

SAN DIEGO GAS & ELECTRIC 2017 METRICS RESULTS

BASE CATEGORY	Spreadsheet Index	PA	Units of Measurement	Metric Type	Metric/Indicator	Business Plan Att A Description	Sector	Reporting Year	Reporting Number	Numerator (for metrics/indicators where unit of measurement is 'percent')	Denominator (for metrics/indicators where unit of measurement is 'percent')	Short Term Target			Mid Term Target (2021-2023)	Long Term Target (2024-2025)	Methodology	Key Definitions	Proxy Explanation (1) What other data sources were considered? 2) Is a study need identified? 3) If yes, provide brief scope, costs and estimated timeframe (start and completion)
												2017	2018	2019					
		1 SDGE	Metric Ton	NEW: Energy Savings	Metric	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	Portfolio Level (PL)- All Sectors	2,017	123,248.00	N/A	N/A	2,018.00 76,996.30	2,019.00 80,846.11	2,020.00 84,888.42	92,528.37	94,378.94			
SAVINGS		2 SDGE	First year annual kW gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	51,153.90	N/A	N/A	49,464.30	52,930.37	57,315.72	78,051.16	80,977.06	CEDARS and Reporting Warehouse	None	
SAVINGS		3 SDGE	First year annual kW net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	41,771.08	N/A	N/A	43,794.83	46,932.22	51,186.49	70,091.61	71,311.54	CEDARS and Reporting Warehouse	None	
SAVINGS		4 SDGE	First year annual kWh gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	283,068,357.89	N/A	N/A	229,181,761.52	249,196,970.81	254,641,276.49	309,056,611.35	325,110,871.05	CEDARS and Reporting Warehouse	None	
SAVINGS		5 SDGE	First year annual kWh net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	227,296,995.16	N/A	N/A	201,672,144.39	219,896,561.74	224,552,672.07	269,641,122.75	278,725,313.49	CEDARS and Reporting Warehouse	None	
SAVINGS		6 SDGE	First year annual Therm gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	377,385.83	N/A	N/A	3,668,761.19	3,959,302.69	4,848,044.55	6,014,172.42	6,165,517.86	CEDARS and Reporting Warehouse	None	
SAVINGS		7 SDGE	First year annual Therm net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	-118,747.73	N/A	N/A	3,365,102.69	3,602,467.63	4,111,825.56	5,018,666.08	5,233,663.23	CEDARS and Reporting Warehouse	None	
SAVINGS		8 SDGE	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	450,070.56	N/A	N/A	328,863.73	351,907.98	381,064.00	518,923.70	538,376.58	CEDARS and Reporting Warehouse	None	
SAVINGS		9 SDGE	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	356,749.65	N/A	N/A	238,002.39	255,052.48	278,172.30	380,911.91	387,541.61	CEDARS and Reporting Warehouse	None	
SAVINGS		10 SDGE	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	3,105,546,718.36	N/A	N/A	2,383,262,773.53	2,591,401,077.78	2,648,016,451.37	3,213,881,906.88	3,380,830,268.08	CEDARS and Reporting Warehouse	None	
SAVINGS		11 SDGE	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	2,487,711,865.03	N/A	N/A	1,953,734,962.65	2,130,287,264.71	2,175,394,166.24	2,612,196,595.11	2,700,201,317.37	CEDARS and Reporting Warehouse	None	
SAVINGS		12 SDGE	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	-12,872,741.24	N/A	N/A	27,876,600.90	30,084,242.38	36,837,230.86	45,697,900.64	46,847,879.07	CEDARS and Reporting Warehouse	None	
SAVINGS		13 SDGE	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Portfolio Level (PL)- All Sectors	2,017	-16,920,516.42	N/A	N/A	21,343,246.46	22,848,739.44	26,079,354.61	31,831,012.89	33,194,637.58	CEDARS and Reporting Warehouse	None	
SAVINGS - DAC		14 SDGE	First year annual kW gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Portfolio Level (PL)- All Sectors	2,017	1,571.83	N/A	N/A	744.14	778.12	813.65	885.71	901.71	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.	

SAVINGS - DAC	15	SDGE	First year annual kW net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	1,352.20	N/A	N/A	516.87	541.75	567.83	618.88	624.18	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	16	SDGE	First year annual kWh gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	10,110,951.92	N/A	N/A	3,659,611.51	3,781,576.46	3,907,606.17	4,136,942.47	4,239,085.40	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	17	SDGE	First year annual kWh net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	8,764,539.45	N/A	N/A	2,598,006.38	2,686,246.64	2,777,483.94	2,932,297.68	2,980,082.27	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	18	SDGE	First year annual Therm gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	-99,644.59	N/A	N/A	37,425.98	40,460.59	43,741.26	46,568.36	47,139.92	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	19	SDGE	First year annual Therm net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	-92,969.31	N/A	N/A	29,650.86	31,445.76	33,349.32	35,357.99	36,084.24	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	20	SDGE	Lifecycle ex-ante kW gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	17,231.36	N/A	N/A	8,007.92	8,373.58	8,755.93	9,531.31	9,703.51	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	21	SDGE	Lifecycle ex-ante kW net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	15,302.16	N/A	N/A	5,507.98	5,773.11	6,051.01	6,595.03	6,651.44	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	22	SDGE	Lifecycle ex-ante kWh gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	126,252,337.62	N/A	N/A	40,115,348.35	41,452,284.40	42,833,776.92	45,347,679.15	46,467,333.22	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	23	SDGE	Lifecycle ex-ante kWh net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	112,435,014.56	N/A	N/A	28,047,242.43	28,999,855.91	29,984,824.53	31,656,143.89	32,172,011.01	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.
SAVINGS - DAC	24	SDGE	Lifecycle ex-ante Therm gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	-1,524,227.45	N/A	N/A	79,197.59	85,619.18	92,561.44	98,543.89	99,753.38	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.

SAVINGS - DAC	25	SDGE	Lifecycle ex-ante Therm net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities••	Portfolio Level (PL)– All Sectors	2,017	-1,413,880.05	N/A	N/A	31,994.15	33,930.91	35,984.90	38,152.31	38,935.95	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.	
SAVINGS-HTR	26	SDGE	First year annual kW gross	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	1,571.83	N/A	N/A	744.14	778.12	813.65	885.71	901.71	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	27	SDGE	First year annual kW net	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	1,352.20	N/A	N/A	516.87	541.75	567.83	618.88	624.18	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	28	SDGE	First year annual kWh gross	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	10,110,951.92	N/A	N/A	3,659,611.51	3,781,576.46	3,907,606.17	4,136,942.47	4,239,085.40	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	29	SDGE	First year annual kWh net	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	8,764,539.45	N/A	N/A	2,598,006.38	2,686,246.64	2,777,483.94	2,932,297.68	2,980,082.27	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	30	SDGE	First year annual Therm gross	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	-99,644.59	N/A	N/A	37,425.98	40,460.59	43,741.26	46,568.36	47,139.92	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	31	SDGE	First year annual Therm net	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	-92,969.31	N/A	N/A	29,650.86	31,445.76	33,349.32	35,357.99	36,084.24	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward

SAVINGS-HTR	32	SDGE	Lifecycle ex-ante kW gross	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	17,231.36	N/A	N/A	8,007.92	8,373.58	8,755.93	9,531.31	9,703.51	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	33	SDGE	Lifecycle ex-ante kW net	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	15,302.16	N/A	N/A	5,507.98	5,773.11	6,051.01	6,595.03	6,651.44	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	34	SDGE	Lifecycle ex-ante kW gross	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	126,252,337.62	N/A	N/A	40,115,348.35	41,452,284.40	42,833,776.92	45,347,679.15	46,467,333.22	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	35	SDGE	Lifecycle ex-ante kWh net	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	112,435,014.56	N/A	N/A	28,047,242.43	28,999,855.91	29,984,824.53	31,656,143.89	32,172,011.01	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	36	SDGE	Lifecycle ex-ante Therm gross	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	-1,524,227.45	N/A	N/A	79,197.59	85,619.18	92,561.44	98,543.89	99,753.38	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
SAVINGS-HTR	37	SDGE	Lifecycle ex-ante Therm net	S4: Hard to reach markets	Metric	PL3-S4 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets••	Portfolio Level (PL)– All Sectors	2,017	-1,413,880.05	N/A	N/A	31,994.15	33,930.91	35,984.90	38,152.31	38,935.95	Savings data from Reporting Warehouse and CEDARS. Population data from CISCO	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
COST PER UNIT SAVED	38	SDGE	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Portfolio Level (PL)– All Sectors	2,017	183.52	N/A	N/A	290.54	289.08	287.64	286.20	284.77	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	39	SDGE	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Portfolio Level (PL)– All Sectors	2,017	0.03	N/A	N/A	0.06	0.06	0.06	0.06	0.06	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	40	SDGE	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Portfolio Level (PL)– All Sectors	2,017	0.23	N/A	N/A	0.42	0.41	0.41	0.41	0.41	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	41	SDGE	TRC Levelized Cost (\$/kW)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Portfolio Level (PL)– All Sectors	2,017	377.00	N/A	N/A	409.30	407.25	405.22	403.19	401.17	CEDARS and Reporting Warehouse	None	

COST PER UNIT SAVED	42	SDGE	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Portfolio Level (PL)- All Sectors	2,017	0.05	N/A	N/A	0.09	0.09	0.09	0.09	0.09	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	43	SDGE	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Portfolio Level (PL)- All Sectors	2,017	0.47	N/A	N/A	0.59	0.58	0.58	0.58	0.57	CEDARS and Reporting Warehouse	None	
SAVINGS	44	SDGE	First year annual kW gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	28,889.37	N/A	N/A	38,055.98	39,793.69	41,610.74	45,295.58	46,113.90	CEDARS and Reporting Warehouse	None	
SAVINGS	45	SDGE	First year annual kW net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	25,177.87	N/A	N/A	35,093.26	36,782.49	38,553.04	42,019.21	42,378.63	CEDARS and Reporting Warehouse	None	
SAVINGS	46	SDGE	First year annual kWh gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	173,054,024.33	N/A	N/A	70,479,219.39	72,828,101.14	75,255,264.77	79,671,974.93	81,639,110.90	CEDARS and Reporting Warehouse	None	
SAVINGS	47	SDGE	First year annual kWh net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	149,361,661.47	N/A	N/A	53,104,884.40	54,908,570.76	56,773,518.62	59,938,008.72	60,914,755.86	CEDARS and Reporting Warehouse	None	
SAVINGS	48	SDGE	First year annual Therm gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	-927,801.42	N/A	N/A	885,322.77	957,107.48	1,034,712.72	1,101,588.49	1,115,108.88	CEDARS and Reporting Warehouse	None	
SAVINGS	49	SDGE	First year annual Therm net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	-796,706.31	N/A	N/A	701,654.88	744,129.26	789,174.81	836,707.74	853,893.58	CEDARS and Reporting Warehouse	Clarify that ex ante here means claimed savings	
SAVINGS	50	SDGE	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	276,289.67	N/A	N/A	141,338.44	147,792.22	154,540.69	168,226.02	171,265.23	CEDARS and Reporting Warehouse	Clarify that ex ante here means claimed savings	
SAVINGS	51	SDGE	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	227,602.36	N/A	N/A	100,926.05	105,784.17	110,876.15	120,844.66	121,878.31	CEDARS and Reporting Warehouse	Clarify that ex ante here means claimed savings	
SAVINGS	52	SDGE	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	2,198,974,104.58	N/A	N/A	669,008,045.26	691,304,273.87	714,343,575.47	756,268,197.51	774,940,790.66	CEDARS and Reporting Warehouse	Clarify that ex ante here means claimed savings	
SAVINGS	53	SDGE	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	1,847,212,081.17	N/A	N/A	424,986,810.57	439,421,319.26	454,346,090.31	479,670,814.62	487,487,508.98	CEDARS and Reporting Warehouse	Clarify that ex ante here means claimed savings	
SAVINGS	54	SDGE	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	-27,815,785.32	N/A	N/A	1,784,810.14	1,929,528.07	2,085,980.18	2,220,801.70	2,248,058.79	CEDARS and Reporting Warehouse	Clarify that ex ante here means claimed savings	
SAVINGS	55	SDGE	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Residential (RSF)	2,017	-24,466,669.84	N/A	N/A	679,849.34	721,003.73	764,649.39	810,705.12	827,356.87	CEDARS and Reporting Warehouse	Clarify that ex ante here means claimed savings	
GHG	56	SDGE	MT CO2eq	GHG	Metric	RSF2-G**Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis**	Residential (RSF)	2,017	73,104	N/A	N/A	25,311.15	26,154.70	27,026.37	28,612.54	29,318.99	Per CEDARS	Definition: Single family are defined as Service account on residential rates, with dwelling code of single family home or single family dwelling.	

