

February 21, 2020

Edward Randolph
Director of the Energy Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Re: R.13-09-011, A.08-06-001 et al, and A.11-03-001 et al
Report of Southern California Edison Company (U 338-E)
on Interruptible Load Programs and Demand Response Programs

Dear Mr. Randolph:

Southern California Edison Company (“SCE”) submits a confidential and public version of its Report on Interruptible Load Programs and Demand Response Programs pursuant to Ordering Paragraph No. 39 of Decision 09-08-027.¹ This monthly report also contains SCE’s emergency activities and expenses in response to the natural gas leak at the Aliso Canyon Storage Facility, in compliance with the Administrative Law Judge’s Ruling Granting Southern California Edison Company’s Request to Defer Monthly Reporting of Aliso Canyon Activities, dated April 13, 2016 in proceeding R.13-09-011. SCE’s report, presented in Appendix A, follows the reporting requirements and uses the approved template from Energy Division. The confidential version of the Report is being provided to Energy Division Central Files with an accompanying Declaration. The public version of the report is posted on a publicly available website:

- Go to www.sce.com;
- Click on the “Regulatory Information” link at the bottom right of the page;
- Select “CPUC Open Proceedings”;
- Enter “R.13-09-011” in the search box;
- Locate and select the “R1309011-SCE Monthly ILP and DR Report 202001” links to access associated documents.²

Very truly yours,

/s/ Robin Meidhof

Robin Meidhof

¹ Ordering Paragraph No. 39 requires PG&E and the other utilities to “...use a consistent monthly report format approved by Energy Division staff, and ...provide these monthly reports to the Director of the Commission’s Energy Division, with service on the most recent service list in this proceeding.”

² If you have trouble accessing the document using this process, you should be able to find the document using this link: <http://www3.sce.com/law/cpucproceedings.nsf/vwSearchProceedings?SearchView&Query=R.13-09-011&SearchMax=1000&Key1=1&Key2=25>. If you still cannot access the documents with this link, please contact Legal.Admin@sce.com.

Edward Randolph
Director of the Energy Division
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cc: ALJ Kelly Hymes
ALJ Nilgun Atamturk
Aloke Gupta
All Parties of Record in A.08-06-001 et al and A.11-03-001 et al, and R.13-09-011 - *via email*

Enclosure(s)

Appendix A

SCE WG2 Monthly Enhanced Report For January 2020

Table I-1
 SCE Supply-Side Demand & Load-Modifying Demand Response Programs
 Subscription Statistics - Program Estimated Ex Ante and Ex Post MWs
 2020

Southern California Edison
 Monthly Program Enrollment and Estimated Load Impacts⁽¹⁾

	January			February			March			April			May			June			Estimated Eligible Accounts as of Jan 1, 2020
	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	
Supply-Side Demand Response Programs																			
Agricultural & Pumping Interruptible (API)	931	10.3	28.7																13,813
Base Interruptible Program (BIP) 15 Minute Option	53	144.5	170.3																9,120
Base Interruptible Program (BIP) 30 Minute Option	410	383.6	403.5																9,120
Capacity Bidding Program (CBP) Day Ahead																			647,769
Capacity Bidding Program (CBP) Day Of																			647,769
Smart Energy Program (SEP)	54,867	0.0	23.0																1,594,751
Summer Discount Plan Program (SDP) - Commercial	8,717	0.8	11.1																478,604
Summer Discount Plan Program (SDP) - Residential	213,864	0.1	147.6																2,087,890
Sub-Total				0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0
Load-Modifying Demand Response Programs																			
Critical Peak Pricing (CPP)	262,302	12.2	34.8																4,001,262
Optional Bidding Mandatory Curtailment (OBMC)	10	16.0	15.2																N/A
Real Time Pricing (RTP)	110	0.2	0.3																495,111
Scheduled Load Reduction Program (SLRP)	0	0.0	0.0																18,492
Sub-Total	262,422	28.3	50.3	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0
Total All Programs				0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0

