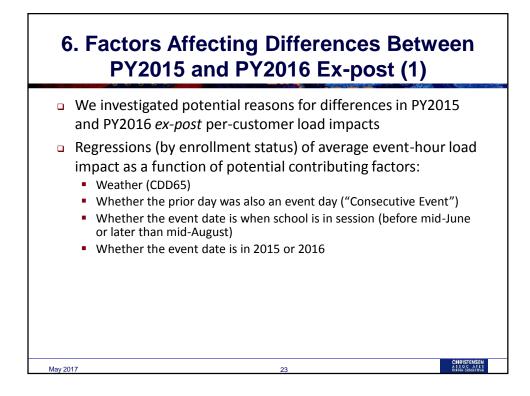
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				Aggrega	te (MW)	Per-Custo	mer (kW)		Avg.
Smarkate Only  ExAnte  2017  92,523  143.3  13.0  1.55  0.14  9.1%  94    Dually Enrolled  ExPost (2016)  35,253  73.1  15.8  2.07  0.45  21.6%  98    Exrolled  ExAnte (2017)  29,874  66.0  15.2  2.21  0.51  23.1%  98    Ex-post reflects the average 2016 event day.  Ex-ante reflects PG&E 1in2 August peak day, 2017.  2017.  2017.		1		Ref. Load		Ref. Load			Event
Only  ExAnte (2017)  92,523  143.3  13.0  1.55  0.14  9.1%  94    Dually Enrolled  ExPost (2016)  35,253  73.1  15.8  2.07  0.45  21.6%  98    Exnotled  ExAnte (2017)  29,874  66.0  15.2  2.21  0.51  23.1%  98    Ex-post reflects the average 2016 event day.  Ex-ante reflects PG&E lin2 August peak day, 2017.  2017.  2017.  2017.	SmartRate <sup>™</sup>	ExPost (2016)	111,389	155.3	14.0	1.39	0.13	9.0%	94
Buarry Enrolled  Exante (2017)  29,874  66.0  15.2  2.21  0.51  23.1%  98    Ex-post reflects the average 2016 event day.  Ex-ante reflects PG&E 1in2 August peak day, 2017.  Ex-ante context and cont		ExAnte (2017)	92,523	143.3	13.0	1.55	0.14	9.1%	94
Ex-post reflects the average 2016 event day. Ex-ante reflects PG&E 1in2 August peak day, 2017.	Dually	ExPost (2016)	35,253	73.1	15.8	2.07	0.45	21.6%	98
Ex-ante reflects PG&E 1in2 August peak day, 2017.	Enrolled	ExAnte (2017)	29,874	66.0	15.2	2.21	0.51	23.1%	98
	E <i>x-ante</i> refl	ects PG&E	1in2 Aug	ust pea	k day, i		parability	/.	
CHP									





Enrollment	Program /	Year of		Aggrega	. ,	Per-Cust. (kW)		% Load	Avg.
Туре	Portfolio	Forecast	Enrolled	Ref. Load	Load Impact	Ref. Load	Load Impact	Impact	Event Temp.
SmartRate <sup>™</sup>	Program	2015	110,200	149.1	18.3	1.35	0.17	12.3%	94
only	=Portfolio	2016	92,523	133.4	10.0	1.44	0.11	7.5%	94
Dually-	Program	2015	34,800	59.9	16.0	1.72	0.46	26.7%	98
		2016	29,874	60.2	11.9	2.02	0.40	19.7%	98
enrolled	Portfolio	2015	34,800	59.9	3.4	1.72	0.10	5.6%	98
	Portfolio	2016	29,874	60.2	2.5	2.02	0.08	4.1%	98
S&E 1in2 s sults shov		0							





## 6. Factors Affecting Differences Between PY2015 and PY2016 Ex-post (2)

Variable	SmartRate <sup>™</sup> Only	Dually-enrolled
CDD65	0.007 (0.001)	0.036 (0.000)
Consecutive Event	-0.017 (0.018)	-0.048 (0.080)
School	-0.015 (0.031)	-0.048 (0.084)
PY2016 Event	-0.076 (0.000)	-0.072 (0.011)
Constant	0.102 (0.003)	-0.090 (0.493)

p-values in parentheses.

Dependent variable is average event-hour load impact in kWh/hour/customer.

- Load impacts are strongly affected by weather conditions (not surprising).
- SmartRate<sup>™</sup>-only load impacts smaller when previous day also event day.
- Load impacts are *lower* when school is in session.
- Controlling for the above variables, PY2016 load impacts are lower than PY2015.

May 2017

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