INTERVENTION - AVG SAVINGS PER PART.	57	SDGE	Lifecycle NET kW	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1D - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	3.58	214,811.70	60,067.00	0.46	0.47	0.49	0.52	0.53	D1D: Downstream methodology- **Numerator: Total downstream savings claimed**Denominator: Total number of downstream participants	Per ED: "Energy savings" = lifecycle NET savings.	
INTERVENTION - AVG SAVINGS PER PART.	58	SDGE	Lifecycle NET kWh	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1D - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	31,031.42	1,863,964,103.68	60,067.00	3,288.09	3,397.67	3,510.90	3,716.96	3,808.73	D1D: Downstream methodology- **Numerator: Total downstream savings claimed**Denominator: Total number of downstream participants	Per ED: "Energy savings" = lifecycle NET savings.	
INTERVENTION - AVG SAVINGS PER PART.	59	SDGE	Lifecycle NET Therms	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1D - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	-458.27	-27,526,892.91	60,067.00	-5.46	-5.64	-5.83	-6.17	-6.32	D1D: Downstream methodology- **Numerator: Total downstream savings claimed**Denominator: Total number of downstream participants	Per ED: "Energy savings" = lifecycle NET savings.	
INTERVENTION - AVG SAVINGS PER PART.	60	SDGE	Lifecycle NET kW	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1M - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	D1M: Midstream methodology--NOT FEASIBLE***Numerator: Total midstream savings claimed **Denominator: (not available) number or sector of midstream participants	Peter, the denominator is not feasible, do you want the PAs to just report the numerator? Per ED: "Energy savings" = lifecycle NET savings.	
INTERVENTION - AVG SAVINGS PER PART.	61	SDGE	Lifecycle NET kWh	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1M - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	D1M: Midstream methodology--NOT FEASIBLE***Numerator: Total midstream savings claimed **Denominator: (not available) number or sector of midstream participants	Peter, the denominator is not feasible, do you want the PAs to just report the numerator? Per ED: "Energy savings" = lifecycle NET savings.	
INTERVENTION - AVG SAVINGS PER PART.	62	SDGE	Lifecycle NET Therms	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1M - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	D1M: Midstream methodology--NOT FEASIBLE***Numerator: Total midstream savings claimed **Denominator: (not available) number or sector of midstream participants	Peter, the denominator is not feasible, do you want the PAs to just report the numerator? Per ED: "Energy savings" = lifecycle NET savings.	
INTERVENTION - AVG SAVINGS PER PART.	63	SDGE	Lifecycle NET kW	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1O - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	0.02	11,535.00	550,000.00	1.47	1.48	1.57	1.58	1.58	D1O Methodology: Only ex post savings can be claimed. Per participant savings will be calculated in the EM&V study.	D1O Key Definitions: 1) The only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	Source of data will be ED EM&V Behavior study. SDG&E will use the 2015 result as ED has deferred completion of the 2016 EM&V Study.

INTERVENTION - AVG SAVINGS PER PART.	64	SDGE	Lifecycle NET kWh	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1O - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	63.67	35,018,092.00	550,000.00	70.65	76.89	80.00	80.00	80.00	D1O Methodology: Only ex post savings can be claimed. Per participant savings will be calculated in the EM&V study.	D1O Key Definitions: 1) The only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	Source of data will be ED EM&V Behavior study. SDG&E will use the 2015 result as ED has deferred completion of the 2016 EM&V Study.
INTERVENTION - AVG SAVINGS PER PART.	65	SDGE	Lifecycle NET Therms	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1O - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	1.42	783,069.00	550,000.00	2.06	2.16	2.50	2.50	2.50	D1O Methodology: Only ex post savings can be claimed. Per participant savings will be calculated in the EM&V study.	D1O Key Definitions: 1) The only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	Source of data will be ED EM&V Behavior study. SDG&E will use the 2015 result as ED has deferred completion of the 2016 EM&V Study.
INTERVENTION - AVG SAVINGS PER PART.	66	SDGE	Lifecycle NET kW	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1U- Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	D1U: Upstream methodology- NOT FEASIBLE**Numerator: Total upstream savings claimed**Denominator: (not available) number or sector of of upstream participants	Peter, the denominator is not feasible, do you want the PAs to just report the numerator? Per ED: "Energy savings" = lifecycle NET savings.	
INTERVENTION - AVG SAVINGS PER PART.	67	SDGE	Lifecycle NET kWh	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1U- Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	D1U: Upstream methodology- NOT FEASIBLE**Numerator: Total upstream savings claimed**Denominator: (not available) number or sector of of upstream participants	Peter, the denominator is not feasible, do you want the PAs to just report the numerator? Per ED: "Energy savings" = lifecycle NET savings.	
INTERVENTION - AVG SAVINGS PER PART.	68	SDGE	Lifecycle NET Therms	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1U- Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)**	Residential (RSF)	2,017	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	NOT FEASIBLE	D1U: Upstream methodology- NOT FEASIBLE**Numerator: Total upstream savings claimed**Denominator: (not available) number or sector of of upstream participants	Peter, the denominator is not feasible, do you want the PAs to just report the numerator? Per ED: "Energy savings" = lifecycle NET savings.	

PENETRATION	69	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market ••Percent of Participation	Metric	RSF-P1••Percent of participation relative to eligible population••	Residential (RSF)	2,017	0.74	610,081.00	824,937.00	0.70	0.71	0.72	0.70	0.66	P1 Methodology: ••Numerator: Number of downstream participants) ••Denominator: total number of service accounts in the sector	Definition: "Eligible population" refers to Total number of service accounts in sector/segment, excluding CARE. "Participation" is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. ••		
PENETRATION - DAC	70	SDGE	Percent	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric	RSF-P3 - Percent of participation in disadvantaged communities••	Residential (RSF)	2,017	0.01	221.00	23,827.00	0.01	0.01	0.01	0.01	0.01	0.01	Numerator: Number of participants in disadvantaged communities. ••••Denominator: Total number of customers in disadvantaged communities.	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.	
PENETRATION -HTR	71	SDGE	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	RSF-P4 - Percent of participation by customers defined as "hard-to-reach"••	Residential (RSF)	2,017	0.01	221.00	23,827.00	0.01	0.01	0.01	0.01	0.01	0.01	P4 Methodology:••Numerator: number of participants in HTR geographic area••Denominator : Total number of service accounts in HTR geographic area	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
COST PER UNIT SAVED	72	SDGE	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Residential (RSF)	2,017	181.57	N/A	N/A	233.49	232.32	231.16	230.01	228.86	CEDARS and Reporting Warehouse	None		
COST PER UNIT SAVED	73	SDGE	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Residential (RSF)	2,017	0.02	N/A	N/A	0.05	0.05	0.05	0.05	0.05	0.05	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	74	SDGE	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Residential (RSF)	2,017	0.21	N/A	N/A	0.13	0.13	0.13	0.13	0.13	0.13	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	75	SDGE	TRC Levelized Cost (\$/kW)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Residential (RSF)	2,017	405.04	N/A	N/A	357.02	355.24	353.46	351.69	349.93	CEDARS and Reporting Warehouse	None		
COST PER UNIT SAVED	76	SDGE	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Residential (RSF)	2,017	0.05	N/A	N/A	0.08	0.08	0.08	0.08	0.08	0.08	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	77	SDGE	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Residential (RSF)	2,017	0.47	N/A	N/A	0.20	0.20	0.20	0.20	0.20	0.20	CEDARS and Reporting Warehouse	None	
INTENSITY	78	SDGE	Btu	Energy intensity per SF household	Indicator	RSF-EI1(Indicator) - Average energy use intensity of single family homes (average usage per household – not adjusted)••	Residential (RSF)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total energy used in sector••Denominator: number of service accounts	Definition: Household refers to a service account	

INTENSITY	79	SDGE	Btu	Energy Intensity per MF unit	Indicator	RMF-E12[Indicator] - and Average energy use intensity of multifamily units, including in-unit accounts)	Residential Sector – Multi-family (RMF)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total usage of Res MF sector Denominator: total units in Res MF sector	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.	
INTENSITY	80	SDGE	Btu	Energy Intensity per MF unit square foot	Indicator	RMF-E13[Indicator] Average energy use intensity of multifamily buildings (average usage per square foot – not adjusted)	Residential Sector – Multi-family (RMF)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total usage of Res MF sector Denominator: average number of units in MF building times average square footage of MF units	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.	
BENCHMARKING	81	SDGE	Percent	B1: MF Benchmarking Penetration	Metric	RMF-B1 - Percent of benchmarked multi-family properties relative to the eligible population	Residential Sector – Multi-family (RMF)	2,017	0.04	262.00	6,345.55	0.01	0.01	0.01	0.01	0.01	Total benchmarked units in RMF sector Total number of service account in RMF sector Benchmarked via Portfolio Manager 2019 MF with 17 or units MUST Benchmark Numerator: Total number of RMF properties benchmarked via Portfolio Manager. Denominator: Total number of MF properties in the PA territory	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.	
BENCHMARKING -HTR	82	SDGE	Percent	B6: Benchmarking of HTR Properties	Metric	B6(RMF) - Percent of benchmarking by properties defined as "hard-to-reach"	Residential Sector – Multi-family (RMF)	2,017	0.07	16.94	239.07	0.02	0.02	0.02	0.02	0.02	0.02	Benchmarking per Portfolio Manager. Service accounts x premise IDs in HTR market Proxy, if characteristics other than geo location aren't known, develop proxy using just geo location	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward

PENETRATION	83	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market ••Percent of Participation	Metric	RMF-P1P ••Percent of participation relative to eligible population (by unit, and property)••	Residential Sector – Multi-family (RMF)	2,017	0.06	351.00	6,345.55	0.04	0.04	0.04	0.04	0.04	P1 Methodology: ••Numerator: Number of downstream participating properties (service accounts x premise ID) ••Denominator: total number of properties (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. ••	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.	
PENETRATION	84	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market ••Percent of Participation	Metric	RMF-P1U ••Percent of participation relative to eligible population (by unit, and property)••	Residential Sector – Multi-family (RMF)	2,017	0.06	26,219.00	474,000.00	0.04	0.04	0.04	0.04	0.04	P1 Methodology: ••Numerator: Number of downstream participating MF units (this may be self-reported on application for building-level retrofits) ••Denominator: total number of units (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. ••	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.	
PENETRATION	85	SDGE	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	RMF-P2 - Percent of square feet of eligible population participating (by property)••	Residential Sector – Multi-family (RMF)	2,017	0.06	21,683,113.00	391,998,000.00	0.04	0.04	0.04	0.04	0.04	P2 Methodology: ••••Numerator: square footage of participating service accounts (x Premise IDs)••••Denominator: Square footage of all eligible accounts (x Premise IDs)		SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.	
PENETRATION - DAC	86	SDGE	Percent	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric	RMF-P3 - Percent of participation in disadvantaged communities••	Residential Sector – Multi-family (RMF)	2,017	0.04	1,160.00	30,661.00	0.00	0.00	0.00	0.00	0.00	0.00	Numerator: Number of participants in disadvantaged communities. ••••Denominator: Total number of customers in disadvantaged communities.	D.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
PENETRATION -HTR	87	SDGE	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	RMF-P4•• Percent of participation by customers defined as "hard-to-reach"••	Residential Sector – Multi-family (RMF)	2,017	0.04	1,160.00	30,661.00	0.00	0.00	0.00	0.00	0.00	0.00	P4 Methodology:••Numerator: number of participants in HTR geographic area••Denominator: Total number of service accounts in HTR geographic area	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward

INTERVENTION - SAV PER PROJECT	88	SDGE	Lifecycle NET kW	D3: Depth of interventions per building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)****	Residential Sector – Multi-family (RMF)	2,017	2.88	8,435.96	2,931.22	5.92	6.12	6.32	6.69	6.86	••D3 Methodology:••Numerator: Total Savings claimed for MF building retrofits••Denominator: Number of buildings that have been retrofitted, per application.	D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level; building information will be used as is available on project applications••“Energy savings” = Lifecycle NET savings	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
INTERVENTION - SAV PER PROJECT	89	SDGE	Lifecycle NET kWh	D3: Depth of interventions per building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)****	Residential Sector – Multi-family (RMF)	2,017	27,454.69	80,475,791.03	2,931.22	22,756.95	23,515.38	24,299.08	25,725.19	26,360.35	••D3 Methodology:••Numerator: Total Savings claimed for MF building retrofits••Denominator: Number of buildings that have been retrofitted, per application.	D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level; building information will be used as is available on project applications••“Energy savings” = Lifecycle NET savings	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
INTERVENTION - SAV PER PROJECT	90	SDGE	Lifecycle NET Therms	D3: Depth of interventions per building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)****	Residential Sector – Multi-family (RMF)	2,017	318.51	933,632.47	2,931.22	227.58	235.16	243.00	257.26	263.61	••D3 Methodology:••Numerator: Total Savings claimed for MF building retrofits••Denominator: Number of buildings that have been retrofitted, per application.	D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level; building information will be used as is available on project applications••“Energy savings” = Lifecycle NET savings	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory.
INTERVENTION - SAV PER PROJECT	91	SDGE	Lifecycle NET kW	D4: Depth of interventions per property	Metric	RMF-D4 - Average savings per participant Savings per project (property)••	Residential Sector – Multi-family (RMF)	2,017	14.46	4,960.08	343.00	10.79	11.15	11.52	12.20	12.50	••D4 Methodology:••Numerator - Total downstream savings ••••Denominator - number of participating properties (i.e., premise ID x service account)••	D4 Definition: “Project (property)” is defined by a unique combination of premise ID and service account. “Energy savings” = Lifecycle NET savings	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory.
INTERVENTION - SAV PER PROJECT	92	SDGE	Lifecycle NET kWh	D4: Depth of interventions per property	Metric	RMF-D4 - Average savings per participant Savings per project (property)••	Residential Sector – Multi-family (RMF)	2,017	213,320.54	73,168,944.66	343.00	41,669.51	43,058.24	44,493.26	47,104.55	48,267.58	••D4 Methodology:••Numerator - Total downstream savings ••••Denominator - number of participating properties (i.e., premise ID x service account)••	D4 Definition: “Project (property)” is defined by a unique combination of premise ID and service account. “Energy savings” = Lifecycle NET savings	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory.

INTERVENTION - SAV PER PROJECT	93	SDGE	Lifecycle NET Therms	D4: Depth of interventions per property	Metric	RMF-D4 - Average savings per participant Savings per project (property)**	Residential Sector – Multi-family (RMF)	2,017	2,166.80	743,212.50	343.00	274.12	283.25	292.69	309.87	317.52	••D4 Methodology:••Numerator - Total downstream savings ••••Denominator - number of participating properties (i.e., premise ID x service account)**	D4 Definition: "Project (property)" is defined by a unique combination of premise ID and service account. "Energy savings" = Lifecycle NET savings	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
INTERVENTION SAV PER SQR FOOT	94	SDGE	Lifecycle NET kW	D5: Depth of interventions**Per square foot	Metric	RMF-D5** Energy savings (kWh, kw, therms) per square foot**	Residential Sector – Multi-family (RMF)	2,017	0.00	4,960.08	21,817,087.00	0.00	0.00	0.00	0.00	0.00	D5 Methodology: ••[Numerator] Total downstream savings ••••[Denominator] Total number of MF service accounts participating. x average square footage of MF service account.	Per ED: "Energy savings" = lifecycle NET savings.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
INTERVENTION SAV PER SQR FOOT	95	SDGE	Lifecycle NET kWh	D5: Depth of interventions**Per square foot	Metric	RMF-D5** Energy savings (kWh, kw, therms) per square foot**	Residential Sector – Multi-family (RMF)	2,017	3.35	73,168,944.66	21,817,087.00	2.69	2.78	2.87	3.04	3.11	D5 Methodology: ••[Numerator] Total downstream savings ••••[Denominator] Total number of MF service accounts participating. x average square footage of MF service account.	Per ED: "Energy savings" = lifecycle NET savings.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
INTERVENTION SAV PER SQR FOOT	96	SDGE	Lifecycle NET Therms	D5: Depth of interventions**Per square foot	Metric	RMF-D5** Energy savings (kWh, kw, therms) per square foot**	Residential Sector – Multi-family (RMF)	2,017	0.03	743,212.50	21,817,087.00	0.02	0.02	0.02	0.02	0.02	D5 Methodology: ••[Numerator] Total downstream savings ••••[Denominator] Total number of MF service accounts participating. x average square footage of MF service account.	Per ED: "Energy savings" = lifecycle NET savings.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	97	SDGE	First year annual kW gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	1,261.32	N/A	N/A	2,045.61	2,139.01	2,236.68	2,434.75	2,478.74	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	98	SDGE	First year annual kW net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	1,008.40	N/A	N/A	1,879.22	1,969.67	2,064.48	2,250.09	2,269.34	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	99	SDGE	First year annual kWh gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	8,790,291.95	N/A	N/A	4,163,975.67	4,302,749.71	4,446,148.72	4,707,091.93	4,823,312.10	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	100	SDGE	First year annual kWh net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	6,222,601.81	N/A	N/A	3,152,613.07	3,259,690.32	3,370,404.41	3,558,266.85	3,616,252.21	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	101	SDGE	First year annual Therm gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	81,853.14	N/A	N/A	50,326.73	54,407.38	58,818.89	62,620.49	63,389.07	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	102	SDGE	First year annual Therm net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	59,956.29	N/A	N/A	39,616.65	42,014.83	44,558.17	47,241.97	48,212.31	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	103	SDGE	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	5,258.33	N/A	N/A	7,306.41	7,640.03	7,988.89	8,696.34	8,853.45	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	104	SDGE	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	3,678.91	N/A	N/A	5,396.14	5,655.89	5,928.14	6,461.11	6,516.38	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	105	SDGE	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	84,345,752.93	N/A	N/A	34,835,587.67	35,996,563.58	37,196,231.69	39,379,267.98	40,351,559.36	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	106	SDGE	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	52,696,655.67	N/A	N/A	21,815,455.06	22,556,408.35	23,322,527.82	24,622,498.49	25,023,745.63	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	107	SDGE	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	639,599.92	N/A	N/A	195,129.60	210,951.31	228,055.90	242,795.65	245,775.62	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	108	SDGE	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	331,812.44	N/A	N/A	120,004.51	127,268.93	134,973.10	143,102.69	146,042.00	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	109	SDGE	First year annual kW gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	103.39	N/A	N/A	174.53	182.50	190.84	207.74	211.49	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	110	SDGE	First year annual kW net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	82.66	N/A	N/A	160.34	168.06	176.15	191.98	193.62	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	111	SDGE	First year annual kWh gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	720,513.44	N/A	N/A	355,277.38	367,117.81	379,352.86	401,616.97	411,533.07	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	112	SDGE	First year annual kWh net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	510,047.70	N/A	N/A	268,986.23	278,122.24	287,568.55	303,597.29	308,544.69	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	113	SDGE	First year annual Therm gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	6,709.25	N/A	N/A	4,293.96	4,642.13	5,018.53	5,342.89	5,408.46	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	114	SDGE	First year annual Therm net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	4,914.43	N/A	N/A	3,380.16	3,584.78	3,801.78	4,030.76	4,113.55	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
GHG	115	SDGE	MT CO2eq	GHG	Metric	RMF-G** Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis**	Residential Sector – Multi-family (RMF)	2,017	3,115.11	N/A	N/A	1,756.67	1,815.22	1,875.71	1,985.80	2,034.83	Per CEDARS	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	116	SDGE	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	431.01	N/A	N/A	623.39	651.86	681.63	741.99	755.39	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	117	SDGE	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	301.55	N/A	N/A	460.41	482.57	505.80	551.27	555.99	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	118	SDGE	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	6,913,564.26	N/A	N/A	2,972,230.68	3,071,287.09	3,173,644.78	3,359,905.09	3,442,862.62	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	119	SDGE	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	4,319,384.23	N/A	N/A	1,861,331.16	1,924,550.54	1,989,917.13	2,100,832.81	2,135,067.88	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	120	SDGE	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	52,426.06	N/A	N/A	16,648.78	17,998.72	19,458.11	20,715.73	20,969.99	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	121	SDGE	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	27,197.65	N/A	N/A	10,238.99	10,858.80	11,516.13	12,209.76	12,460.55	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	122	SDGE	First year annual kW gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	1,364.71	N/A	N/A	2,220	2,322	2,428	2,642.5	2,690.2	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	123	SDGE	First year annual kW net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	1,091.05	N/A	N/A	2,040	2,138	2,241	2,442.1	2,463.0	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	124	SDGE	First year annual kWh gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	9,510,805.38	N/A	N/A	4,519,253	4,669,868	4,825,502	5,108,708.9	5,234,845.2	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	125	SDGE	First year annual kWh net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	6,732,649.51	N/A	N/A	3,421,599	3,537,813	3,657,973	3,861,864.1	3,924,796.9	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	126	SDGE	First year annual Therm gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	88,562.40	N/A	N/A	54,620.69	59,049.50	63,837.42	67,963.38	68,797.53	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	127	SDGE	First year annual Therm net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	64,870.72	N/A	N/A	42,996.81	45,599.60	48,359.95	51,272.73	52,325.86	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	128	SDGE	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	5,689.33	N/A	N/A	7,929.80	8,291.89	8,670.51	9,438.33	9,608.85	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.

SAVINGS	129	SDGE	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	3,980.45	N/A	N/A	5,856.55	6,138.46	6,433.93	7,012.39	7,072.37	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	130	SDGE	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	9,510,805.00	N/A	N/A	3,419,490.31	3,533,452.67	3,651,213.09	3,865,501.76	3,960,942.69	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
SAVINGS	131	SDGE	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	57,016,039.90	N/A	N/A	23,676,786.22	24,480,958.89	25,312,444.96	26,723,331.29	27,158,813.52	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	SDGE will work with the SW EM&V team to conduct a MF Market Characterization study to determine average square footage, buildings and units per property, etc. The study cost will likely be 100K This study will also look at number of MF buildings in SDGE service territory. Here we used DETECTENT 2016 data in conjunction with SDGE CISCO and Programs data to determine square footage, units per building, units per property, and buildings per property.
COST PER UNIT SAVED	132	SDGE	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Residential Sector – Multi-family (RMF)	2,017	1,106.42	N/A	N/A	587.09	584.15	581.23	578.33	575.44	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	133	SDGE	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Residential Sector – Multi-family (RMF)	2,017	0.12	N/A	N/A	0.15	0.15	0.15	0.15	0.15	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	134	SDGE	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Residential Sector – Multi-family (RMF)	2,017	0.95	N/A	N/A	0.98	0.98	0.97	0.97	0.97	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	135	SDGE	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Residential Sector – Multi-family (RMF)	2,017	1,368.11	N/A	N/A	716.45	712.87	709.31	705.76	702.23	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	136	SDGE	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Residential Sector – Multi-family (RMF)	2,017	0.15	N/A	N/A	0.19	0.19	0.18	0.18	0.18	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	137	SDGE	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Residential Sector – Multi-family (RMF)	2,017	1.18	N/A	N/A	1.20	1.20	1.19	1.18	1.18	CEDARS and Reporting Warehouse	None	
SAVINGS	138	SDGE	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	692,025.98	N/A	N/A	211,778.38	228,950.03	247,514.01	263,511.39	266,745.60	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.	