	July			August			September			October			November			December			Eligible Accounts as of Jan 1, 2020
	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	Service Accounts	Ex Ante Estimated MW ⁽²⁾	Ex Post Estimated MW ⁽³⁾	
Supply-Side Demand Response Programs																			
Agricultural & Pumping Interruptible (API)																			13,813
Base Interruptible Program (BIP) 15 Minute Option																			9,120
Base Interruptible Program (BIP) 30 Minute Option																			9,120
Capacity Bidding Program (CBP) Day Ahead																			647,769
Capacity Bidding Program (CBP) Day Of																			647,769
Smart Energy Program (SEP)																			1,594,751
Summer Discount Plan Program (SDP) - Commercial																			478,604
Summer Discount Plan Program (SDP) - Residential																			2,087,890
Sub-Total	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0
Load-Modifying Demand Response Programs																			
Critical Peak Pricing (CPP)																			4,001,262
Optional Bidding Mandatory Curtailment (OBMC)																			N/A
Real Time Pricing (RTP)																			495,111
Scheduled Load Reduction Program (SLRP)																			18,492
Sub-Total	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0
Total All Programs	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0

Notes:

- (1) Readers should exercise caution in interpreting or using the estimated MW values found in this report in either the ex post or ex ante columns. Ex post estimates reflects historic event(s) that have taken place during specific time periods and actual weather conditions by a mix of customers that participated on event day(s). Ex ante forecasts account for variables not included in the ex post estimate such as normalized weather conditions, expected customer mix during events, expected time of day which events occur, and other lesser effects etc. An ex ante forecast reflects forecast impact estimates that would occur between 4 pm and 9pm during a specific DR program's operating season, based on CAISO 1-in-2 weather conditions. The ex ante and ex post load impacts presented in this report are based on the IOU's annual April 1st Compliance Filings pursuant to Decision D.08-04-050. SCE provides reports to various other agencies (CAISO, FERC, NERC, etc.) which may differ from the load impact estimates in this report but are still based on the April 1st Compliance Filing. The differences are attributed to the use of average values over specific load impact hours and other factors.
- (2) Ex Ante Estimated MW = The monthly ex ante average load impact per customer; (reported in the annual April 1 DR Load Impact Studies filed in compliance with D. 08-04-050, Ordering Paragraph 4), multiplied by the number of currently enrolled service accounts for the reporting month. The ex ante average load impact is the average hourly load impact for an event that would occur from 4-9pm on the system peak day of the month. Monthly ex ante estimates are indicated only for programs which can be called for events that reporting month. For programs that are not available that month or do not have a positive load impact, a value of zero is reported. SDP Residential is available year-round, however, due to no events being called during certain months in previous years, no ex ante data is available.
- (3) Ex Post Estimated MW = The monthly ex post average load impact per customer; (reported in the annual April 1 DR Load Impact Studies filed in compliance with D. 08-04-050, Ordering Paragraph 4), multiplied by the number of currently enrolled service accounts for the reporting month. The annual ex post average load impact is the average hourly load impact per customer for those customers that may have participated in an event(s) between 4-9pm on event days in the preceding year when or if events occurred. Ex Post OBMC Load Impacts are based on program year 2008.
- (4) CBP service accounts reflect monthly nomination counts, not total program enrollment.