SAVINGS	139	SDGE	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)**	Residential Sector – Multi-family (RMF)	2,017	359,010.10	N/A	N/A	130,243.50	138,127.73	146,489.24	155,312.46	158,502.55	Savings calculated using CET; MF designation depends on PA database	Definition: Multi-family refers to any building or property with at least two residential housing units. Some PAs, for the purposes of program strategy, may define MF as requiring more than 2 units.
SAVINGS	140	SDGE	First year annual kW gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	15,689.03	N/A	N/A	20,052.90	20,968.55	21,926.01	23,867.67	24,298.87	CEDARS and Reporting Warehouse	None
SAVINGS	141	SDGE	First year annual kW net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	11,638.53	N/A	N/A	12,754.84	13,368.80	14,012.32	15,272.12	15,402.75	CEDARS and Reporting Warehouse	None
SAVINGS	142	SDGE	First year annual kWh gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	75,323,686.86	N/A	N/A	94,291,378.79	97,433,855.41	100,681,062.27	106,590,005.29	109,221,759.22	CEDARS and Reporting Warehouse	None
SAVINGS	143	SDGE	First year annual kWh net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	53,379,695.97	N/A	N/A	58,318,476.79	60,299,240.76	62,347,280.59	65,822,445.72	66,895,085.38	CEDARS and Reporting Warehouse	None
SAVINGS	144	SDGE	First year annual Therm gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	867,037.12	N/A	N/A	1,067,270.53	1,153,808.13	1,247,362.46	1,327,982.26	1,344,281.30	CEDARS and Reporting Warehouse	None
SAVINGS	145	SDGE	First year annual Therm net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	430,918.04	N/A	N/A	582,666.70	617,938.18	655,344.81	694,817.00	709,088.42	CEDARS and Reporting Warehouse	None
SAVINGS	146	SDGE	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	126,103.49	N/A	N/A	219,568.99	229,594.92	240,078.65	261,338.79	266,060.20	CEDARS and Reporting Warehouse	None
SAVINGS	147	SDGE	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	93,916.09	N/A	N/A	138,643.06	145,316.72	152,311.61	166,005.45	167,425.38	CEDARS and Reporting Warehouse	None
SAVINGS	148	SDGE	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	610,864,877.19	N/A	N/A	1,031,060,456.31	1,065,422,912.50	1,100,930,576.40	1,165,543,880.00	1,194,321,669.07	CEDARS and Reporting Warehouse	None
SAVINGS	149	SDGE	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	437,305,276.79	N/A	N/A	635,527,368.03	657,112,803.35	679,431,379.44	717,302,096.79	728,991,220.01	CEDARS and Reporting Warehouse	None
SAVINGS	150	SDGE	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	10,653,838.09	N/A	N/A	12,146,941.39	13,131,852.98	14,196,624.25	15,114,183.54	15,299,688.04	CEDARS and Reporting Warehouse	None
SAVINGS	151	SDGE	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Commercial Sector (C)	2,017	5,365,354.17	N/A	N/A	6,637,439.16	7,039,233.74	7,465,350.78	7,914,997.66	8,077,570.40	CEDARS and Reporting Warehouse	None
SAVINGS - PERCENT	152	SDGE	Percent first year annual kW gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Commercial Sector (C)	2,017	0.01	15,689.03	1,549,130.51	0.01	0.01	0.02	0.02	0.02	S2 Methodology:**Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	None
SAVINGS - PERCENT	153	SDGE	Percent first year annual kW net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Commercial Sector (C)	2,017	0.01	11,638.53	1,549,130.51	0.01	0.01	0.01	0.01	0.01	S2 Methodology:**Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	None
SAVINGS - PERCENT	154	SDGE	Percent first year annual kWh gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Commercial Sector (C)	2,017	0.01	75,323,686.86	7,432,879,926.00	0.01	0.01	0.01	0.01	0.01	S2 Methodology:**Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	None

SAVINGS - PERCENT	155	SDGE	Percent first year annual kWh net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.01	53,379,695.97	7,432,879,926.00	0.01	0.01	0.01	0.01	0.01	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	
SAVINGS - PERCENT	156	SDGE	Percent first year annual Therm gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.00	867,037.12	196,641,536.00	0.01	0.01	0.01	0.01	0.01	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	
SAVINGS - PERCENT	157	SDGE	Percent first year annual Therm net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.00	430,918.04	196,641,536.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	
SAVINGS - PERCENT	158	SDGE	Percent lifecycle ex-ante kW gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.08	126,103.49	1,549,130.51	0.16	0.16	0.17	0.18	0.18	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	This comparison doesn't make theoretical sense. There is no appropriate way to measure system lifecycle KW. So while reduction has a lifecycle, IE customer programs savings, the denominator is an instantaneous measurement.
SAVINGS - PERCENT	159	SDGE	Percent lifecycle ex-ante kW net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.06	93,916.09	1,549,130.51	0.10	0.10	0.11	0.11	0.12	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	
SAVINGS - PERCENT	160	SDGE	Percent lifecycle ex-ante kWh gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.08	610,864,877.19	7,432,879,926.00	0.14	0.14	0.15	0.16	0.16	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	
SAVINGS - PERCENT	161	SDGE	Percent lifecycle ex-ante kWh net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.06	437,305,276.79	7,432,879,926.00	0.09	0.09	0.09	0.10	0.10	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	
SAVINGS - PERCENT	162	SDGE	Percent lifecycle ex-ante Therm gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.05	10,653,838.09	196,641,536.00	0.06	0.06	0.06	0.07	0.07	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	
SAVINGS - PERCENT	163	SDGE	Percent lifecycle ex-ante Therm net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Commercial Sector (C)	2,017	0.03	5,365,354.17	196,641,536.00	0.03	0.03	0.04	0.04	0.04	S2 Methodology: Numerator = Metric C1 Denominator = Total sectoral usage, from PA billing database	None	
GHG	164	SDGE	metric ton	GHG	Metric	C-G Greenhouse gasses (MT CO2e) Net kWh savings, reported on an annual basis	Commercial Sector (C)	2,017	34,501.63	N/A	N/A	38,121.46	39,391.94	40,704.77	43,093.72	44,157.72			
INTERVENTION - SAV PERCENT CONSUMP	165	SDGE	Percent	D2: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption.	Commercial Sector (C)	2,017	0.03	99,736,892.96	3,647,470,365.00	0.02	0.02	0.02	0.02	0.02	D2 Methodology (ED Ok) Numerator: Energy savings claimed for project Denominator: Energy Usage Baseline on application, against which project savings is calculated.	Definition: "Project" is defined as "per application"	

INTERVENTION - SAV PERCENT CONSUMP	166	SDGE	Percent	D2: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption.	Commercial Sector (C)	2,017	0.09	1,153,760.60	13,062,233.00	0.08	0.08	0.08	0.09	0.09	D2 Methodology (ED OK)**Numerator: Energy savings claimed for project**Denominator: Energy Usage Baseline on application, against which project savings is calculated.	Definition: "Project" is defined as "per application"	
PENETRATION - SML	167	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	***C-P1M***Percent of participation relative to eligible population for small, medium, and large customers**	Commercial Sector (C)	2,017	0.04	3,799.20	92,481.35	0.09	0.10	0.10	0.11	0.11	P1 Methodology: **Numerator: Number of downstream participating (service accounts x premise ID) **Denominator: total number of (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory.**	SDGE is working to categorize commercial customers by KW consistently between program participants and population. Here we used a percentage for small, medium, and large participants based on data from the population. SDGE will resolve this proxy before the first filing.
PENETRATION - SML	168	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	***C-P1M***Percent of participation relative to eligible population for small, medium, and large customers**	Commercial Sector (C)	2,017	0.04	793.04	19,304.41	0.09	0.10	0.10	0.11	0.11	P1 Methodology: **Numerator: Number of downstream participating (service accounts x premise ID) **Denominator: total number of (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory.**	SDGE is working to categorize commercial customers by KW consistently between program participants and population. Here we used a percentage for small, medium, and large participants based on data from the population. SDGE will resolve this proxy before the first filing.
PENETRATION - SML	169	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	*C-P1L**Percent of participation relative to eligible population for small, medium, and large customers**	Commercial Sector (C)	2,017	0.04	60.99	1,484.61	0.09	0.10	0.10	0.11	0.11	P1 Methodology: **Numerator: Number of downstream participating (service accounts x premise ID) **Denominator: total number of (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory.**	SDGE is working to categorize commercial customers by KW consistently between program participants and population. Here we used a percentage for small, medium, and large participants based on data from the population. SDGE will resolve this proxy before the first filing.
PENETRATION	170	SDGE	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	C-P2 - Percent of square feet of eligible population**	Commercial Sector (C)	2,017	0.16	75,504,152.30	482,328,195.18	0.36	0.37	0.38	0.40	0.41	P2 Methodology: ***Numerator: square footage of participating service accounts (x Premise IDs)***Denominator: Square footage of all eligible accounts (x Premise IDs)	Square footage= rentable floor space?? Or is it conditioned floor space?? Define.	SDGE used estimated square footage based on CEUS data. Once CUES is updated a new square footage estimate can be used.

PENETRATION -HTR	171	SDGE	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	C-P4- Percent of participation by customers defined as "hard-to-reach"••	Commercial Sector (C)	2,017	0.03	236.27	7,737.57	0.04	0.04	0.04	0.05	0.05	P4 Methodology:•••••Numerator proxy: number of participants in HTR geographic area••Denominator: Total number of service accounts in HTR geographic area.	D.18-05-041 p. 43 - HTR as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
BENCHMARKING	172	SDGE	Percent	Square Footage of Commercial Benchmarking Penetration	Metric	C-B2 - Percent of benchmarked square feet of eligible population••	Commercial Sector (C)	2,017	0.20	94,762,369.00	482,328,195.18	0.20	0.21	0.22	0.23	0.24	Method:••••••••••Numerator: Total square footage of benchmarked commercial buildings in Portfolio Manager••••••••••Denominator: Total square footage of commercial sector (average square footage of commercial sector building in CBECS x number of service accounts) Commercial square footage data is purchasable through third party vendors like Costar, or can be requested from local assessor's offices for the PA's territory. A proxy can be applied for		SDGE used estimated square footage based on CEUS data. Once CUES is updated a new square footage estimate can be used.
BENCHMARKING	173	SDGE	Percent	Benchmarking Penetration for Commercial Sector	Metric	B5(C)L Percent of benchmarked customers relative to eligible population for large customers	Commercial Sector (C)	2,017	0.01	16.64	1,484.61	0.01	0.01	0.01	0.01	0.01	Methodology:••••••••••Numerator: Number of large commercial customers that have been benchmarked on Portfolio Manager••••••••••Denominator: Total number of S, M, and L commercial customer accounts.	For benchmarking metrics, size of customer should be defined in line with AB 802 regulations (by square footage, not usage). If the PA territory overlaps a city with benchmarking ordinance, then use their size thresholds for reporting.	SDGE was unable to determine metrics, size of customer should be defined in line with AB 802 regulations (by square footage, not usage). If the PA territory overlaps a city with benchmarking ordinance, then use their size thresholds for reporting.
BENCHMARKING	174	SDGE	Percent	Benchmarking Penetration for Commercial Sector	Metric	B5(C)M Percent of benchmarked customers relative to eligible population for medium customers	Commercial Sector (C)	2,017	0.01	219.63	19,304.41	0.01	0.01	0.01	0.01	0.01	Methodology:••••••••••Numerator: Number of Medium commercial customers that have been benchmarked on Portfolio Manager••••••••••Denominator: Total number of S, M, and L commercial customer accounts.	For benchmarking metrics, size of customer should be defined in line with AB 802 regulations (by square footage, not usage). If the PA territory overlaps a city with benchmarking ordinance, then use their size thresholds for reporting.	SDGE was unable to determine KW for benchmarked customers, to determine small medium and large, at this time. Going forward additional information may need to be collected from benchmarked customers. It is likely SDGE will determine a methodology to pull this from the CIS system, in conjunction with Portfolio Manager data. The internal data team is continuing to work on this now.

BENCHMARKING -SML	175	SDGE	Percent	Benchmarking Penetration for Commercial Sector	Metric	B5(C)S**Percent of benchmarked customers relative to eligible population for small customers	Commercial Sector (C)	2,017	0.01	1,043.74	92,481.35	0.01	0.01	0.01	0.05	0.05	Methodology: ****Numerator: Number of Small commercial customers that have been benchmarked on Portfolio Manager****Denominator: Total number of S, M, and L commercial customer accounts.	For benchmarking metrics, size of customer should be defined in line with AB 802 regulations (by square footage, not usage). If the PA territory overlaps a city with benchmarking ordinance, then use their size thresholds for reporting.	SDGE was unable to determine KW for benchmarked customers, to determine small medium and large, at this time. Going forward additional information may need to be collected from benchmarked customers. It is likely SDGE will determine a methodology to pull this from the CIS system, in conjunction with Portfolio Manager data. The internal data team is continuing to work on this now.
BENCHMARKING -HTR	176	SDGE	Percent	B6: Benchmarking of HTR Properties	Metric	B6(C) - Percent of benchmarking by customers defined as "hard-to-reach" **	Commercial Sector (C)	2,017	0.01	42.32	7,737.57	0.01	0.01	0.01	0.01	0.01	Benchmarking per Portfolio Manager. Service accounts x premise IDs in HTR market****Proxy, if other than size and geo location aren't known, develop proxy using just size and geo location.**	SDGE had to use a ratio based on total population of commercial customers in HTRs to determine % benchmarked. The issue, as described in the benchmarking metrics, is linking Portfolio Manager data to SDGE's CISCO data. Thus, we were not able at this time to link premise ID, which SDGE has mapped to census track, to benchmarked property. SDGE will have this resolved soon, and be able to complete the metric without this proxy.	Geographic information used for now, as PAs gather other HTR characteristics on participants going forward
COST PER UNIT SAVED	177	SDGE	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Commercial Sector (C)	2,017	114.18	N/A	N/A	292.93	291.47	290.01	288.56	287.12	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	178	SDGE	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Commercial Sector (C)	2,017	0.02	N/A	N/A	0.06	0.06	0.06	0.06	0.06	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	179	SDGE	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Commercial Sector (C)	2,017	0.17	N/A	N/A	0.47	0.46	0.46	0.46	0.46	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	180	SDGE	TRC Levelized Cost (\$/kW)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Commercial Sector (C)	2,017	253.74	N/A	N/A	409.88	407.83	405.79	403.76	401.74	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	181	SDGE	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Commercial Sector (C)	2,017	0.05	N/A	N/A	0.09	0.09	0.09	0.09	0.09	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	182	SDGE	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Commercial Sector (C)	2,017	0.38	N/A	N/A	0.65	0.65	0.65	0.64	0.64	CEDARS and Reporting Warehouse	None	
NMEC	183	SDGE	Percent	NMEC	Indicator	C-N1[Indicator] Fraction of total projects utilizing Normalized Metered Energy Consumption (NMEC) to estimate savings**	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC meeting: "Fraction of total custom projects utilizing NMEC to estimate savings".****Data from CMPA (Custom Measure and Project Archive)****. Mona to check		
NMEC	184	SDGE	Percent	NMEC	Indicator	C-N2[Indicator] Fraction of total savings (gross kWh and therm) derived from NMEC analysis**	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: "Fraction of total custom savings derived from NMEC analysis".****Data from CMPA****. Mona to check		

SATISFACTION	185	SDGE	Percent	Satisfaction	Indicator	C-CS[Indicator] Improvement in customer satisfaction**	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: M&E will develop and field a consistent survey instrument annually.		
SATISFACTION	186	SDGE	Percent	Satisfaction	Indicator	C-TS[Indicator] Improvement in trade ally satisfaction**	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CAEECC Meeting: M&E will develop and field a consistent survey instrument annually.		
INVESTMENT IN EE	187	SDGE	Percent	Investment in energy efficiency	Indicator	C-F - [Indicator] Fraction of total investments made by ratepayers and private capital**	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	C-F: Per CAEECC meeting: and ED Mona okay.**Numerator: Total Incentive**Denominator: Total Project cost**		
SAVINGS	188	SDGE	First year annual kW gross	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	5,161.23	N/A	N/A	6,596.81	6,898.04	7,213.01	7,851.76	7,993.61	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	189	SDGE	First year annual kW net	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	3,828.74	N/A	N/A	4,195.97	4,397.94	4,609.64	5,024.08	5,067.05	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	190	SDGE	First year annual kWh gross	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	24,779,279.87	N/A	N/A	31,019,093.23	32,052,875.70	33,121,111.35	35,064,979.99	35,930,749.71	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	191	SDGE	First year annual kWh net	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	17,560,351.61	N/A	N/A	19,185,065.40	19,836,678.54	20,510,423.47	21,653,650.70	22,006,517.63	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.

SAVINGS	192	SDGE	First year annual Therm gross	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	285,229.74	N/A	N/A	351,100.65	379,568.97	410,345.60	436,867.15	442,229.05	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	193	SDGE	First year annual Therm net	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	141,759.37	N/A	N/A	191,680.22	203,283.51	215,589.19	228,574.38	233,269.26	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	194	SDGE	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	41,484.34	N/A	N/A	72,231.75	75,529.98	78,978.82	85,972.78	87,525.99	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	195	SDGE	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	30,895.63	N/A	N/A	45,609.49	47,804.93	50,106.05	54,610.92	55,078.03	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	196	SDGE	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	200,956,596.63	N/A	N/A	339,188,596.30	350,492,834.77	362,173,812.94	383,429,691.40	392,896,738.48	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.

SAVINGS	197	SDGE	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	143,860,587.49	N/A	N/A	209,069,831.50	216,170,805.52	223,512,961.30	235,971,314.62	239,816,692.72	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	198	SDGE	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	3,504,799.71	N/A	N/A	3,995,986.83	4,319,993.80	4,670,272.26	4,972,122.31	5,033,147.84	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	199	SDGE	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Public Sector (P)	2,017	1,765,043.88	N/A	N/A	2,183,522.47	2,315,701.08	2,455,881.07	2,603,801.68	2,657,283.33	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
GHG	200	SDGE	MT CO2eq	GHG	Metric	P-G**Greenhouse gasses (MT CO2eq) based on net lifecycle kWh and Therms savings, reported on an annual basis, incorporating average fuel/technology mix**	Public Sector (P)	2,017	8,540.46	N/A	N/A	9,436.51	9,751.00	10,075.97	10,667.33	10,930.71	Per CEDARS		SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
INTERVENTION - SAV PER PROJECT	201	SDGE	Percent annual NET kW	D3: Depth of interventions per building	Indicator	P-D3[Indicator] Average percent energy savings (kWh, kw, therms) per project building or facility**	Public Sector (P)	N/A - Indicator	N/A - Indicator	Indicator	Indicator				N/A - Indicator	N/A - Indicator	**D3 Methodology:** Numerator: Total savings claimed for public sector building retrofits** Denominator: Energy usage of buildings that have been retrofitted, per application.	D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level. **"Energy Savings" refers to Annual Net savings, in keeping with ED direction to use Net savings if otherwise not specified (Lifecycle Net).	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.

INTERVENTION - SAV PER PROJECT	202	SDGE	Percent annual NET kWh	D3: Depth of interventions per building	Indicator	P-D3[Indicator] Average percent energy savings (kWh, kw, therms) per project building or facility**	Public Sector (P)	N/A - Indicator	N/A - Indicator	Indicator	Indicator				N/A - Indicator	N/A - Indicator	<p>••D3 Methodology:••Numerator: Total savings claimed for public sector building retrofits••Denominator: Energy usage of buildings that have been retrofitted, per application.</p> <p>D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level. ••"Energy Savings" refers to Annual Net savings, in keeping with ED direction to use Net savings if otherwise not specified (Lifecycle Net).</p>	SDGE did a deep dive of all customer accounts, examining which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
INTERVENTION - SAV PER PROJECT	203	SDGE	Percent annual NET Therms	D3: Depth of interventions per building	Indicator	P-D3[Indicator] Average percent energy savings (kWh, kw, therms) per project building or facility**	Public Sector (P)	N/A - Indicator	N/A - Indicator	Indicator	Indicator				N/A - Indicator	N/A - Indicator	<p>••D3 Methodology:••Numerator: Total savings claimed for public sector building retrofits••Denominator: Energy usage of buildings that have been retrofitted, per application.</p> <p>D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level. ••"Energy Savings" refers to Annual Net savings, in keeping with ED direction to use Net savings if otherwise not specified (Lifecycle Net).</p>	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
INTERVENTION - SAV PER PROJECT	204	SDGE	Annual NET kW	D5: Depth of interventions**Per square foot	Indicator	P-D5[Indicator] Average annual energy savings (kWh, kw, therms) per project building floor plan area**	Public Sector (P)	N/A - Indicator	N/A - Indicator	Indicator	Indicator				N/A - Indicator	N/A - Indicator	<p>D5 Methodology: ••[Numerator] Total downstream savings ••••[Denominator] Total number of service accounts participating. x average square footage of property</p>	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
INTERVENTION - SAV PER PROJECT	205	SDGE	Annual NET kWh	D5: Depth of interventions**Per square foot	Indicator	P-D5[Indicator] Average annual energy savings (kWh, kw, therms) per project building floor plan area**	Public Sector (P)	N/A - Indicator	N/A - Indicator	Indicator	Indicator				N/A - Indicator	N/A - Indicator	<p>D5 Methodology: ••[Numerator] Total downstream savings ••••[Denominator] Total number of service accounts participating. x average square footage of property</p>	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
INTERVENTION - SAV PER PROJECT	206	SDGE	Annual NET Therms	D5: Depth of interventions**Per square foot	Indicator	P-D5[Indicator] Average annual energy savings (kWh, kw, therms) per project building floor plan area**	Public Sector (P)	N/A - Indicator	N/A - Indicator	Indicator	Indicator				N/A - Indicator	N/A - Indicator	<p>D5 Methodology: ••[Numerator] Total downstream savings ••••[Denominator] Total number of service accounts participating. x average square footage of property</p>	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.

WATER	207	SDGE	Annual NET kW	Water	Indicator	P-W1[Indicator] Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities**	Public Sector (P)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers**Denominator: Baseline energy usage as reported on project applications	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.	
WATER	208	SDGE	Annual NET kWh	Water	Indicator	P-W1[Indicator] Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities**	Public Sector (P)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers**Denominator: Baseline energy usage as reported on project applications	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.	
WATER	209	SDGE	Annual NET Therms	Water	Indicator	P-W1[Indicator] Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities**	Public Sector (P)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater customers**Denominator: Baseline energy usage as reported on project applications	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.	
PENETRATION	210	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	P-P1 - Percent of Public Sector accounts participating in programs**	Public Sector (P)	2,017	0.04	1,523.84	37,262.63	0.09	0.10	0.10	0.11	0.11	P1 Methodology: **Numerator: Number of downstream participating (service accounts x premise ID) **Denominator: total number of (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory.**	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
PENETRATION	211	SDGE	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Indicator	P-P2[Indicator] Percent of estimated floorplan area (i.e., ft2) of all Public Sector buildings participating in building projects—estimate within +/-15% of sector-wide building area, +/-5% of project building area**	Public Sector (P)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	P2 Methodology: ***Numerator: square footage of participating service accounts (x Premise IDs)***Denominator: Square footage of all eligible accounts (x Premise IDs) times average number of buildings per account	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.	

WATER	212	SDGE	Percent	Water	Indicator	P-W2[Indicator] Percent of Public Sector water/wastewater flow (i.e., annual average Million Gallons per Day) enrolled in non-building water/wastewater programs— estimate within +/-20% of flow through eligible facilities (treatment facilities pumping stations), +/-10% of flow through project facilities	Public Sector (P)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	As reported by water/wastewater treatment facilities' pumping stations that respond to survey	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
COST PER UNIT SAVED	213	SDGE	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Public Sector (P)	2,017	114.18	N/A	N/A	292.93	291.47	290.01	288.56	287.12	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
COST PER UNIT SAVED	214	SDGE	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Public Sector (P)	2,017	0.02	N/A	N/A	0.06	0.06	0.06	0.06	0.06	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
COST PER UNIT SAVED	215	SDGE	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Public Sector (P)	2,017	0.17	N/A	N/A	0.47	0.46	0.46	0.46	0.46	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
COST PER UNIT SAVED	216	SDGE	TRC Levelized Cost (\$/kW)	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Public Sector (P)	2,017	253.74	N/A	N/A	409.88	407.83	405.79	403.76	401.74	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.

COST PER UNIT SAVED	217	SDGE	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Public Sector (P)	2,017	0.05	N/A	N/A	0.09	0.09	0.09	0.09	0.09	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
COST PER UNIT SAVED	218	SDGE	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	Public Sector (P)	2,017	0.38	N/A	N/A	0.65	0.65	0.65	0.64	0.64	CEDARS and Reporting Warehouse	None	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
	219	SDGE	\$	Investment in EE	Indicator	P-F2 - [Indicator] Total program-backed financing distributed to Public Sector customers requiring repayment (i.e., loans, OBF)**	Public Sector (P)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	P-F2 Method: Total amount loaned through PA programs (ED ok)	Define: "Total program backed financing...requiring repayment" = total loan amount	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
BENCHMARKING	220	SDGE	Percent	Public Sector Benchmarking Penetration Calendar Year	Metric	P-B3 - Percent of Public Sector buildings with current benchmark****	Public Sector (P)	2,017	0.01	508.00	37,262.63	0.01	0.01	0.02	0.02	0.02	Def: "current" = "within calendar year" (ED ok)**		SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
INTENSITY	221	SDGE	Btu	Energy Intensity per public sector building	Metric	P-E14 Average energy use intensity of all Public Sector buildings**	Public Sector (P)	2,017	49,897.58	1,859,314,660.00	37,262.63	51,924.09	53,654.58	55,442.74	58,696.66	60,145.90	Method (ED Okay)****Numerator: Total sector-level energy use, from PA billing data****Denominator: Number of public sector accounts		SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.

BENCHMARKING	222	SDGE	Percent	Public Sector Square Foot Benchmarking Penetration in Calendar Year	Indicator	B4-P[Indicator] Percent of floorplan area of all Public Sector buildings with current benchmark	Public Sector (P)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Total square footage of public buildings benchmarked within calendar year, in Portfolio Manager**** Denominator: Total square footage of all benchmarked Public sector buildings, in Portfolio Manager	SDGE did a deep dive of all customer accounts, examining NAICS codes, to determine which would be considered Public. We estimate 25% of commercial accounts are public. This percentage is applied across all public sector metrics to determine a reasonable proxy baseline. At this time SDGE does not propose a study, but will collect this data going forward.
SAVINGS	223	SDGE	kW	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	470.50	N/A	N/A	676.02	706.89	739.17	804.63	819.16	819.16	CEDARS and Reporting Warehouse	None
SAVINGS	224	SDGE	kW	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	330.23	N/A	N/A	406.57	426.14	446.66	486.81	490.98	490.98	CEDARS and Reporting Warehouse	None
SAVINGS	225	SDGE	kWh	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	2,917,610.21	N/A	N/A	3,443,987.42	3,558,766.20	3,677,370.25	3,893,194.07	3,989,318.74	3,989,318.74	CEDARS and Reporting Warehouse	None
SAVINGS	226	SDGE	kWh	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	1,948,210.86	N/A	N/A	2,067,666.99	2,137,894.48	2,210,507.22	2,333,718.33	2,371,748.50	2,371,748.50	CEDARS and Reporting Warehouse	None
SAVINGS	227	SDGE	Therm	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	-1,941.65	N/A	N/A	52,361.37	56,607.00	61,196.87	65,152.15	65,951.80	65,951.80	CEDARS and Reporting Warehouse	None
SAVINGS	228	SDGE	Therm	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	-1,359.11	N/A	N/A	30,819.67	32,685.33	34,663.92	36,751.77	37,506.65	37,506.65	CEDARS and Reporting Warehouse	None
SAVINGS	229	SDGE	kW	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	4,890.69	N/A	N/A	8,081.53	8,450.55	8,836.42	9,618.92	9,792.70	9,792.70	CEDARS and Reporting Warehouse	None
SAVINGS	230	SDGE	kW	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	3,420.69	N/A	N/A	4,860.39	5,094.35	5,339.57	5,819.63	5,869.41	5,869.41	CEDARS and Reporting Warehouse	None
SAVINGS	231	SDGE	kWh	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	31,793,360.26	N/A	N/A	41,799,714.52	43,192,785.95	44,632,284.67	47,251,740.81	48,418,407.00	48,418,407.00	CEDARS and Reporting Warehouse	None
SAVINGS	232	SDGE	kWh	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	21,129,740.34	N/A	N/A	25,095,297.79	25,947,649.64	26,828,951.29	28,324,365.92	28,785,938.54	28,785,938.54	CEDARS and Reporting Warehouse	None
SAVINGS	233	SDGE	Therm	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	-20,172.72	N/A	N/A	518,483.78	560,524.05	605,973.07	645,138.45	653,056.58	653,056.58	CEDARS and Reporting Warehouse	None
SAVINGS	234	SDGE	Therm	S1: Energy Savings	Metric	In-S1** First year annualized and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector**	Industrial (I)	2,017	-14,120.65	N/A	N/A	305,177.28	323,651.06	343,243.14	363,917.08	371,391.87	371,391.87	CEDARS and Reporting Warehouse	None
GHG	235	SDGE	metric ton	GHG	Metric	I-G- Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis**	Industrial (I)	2,017	73.48	N/A	N/A	1,046.24	1,081.10	1,117.13	1,182.70	1,211.90	1,211.90	Per CEDARS	

PENETRATION - SML	236	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market ••Percent of Participation	Metric	•In-P11••Percent of participation relative to eligible population for small, medium and large customers••	Industrial (I)	2,017	NA	-	0.00	NA	NA	NA	NA	NA	NA	<p>P1 Methodology:</p> <p>••Numerator: Number of downstream participating (service accounts x premise ID)</p> <p>••Denominator: total number of (service accounts x premise IDs) in the sector.</p>	<p>Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. ••</p>	SDGE has no small industrial customers	
PENETRATION - SML	237	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market ••Percent of Participation	Metric	••In-P1M••Percent of participation relative to eligible population for small, medium and large customers••	Industrial (I)	2,017	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<p>P1 Methodology:</p> <p>••Numerator: Number of downstream participating (service accounts x premise ID)</p> <p>••Denominator: total number of (service accounts x premise IDs) in the sector.</p>	<p>Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. ••</p>	
PENETRATION - SML	238	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market ••Percent of Participation	Metric	In-P15••In-P1M••In-P11••Percent of participation relative to eligible population for small, medium and large customers••	Industrial (I)	2,017	0.02	10.74	655.00	0.49	0.51	0.53	0.56	0.57	0.57	<p>P1 Methodology:</p> <p>••Numerator: Number of downstream participating (service accounts x premise ID)</p> <p>••Denominator: total number of (service accounts x premise IDs) in the sector.</p>	<p>Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. ••</p>		
PENETRATION - SML	239	SDGE	Percent	New participation	Indicator	I-P5[Indicator] Percent of customers participating that have not received an incentive for the past three years, annually, by small, medium and large customer categories••	Industrial (I)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	<p>Numerator: Annual number of Large Industrial participants (by service account) that had not received a downstream incentive for the past 3 years (from date of incentive payment) ••Denominator: Total number of Large Industrial service accounts in the sector/segment••••</p>	<p>•PAs will use PA-specific definition for S, M, & L customers, because BP strategies were developed for customers segmented by those definitions.</p>		

PENETRATION - SML	240	SDGE	Percent	New participation	Indicator	I-P5[Indicator] Percent of customers participating that have not received an incentive for the past three years, annually, by small, medium and large customer categories••	Industrial (I)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Annual number of Medium Industrial participants (by service account) that had not received a downstream incentive for the past 3 years (from date of incentive payment)••Denominator: Total number of Medium Industrial service accounts in the sector/segment•••	*PAs will use PA-specific definition for S, M, & L customers, because BP strategies were developed for customers segmented by those definitions.		
PENETRATION - SML	241	SDGE	Percent	New participation	Indicator	I-P5[Indicator] Percent of customers participating that have not received an incentive for the past three years, annually, by small, medium and large customer categories••	Industrial (I)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: Annual number of Small Industrial participants (by service account) that had not received a downstream incentive for the past 3 years (from date of incentive payment)••Denominator: Total number of Small Industrial service accounts in the sector/segment•••	*PAs will use PA-specific definition for S, M, & L customers, because BP strategies were developed for customers segmented by those definitions.		
COST PER UNIT SAVED	242	SDGE	\$/kW	Cost per unit saved	Metric	I-LC - Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)••	Industrial (I)	2,017	2,279.07	N/A	N/A	645.85	642.62	639.41	636.21	633.03	633.03	CEDARS and Reporting Warehouse	None		
COST PER UNIT SAVED	243	SDGE	\$/kWh	Cost per unit saved	Metric	I-LC - Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)••	Industrial (I)	2,017	0.37	N/A	N/A	0.12	0.12	0.12	0.12	0.12	0.12	0.12	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	244	SDGE	\$/therm	Cost per unit saved	Metric	I-LC - Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)••	Industrial (I)	2,017	2.87	N/A	N/A	0.92	0.92	0.92	0.91	0.91	0.91	0.91	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	245	SDGE	\$/kW	Cost per unit saved	Metric	I-LC - Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)••	Industrial (I)	2,017	2,496.49	N/A	N/A	787.62	783.68	779.76	775.86	771.98	771.98	771.98	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	246	SDGE	\$/kWh	Cost per unit saved	Metric	I-LC - Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)••	Industrial (I)	2,017	0.40	N/A	N/A	0.15	0.15	0.15	0.15	0.15	0.15	0.15	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	247	SDGE	\$/therm	Cost per unit saved	Metric	I-LC - Levelized cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)••	Industrial (I)	2,017	3.15	N/A	N/A	1.13	1.12	1.12	1.11	1.10	1.10	1.10	CEDARS and Reporting Warehouse	None	
SAVINGS - PERCENT	248	SDGE	Percent first year annual kW gross	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)••	Industrial (I)	2,017	0.00	47.50	642,473.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology:••Numerator = Metric C1••Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.	
SAVINGS - PERCENT	249	SDGE	Percent first year annual kW net	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)••	Industrial (I)	2,017	0.00	33.23	642,473.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology:••Numerator = Metric C1••Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.	
SAVINGS - PERCENT	250	SDGE	Percent first year annual kWh gross	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)••	Industrial (I)	2,017	0.00	291,761.21	4,435,088,482.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology:••Numerator = Metric C1••Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.	

SAVINGS - PERCENT	251	SDGE	Percent first year annual kWh net	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	194,821.86	4,435,088,482.00	0.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS - PERCENT	252	SDGE	Percent first year annual Therm gross	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	-1,941.65	312,519,365.00	0.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS - PERCENT	253	SDGE	Percent first year annual Therm net	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	-1,359.11	312,519,365.00	0.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS - PERCENT	254	SDGE	Percent lifecycle ex ante kW gross	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	489.69	642,473.78	0.01	0.01	0.01	0.01	0.01	0.01	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS - PERCENT	255	SDGE	Percent lifecycle ex ante kW net	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	342.69	642,473.78	0.01	0.01	0.01	0.01	0.01	0.01	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS - PERCENT	256	SDGE	Percent lifecycle ex ante kWh gross	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	3,179,336.26	4,435,088,482.00	0.01	0.01	0.01	0.01	0.01	0.01	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS - PERCENT	257	SDGE	Percent lifecycle ex ante kWh net	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	2,112,974.34	4,435,088,482.00	0.01	0.01	0.01	0.01	0.01	0.01	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS - PERCENT	258	SDGE	Percent lifecycle ex ante Therm gross	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	-20,172.72	312,519,365.00	0.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS - PERCENT	259	SDGE	Percent lifecycle ex ante Therm net	S2: Percent Overall Sectoral Savings	Metric	I-RC - Reduction in consumption (proposed by SCE and SDG&E)**	Industrial (I)	2,017	0.00	-14,120.65	312,519,365.00	0.00	0.00	0.00	0.00	0.00	0.00	S2 Methodology: **Numerator = Metric C1 **Denominator = Total sectoral usage, from PA billing database	Define: "Reduction in consumption" = energy savings.
SAVINGS	260	SDGE	kW	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	2.05	N/A	N/A	68.08	74.11	75.45	82.13	83.61	83.61	CEDARS and Reporting Warehouse	None
SAVINGS	261	SDGE	kW	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	1.65	N/A	N/A	40.94	44.62	45.01	49.05	49.47	49.47	CEDARS and Reporting Warehouse	None
SAVINGS	262	SDGE	kWh	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	108,800.23	N/A	N/A	332,009.17	351,494.69	360,173.25	381,311.72	390,726.47	390,726.47	CEDARS and Reporting Warehouse	None
SAVINGS	263	SDGE	kWh	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	67,814.74	N/A	N/A	200,452.25	211,625.22	215,073.86	227,061.83	230,762.02	230,762.02	CEDARS and Reporting Warehouse	None

SAVINGS	264	SDGE	Therm	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	66,299.65	N/A	N/A	128,951.33	137,285.74	138,970.72	147,952.70	149,768.61	CEDARS and Reporting Warehouse	None	
SAVINGS	265	SDGE	Therm	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	41,769.55	N/A	N/A	76,793.76	81,419.14	83,091.48	88,096.17	89,905.66	CEDARS and Reporting Warehouse	None	
SAVINGS	266	SDGE	kW	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	14.04	N/A	N/A	753.57	820.30	835.12	909.07	925.50	CEDARS and Reporting Warehouse	None	
SAVINGS	267	SDGE	kW	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	12.42	N/A	N/A	453.21	493.96	498.18	542.97	547.62	CEDARS and Reporting Warehouse	None	
SAVINGS	268	SDGE	kWh	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	312,486.50	N/A	N/A	3,416,127.57	3,616,619.13	3,705,915.04	3,923,414.15	4,020,284.96	CEDARS and Reporting Warehouse	None	
SAVINGS	269	SDGE	kWh	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	204,905.35	N/A	N/A	2,056,560.16	2,171,190.44	2,206,572.06	2,329,563.83	2,367,526.30	CEDARS and Reporting Warehouse	None	
SAVINGS	270	SDGE	Therm	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	112,553.02	N/A	N/A	639,024.86	680,326.45	688,676.46	733,187.15	742,185.95	CEDARS and Reporting Warehouse	None	
SAVINGS	271	SDGE	Therm	S1: Energy Savings	Metric	Ag-S1 - First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net**	Agricultural (A)	2,017	70,865.92	N/A	N/A	380,595.11	403,518.80	411,807.01	436,610.63	445,578.54	CEDARS and Reporting Warehouse	None	
GHG	272	SDGE	metric ton	GHG	Metric	A-G - Greenhouse gases (MT CO2eq) Net kWh savings, reported on an annual basis**	Agricultural (A)	2,017	34.40	N/A	N/A	101.67	105.06	108.56	114.93	117.77	Use the GHG Calculator in the CPUC Cost-effectiveness Tool		
PENETRATION - SML	273	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	Ag-P1S**Percent of participation relative to eligible population for small, medium and large customers**	Agricultural (A)	2,017	0.00	13.65	2,861.00	0.01	0.01	0.01	0.01	0.01	P1 Methodology: **Numerator: Number of downstream participating large customers (service accounts x premise ID) **Denominator: total number of large customers (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory.**	
PENETRATION - SML	274	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	Ag-P1M**Percent of participation relative to eligible population for small, medium and large customers**	Agricultural (A)	2,017	0.00	4.58	960.00	0.01	0.01	0.01	0.01	0.01	P1 Methodology: **Numerator: Number of downstream participating medium customers (service accounts x premise ID) **Denominator: total number of medium customers (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory.**	

PENETRATION - SML	275	SDGE	Percent	P1: Penetration of energy efficiency programs in the eligible market ••Percent of Participation	Metric	Ag-P1L••Percent of participation relative to eligible population for small, medium and large customers••	Agricultural (A)	2,017	0.00	0.77	162.00	0.01	0.01	0.01	0.01	0.01	0.01	P1 Methodology: ••Numerator: Number of downstream participating small customers (service accounts x premise ID) ••Denominator: total number of small customers (service accounts x premise IDs) in the sector.	Participation is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. ••	
COST PER UNIT SAVED	276	SDGE	\$/kW	Cost per unit saved	Metric	A-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Agricultural (A)	2,017	4,604.64	N/A	N/A	560.77	557.96	555.17	552.40	549.63	549.63	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	277	SDGE	\$/kWh	Cost per unit saved	Metric	A-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Agricultural (A)	2,017	0.27	N/A	N/A	0.12	0.12	0.12	0.12	0.12	0.12	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	278	SDGE	\$/therm	Cost per unit saved	Metric	A-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Agricultural (A)	2,017	2.28	N/A	N/A	0.95	0.95	0.94	0.94	0.93	0.93	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	279	SDGE	\$/kW	Cost per unit saved	Metric	A-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Agricultural (A)	2,017	5,493.65	N/A	N/A	455.63	453.35	451.09	448.83	446.59	446.59	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	280	SDGE	\$/kWh	Cost per unit saved	Metric	A-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Agricultural (A)	2,017	0.33	N/A	N/A	0.10	0.10	0.10	0.10	0.10	0.10	CEDARS and Reporting Warehouse	None	
COST PER UNIT SAVED	281	SDGE	\$/therm	Cost per unit saved	Metric	A-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)••	Agricultural (A)	2,017	2.73	N/A	N/A	0.77	0.77	0.76	0.76	0.76	0.76	CEDARS and Reporting Warehouse	None	
SAVINGS	282	SW	Net GWh	S1: Energy Savings	Metric	Net Energy Savings: GWH, M Therms and MW (demand)	Codes & Standards (CS)	2,017	1,889.00	N/A	N/A	1,212.00	1,257.00	1,267.00	1,327.00	1,323.00	1,323.00	EM&V study	"Savings" is defined as Net First year saving	
SAVINGS	283	SW	Net MMTerms	S1: Energy Savings	Metric	Net Energy Savings: GWH, M Therms and MW (demand)	Codes & Standards (CS)	2,017	42.00	N/A	N/A	42.00	42.00	49.00	56.00	55.00	55.00	EM&V study	"Savings" is defined as Net First year saving	
SAVINGS	284	SW	Net MW	S1: Energy Savings	Metric	Net Energy Savings: GWH, M Therms and MW (demand)	Codes & Standards (CS)	2,017	346.00	N/A	N/A	272.00	275.00	311.00	389.00	415.00	415.00	EM&V study	"Savings" is defined as Net First year saving	
CODES AND STANDARDS	285	SW	Count	Advocacy-Building	Metric	Number of Title 24 measures supported by CASE studies in 3-year rulemaking cycle (current work)	Codes & Standards (CS)	2,017	23.00	N/A	N/A	12.00	12.00	12.00	12.00	12.00	12.00	Measures supported by CASE		
CODES AND STANDARDS	286	SW	Count	Advocacy-Building	Metric	Number of Title 24 measures adopted by CEC in 3-year rulemaking cycle (indicator of past work)	Codes & Standards (CS)	2,017	0.00	N/A	N/A	12.00	12.00	12.00	12.00	12.00	12.00	Measures adopted by CEC		
CODES AND STANDARDS	287	SW	Count	Advocacy-Appliance	Metric	Number of Title 20 measures supported by CASE studies in 3-year rulemaking cycle (current work)	Codes & Standards (CS)	2,017	5.00	N/A	N/A	10.00	10.00	10.00	10.00	10.00	10.00	T-20 measures supported by CASE		
CODES AND STANDARDS	288	SW	Count	Advocacy-Appliance	Metric	Number of Title 20 measures adopted by CEC in current year	Codes & Standards (CS)	2,017	0.00	N/A	N/A	10.00	10.00	10.00	10.00	10.00	10.00	Measures adopted by CEC		
CODES AND STANDARDS	289	SW	Count	Advocacy-Federal	Metric	Number of federal standards adopted for which a utility advocated (IOUs to list advocated activities)	Codes & Standards (CS)	2,017	7.00	N/A	N/A	21.00	21.00	21.00	20.00	20.00	20.00	Standards adopted		
CODES AND STANDARDS	290	SW	Count	Advocacy-Federal	Metric	Percent of federal standards adopted for which a utility advocated (#IOU supported / # DOE adopted)	Codes & Standards (CS)	2,017	1.00	N/A	N/A	1.00	1.00	1.00	1.00	1.00	1.00	# IOUs supported ÷ # DOE adopted		
CODES AND STANDARDS	291	SW	Count	Reach Codes	Metric	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)	Codes & Standards (CS)	2,017	12.00	N/A	N/A	25.00	25.00	25.00	25.00	25.00	25.00	Reach Code ordinances implemented		
CODES AND STANDARDS	292	SW	Count	Compliance Improvement	Metric	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the total size (number of the target audience) by sector. (M) Number of training activities	Codes & Standards (CS)	2,017	118.00	N/A	N/A	138.00	138.00	138.00	138.00	138.00	138.00	Number of training activities		
CODES AND STANDARDS	293	SW	Count	Compliance Improvement	Metric	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the total size (number of the target audience) by sector. (M) Number of participants	Codes & Standards (CS)	2,017	3,000.00	N/A	N/A	3,600.00	3,600.00	3,600.00	3,600.00	3,600.00	3,600.00	Number of participants		
CODES AND STANDARDS	294	SW	Score	Compliance Improvement	Metric	Increase in code compliance knowledge pre/post training	Codes & Standards (CS)	2,017	0.20	N/A	N/A	0.20	0.20	0.20	0.20	0.20	0.20	0.20	Knowledge score	

WET	295	SDGE	Count	Collaborations	Metric	Number of collaborations by Business Plan sector to jointly develop or share training materials or resources.	Workforce Education and Training (WET)	N/A	N/A	N/A	N/A	3.00	3.00	3.00	4.00	5.00	Staff input.	"Collaborations" mean sharing mutually-beneficial resources such as training materials, expertise, and marketing/outreach tactics that help achieve WE&T goals and outcomes.	Target are total collaborations.	
PENETRATION	296	SDGE	Count	Penetration	Metric	Number of participants by sector	Workforce Education and Training (WET)		Sector: Residential - 889 Nonresidential - 5,814 Segment: HVAC - 2507 Lighting - 239 Codes & Standards - 896 Foodservice - 125 Renewables & Sustainability - 730 Home Performance - N/A Real Estate - N/A Rates, Rebate & Incentive Programs - 321 Zero-Net Energy - 103 *Data was not tracked in line with other segments Building Design, Construction and Performance - N/A	N/A	N/A	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00		
PENETRATION	297	SDGE	Percentage	Penetration	Metric	Percent of participation relative to eligible target population for curriculum	Workforce Education and Training (WET)		0.10	2,612.00	26,671.00	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	Numerator: 3,677 unique participants in 2016 (this includes customers outside of our service territory). Report from class registration database. Denominator: SDG&E's share of 321,000 jobs is approximately 26,671 Assume advanced Energy Efficiency jobs are commiserate with population for each PA territory. Population figures obtained from 2010 census. Excluding orange county since this is split territory and census does not differentiate. Advanced Energy Economy Institute (AEEI) report finding: "Energy Efficiency accounts for the largest share of advanced energy jobs in California. About six in 10 advanced energy workers are employed in the Energy Efficiency sector; these firms support over 321,000 jobs."

DIVERSITY -DAC	298	SDGE	Percentage	Diversity	Metric	Percent of total WE&T training program participants that meet the definition of disadvantaged worker.	Workforce Education and Training (WET)		0.04	136.00	3,677.00	0.05	0.06	0.07	0.07	0.08	Report of provided zip codes from class registration database cross-referenced with the list of "disadvantaged worker" zip codes. Please note that these zip codes are a mixture of home and work addresses. By the end of 2018, IOUs will specifically request participants' home zip codes.	"Disadvantaged Worker" means a worker that (1) has a referral from a collaborating community-based organization (CBO), state agency, or workforce investment board; or (2) lives in a ZIP code that is in the top 25% in one or more of the five socioeconomic indicators as defined in the California Office of Environmental Health Hazard Assessment's CalEnviroScreen Tool. These socioeconomic indicators are educational attainment, housing burden, linguistic isolation, poverty, and unemployment.	
DIVERSITY -DAC	299	SDGE	Percentage	Diversity	Metric	Percent of applicable incentive contract spend by vendors with a demonstrated commitment to provide career pathways to disadvantaged workers.	Workforce Education and Training (WET)	Not Available	N/A	N/A							Disadvantaged worker tracking is currently not required by PA contract terms and conditions.	"Applicable" incentive contract spend includes programs that install, modify, repair, or maintain EE equipment where the incentive is paid to an entity other than a manufacturer, distributor, or retailer of equipment. This applicability standard is adopted from the language the July 9th ruling on workforce standards. It excludes contracts such as those for upstream incentives, Codes and Standards, and mid-stream distributor programs. "Demonstrated commitment" means that the vendor submits a plan describing how the	40% of Implementation Plans will be committed to contractors that demonstrate a commitment to provide career pathways for disadvantaged workers. 100% of the incentive dollars associated with those contracts will be allocated to those contractors.
DIVERSITY	300	SDGE	Count	Diversity	Indicator	Number Career & Workforce Readiness (CWR) participants who have been employed for 12 months after receiving the training	Workforce Education and Training (WET)	Revised per guidance from Commission staff. This metric was intended to apply only to the Statewide CWR program, which will help Disadvantaged Workers enter the energy industry, and not technical upskill classes offered at the Energy Centers. As the lead PA, PG&E will report on this metric for the whole state.	N/A	N/A							CWR program does not yet exist.	N/A	
ETP	301	SW	Count	Research Prioritization	Metric	ETP-M1 Number of TPMs initiated (gas and electric combined), including one technology-focused pilot (TFP) TPM **This number will be updated once all third party contracts have been awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	0.00	6.00	tbd TPMs*	tbd TPMs*	Data for this metric will be gathered from 3P TPM implementers annually.	1) Technology priority maps (TPMs) are defined in the Business Plan 2) Technology-focused pilot: See ETP-M7	

ETP	302	SW	Count of TPMs	Research Prioritization	Metric	ETP-M2 Number of TPMs updated *This number will be updated once all third party contracts have been awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	0.00	3.00	tbd TPMs*	tbd TPMs*	Data for this metric will be gathered from 3P TPM Implementers annually.	1) Technology priority maps (TPMs) are defined in the Business Plan
ETP	303	SW	Count of Projects	Projects	Metric	ETP-M3 Number of projects initiated *This number will be updated once all third party contracts have been awarded.	Emerging Technologies (ET)	2,017	53 projects	N/A	N/A	0.00	0.00	61.00	tbd projects*	tbd projects*	Data for this metric will be gathered from 3P TPM Implementers annually.	1) Technology priority maps (TPMs) are defined in the Business Plan 2) Projects are considered "initiated" when project budget has been approved and funding allocated.
ETP	304	SW	Count of Events	Outreach	Metric	ETP-M4: Number of outreach events with technology developers with products <1 year from commercialization, including new technology vendors, manufacturers, and entrepreneurs. *This number will be updated once all third party contracts have been awarded.	Emerging Technologies (ET)	2,017	5.00	N/A	N/A	0.00	2.00	3.00	tbd events*	tbd events*	Each ETP event will provide data for ETP-M4 and ETP-M5 simultaneously. **Data for this metric will be gathered from TPM Implementers annually based on methodology to be determined.	1) "Technology developers" – Any organization or company that develops energy efficiency and demand response technology suitable for inclusion in PA incentive programs 2) "Events" – ET Summit, webinars, and in-person meetings, as proposed by ETP implementers.
ETP	305	SW	Count of Events	Outreach	Metric	ETP-M5: Number of outreach events with technology developers with products <5 years from commercialization, including new technology vendors, manufacturers, and entrepreneurs. *This number will be updated once all third party contracts have been awarded.	Emerging Technologies (ET)	See ETP-M4	See ETP-M4	N/A	N/A	See ETP-M4	See ETP-M4	See ETP-M4	See ETP-M4	See ETP-M4	Each ETP event will provide data for ETP-M4 and ETP-M5 simultaneously. **Data for this metric will be gathered from 3P TPM Implementers annually based on methodology to be determined.	1) "Technology developers" – Any organization or company that develops energy efficiency and demand response technology suitable for inclusion in PA incentive programs. 2) "Events" – ET Summit, webinars, and in-person meetings, as proposed by ETP implementers.
ETP	306	SW	Count of TFPs	Pilots	Metric	ETP-M6: Number of projects initiated with cooperation from other internal IOU programs associated with each Technology-focused Pilot *This number will be updated once all third party contracts have been awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	0.00	2.00	tbd*	tbd*	ETP-M6 metric is a subset of ETP-M7 and counted towards ETP-M7 targets. All targets will be determined by 3P TPM implementers.	1) "Cooperation" is defined as a process by which all parties work towards a mutual objective.
ETP	307	SW	Count of TFPs	Pilots	Metric	ETP-M7 Number of Technology-Focused Pilot (TFP) initiated as part of the TFP TPM. *This number will be updated once all third party contracts have been awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	0.00	3.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers annually.	1) A technology-focused pilot (TFP) will identify market barriers for a diverse range of high-impact technologies through studies, and subsequently breaking down identified barriers in collaboration with other relevant programs . 2) "Technology-focused Pilot"- Pilots that have been proposed by 3Ps in response to PA needs and that have been approved through the existing ED Ideation Process. These includes TFPs conducted in cooperation with other programs.

ETP	308	SW	Percent of New Measures	Measure Tracing	Metric	ETP-T1: Prior year: % of new measures added to the portfolio that were previously ETP technologies *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new measures.	Emerging Technologies (ET)	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	N/A	N/A	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	Per ED: Baseline, methodology, and targets need to be determined by ED evaluation contractors. ED evaluators can make recommendations on what suitable targets would be. ETP Tracking Metrics 1 – 5 need to be determined at the same time as part of calculating savings (ETP-T5), and because ETP impact and savings are involved, ED evaluators need to make these determinations. Baselines will not be available until then.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets.
ETP	309	SW	Count of New Measures	Measure Tracing	Metric	ETP-T2: Prior Year: # of new measures added to the portfolio that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new measures.	Emerging Technologies (ET)	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	N/A	N/A	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	Per ED: Baseline, methodology, and targets need to be determined by ED evaluation contractor. ETP Tracking Metrics 1 – 5 need to be determined at the same time as part of calculating savings (ETP-T5), and because ETP impact and savings are involved, ED evaluators need to make these determinations. Baselines will not be available until then.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets.
ETP	310	SW	Percent	Measure Tracing	Metric	ETP-T3: Prior year: % of new codes or standards that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new codes or standards.	Emerging Technologies (ET)	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	N/A	N/A	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	Per ED: Baseline, methodology, and targets need to be determined by ED evaluation contractor.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets.

ETP	311	SW	Count	Measure Tracing	Metric	ETP-T4: Prior Year: # of new codes and standards that were previously ETP technologies. *The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new codes or standards.	Emerging Technologies (ET)	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	N/A	N/A	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	Per ED: Baseline, methodology, and targets need to be determined by ED evaluation contractor. ETP Tracking Metrics 1-5 need to be determined at the same time as part of calculating savings (ETP-TS), and because ETP impact and savings are involved, ED evaluators need to make these determinations. Baselines will not be available until then. PAs will work with ED to support matching ETP content to portfolio content.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets.
ETP	312	SW	Lifecycle net kW	Savings Tracing	Metric	ETP-T5a: Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Emerging Technologies (ET)	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	N/A	N/A	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	Per ED: Baseline, methodology, and targets need to be determined by ED evaluation contractor. ETP Tracking Metrics 1-5 need to be determined at the same time as part of calculating savings (ETP-TS), and because ETP impact and savings are involved, ED evaluators need to make these determinations. Baselines will not be available until then.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. ETP is a non-resource program and does not make savings claims.
ETP	313	SW	Lifecycle net kWh	Savings Tracing	Metric	ETP-T5b: Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Emerging Technologies (ET)	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	N/A	N/A	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	Per ED: Baseline, methodology, and targets need to be determined by ED evaluation contractor. ETP Tracking Metrics 1-5 need to be determined at the same time as part of calculating savings (ETP-TS), and because ETP impact and savings are involved, ED evaluators need to make these determinations. Baselines will not be available until then.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. ETP is a non-resource program and does not make savings claims.

ETP	314	SW	Lifecycle net Therms	Savings Tracing	Metric	ETP-T5c: Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Ex-ante with gross and net for all measures, with ex-post where available. *The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Emerging Technologies (ET)	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	N/A	N/A	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	Per ED: Baseline, methodology, and targets need to be determined by ED evaluation contractor. ETP Tracking Metrics 1-5 need to be determined at the same time as part of calculating savings (ETP-T5), and because ETP impact and savings are involved, ED evaluators need to make these determinations. Baselines will not be available until then.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. ETP is a non-resource program and does not make savings claims.
ETP	315	SW	Count of project ideas by PA	Project Idea Tracing	Metric	ETP-T6a Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	2.00	2.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers annually. If ideas are submitted both outside and as part of the TPM-aligned research planning process, it can be reported under both ETP-T6 and ETP-T7. Ideas may be submitted by more than one source and will be counted under each.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.
ETP	316	SW	Count of project ideas by national labs	Project Idea Tracing	Metric	ETP-T6b Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	1.00	1.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers annually. If ideas are submitted both outside and as part of the TPM-aligned research planning process, it can be reported under both ETP-T6 and ETP-T7. Ideas may be submitted by more than one source and will be counted under each.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.

ETP	317	SW	Count of project ideas by manufacturers	Project Idea Tracing	Metric	ETP-T6c Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	1.00	1.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers annually. If ideas are submitted both outside and as part of the TPM-aligned research planning process, it can be reported under both ETP-T6 and ETP-T7. Ideas may be submitted by more than one source and will be counted under each.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.
ETP	318	SW	Count of project ideas by entrepreneurs	Project Idea Tracing	Metric	ETP-T6d Number and source (as reported by submitter) of project ideas submitted OUTSIDE OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	0.00	1.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers annually. If ideas are submitted both outside and as part of the TPM-aligned research planning process, it can be reported under both ETP-T6 and ETP-T7. Ideas may be submitted by more than one source and will be counted under each.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing. "Submitted" refers to an idea submitted through a formal submission process.
ETP	319	SW	Count of project ideas by PA	Project Idea Tracing	Metric	ETP-T7a Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	3.00	3.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers. If ideas are submitted both outside and as part of the TPM-aligned research planning process, it can be reported under both ETP-T6 and ETP-T7. Ideas may be submitted by more than one source and will be counted under each.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.

ETP	320	SW	Count of project ideas by national labs	Project Idea Tracing	Metric	ETP-T7b Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	0.00	1.00	1.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers. If ideas are submitted both outside and as part of the TPM-aligned research planning process, it can be reported under both ETP-T6 and ETP-T7. Ideas may be submitted by more than one source and will be counted under each.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.
ETP	321	SW	Count of project ideas by manufacturers	Project Idea Tracing	Metric	ETP-T7c Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Emerging Technologies (ET)		N/A	N/A	0.00	1.00	1.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers. If ideas are submitted both outside and as part of the TPM-aligned research planning process, it can be reported under both ETP-T6 and ETP-T7. Ideas may be submitted by more than one source and will be counted under each.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	
ETP	322	SW	Count of project ideas by entrepreneurs	Project Idea Tracing	Metric	ETP-T7d Number and source (as reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process, for these categories of sources: PA, national lab, manufacturer, entrepreneur, etc.) *The PAs believe this is not suited for a metric with targets because ETP does not control the number of submissions nor their sources. Targets are set in a way to avoid forcing ETP to arbitrarily change existing processes in a way that may negatively impact the effectiveness of the program. Targets and sources may be updated in collaboration with ED after all 3P contracts are awarded.	Emerging Technologies (ET)		N/A	N/A	0.00	0.00	1.00	tbd*	tbd*	Data for this metric will be gathered from 3P TPM Implementers. If ideas are submitted both outside and as part of the TPM-aligned research planning process, it can be reported under both ETP-T6 and ETP-T7. Ideas may be submitted by more than one source and will be counted under each.	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. "Submitted" refers to an idea submitted through a formal submission process.	

ETP	323	SW	Number of lists	Statewide Goal Alignment	Metric	ETP-T8: List of ETP projects aligned with statewide goals that were initiated in the reporting year with specificity as to what aspect of each goal it is fulfilling. Goals will also be labeled in the ETP database. A list of eligible goals will be developed collaboratively with ED.	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	1.00	1.00	1.00	3 lists cumulative	2 lists cumulative	Data for this metric will be gathered from 3P TPM Implementers. An ETP project may align with multiple statewide goals and will be listed under each goal. **	ETP-T1 through ETP-T8 are in a table titled "Emerging Technologies Tracking (Reporting)" and are separate from the metrics ETP-M1 through ETP-M7 in the table titled "Emerging Technologies Metrics" in Attachment A of D.18-05-041. PAs had proposed that tracking metrics have no targets in the July 14, 2017 metrics filing, however the commission ruled that these tracking metrics must have targets. The "statewide goals" will be tracked and updated in collaboration with ED as needed. Projects are considered "initiated" when
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