Table 1-1A
Average Load Impact kW / Service Accounts
2020

Southern California Edison
Program Eligibility and Average Load Impacts

	Average Ex Post Load Impact kW / Service Accounts ⁽¹⁾												Estimated Eligible Accounts as of Jan 1, 2020	Eligibility Criteria
	January	February	March	April	May	June	July	August	September	October	November	December		
Supply-Side Demand Response Programs														
Agricultural & Pumping Interruptible (API)		30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	13,813	All customers > 37kW or connected load of 50 horsepower or greater on a TOU Ag & Pump rate
Base Interruptible Program (BIP) 15 Minute Option	3,213.9	3,213.9	3,213.9	3,213.9	3,213.9	3,213.9	3,213.9	3,213.9	3,213.9	3,213.9	3,213.9	3,213.9	9,120	All C & I customers > 200kW, excluding those on CPP
Base Interruptible Program (BIP) 30 Minute Option	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1	9,120	All C & I customers > 200kW, excluding those on CPP
Capacity Bidding Program (CBP) Day Ahead ⁽²⁾	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	647,769	All non-residential customers with an IDR or Smart Connect Meter (excluding non-residential customers under any streetlight, area Lighting, traffic control or wireless technology rate)
Capacity Bidding Program (CBP) Day Of	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	647,769	All non-residential customers with an IDR or Smart Connect Meter (excluding non-residential customers under any streetlight, area Lighting, traffic control or wireless technology rate)
Smart Energy Program (SEP)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1,594,751	All bundled service residential customers with Smart Meters excluding those on rates DM, DMS-1, DMS-2, DMS-3, D-S, SDP, DRAM, CPP, any type of Medical Baseline Allocation. (AC penetration = 0.5)
Summer Discount Plan Program (SDP) - Commercial	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	478,604	All commercial customers with central air conditioning, excluding those on CBP, CPP, and BIP (AC penetration = 0.77)
Summer Discount Plan Program (SDP) - Residential	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2,087,890	All residential customers with Smart Meters excluding those on rates DM, DMS-1, DMS-2, DMS-3, D-S, Medical Baseline with A/C, CPP, and SEP (AC penetration = 0.5)
Load-Modifying Demand Response Programs														
Critical Peak Pricing Small 0 to 20 kW ⁽³⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,918,249	All bundled service customers with an IDR or Smart Connect Meter
Critical Peak Pricing Med 20 to 199.99 kW ⁽³⁾	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	74,995	All bundled service customers with an IDR or Smart Connect Meter
Critical Peak Pricing Large 200 kW and Above ⁽³⁾	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8,018	All bundled service customers with an IDR or Smart Connect Meter
Optional Binding Mandatory Curtailment (OBMC) ⁽³⁾	1,517.0	1,517.0	1,517.0	1,517.0	1,517.0	1,517.0	1,517.0	1,517.0	1,517.0	1,517.0	1,517.0	1,517.0	N/A ⁽⁴⁾	All non-residential customers who can reduce circuit load by 15%
Real Time Pricing (RTP) ⁽³⁾	3.1	3.1	3.0	99.6	1.6	-51.8	12.8	114.7	-56.3	61.5	3.1	3.1	495,111	All non-residential bundled service customers
Scheduled Load Reduction Program (SLRP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18,492	All non-residential bundled service customers > 100kW

Notes:
 (1) Estimated Average Ex Post Load Impact kW / Customer = Average kW / Customer service account over actual event hours during the 4-9pm window for the preceding year if events occurred omitting 0 and negative load values if program was available, but not dispatched. Some programs may experience no events or few events while other programs may operate regularly depending on event triggers. For existing programs, the Average Ex Post Load Impact per customer service account remains constant across all months with the exception of RTP. Ex Post for OBMC Load Impacts are based on reports filed in 2008 and all remaining ex post values are from the DR Load Impact Studies annual compliance filing on April 1, 2019 (PY2018) for Jan-Dec.
 (2) CBP Day Ahead Ex-Post value is the Day-Ahead 1-6 Hour Load Impact value.
 (3) Average Ex Ante Load Impact kW/Customer = Average kW / Customer, Program Level Impact, under CAISO 1-in-2 weather conditions, of an event that would occur from 4-9pm on the system peak day of the month, as reported in the DR load impact studies annual compliance filing on April 1, 2019 (PY2018) for Jan-Dec except where noted. For programs that are not active outside of the summer season a zero load impact value is reported. For programs available outside of the summer season, estimated Average Ex Ante Load Impacts for November through March are used depending on available data and reflect a typical event that would occur from 4-9pm under the same conditions. Ex Ante load for OBMC load impacts are based on reports filed in 2008.
 (4) CPP Load Impacts separated by customer size and updated using DR Load Impact Studies annual compliance filing on April 1, 2019 (PY2018) for Jan-Dec.
 (5) The accounts eligible to participate in OBMC are not available because the number of customers who can reduce 15% of their entire circuit load during every rotating outage cannot be reasonably estimated.

	Average Ex Ante Load Impact kW / Service Accounts ⁽¹⁾												Estimated Eligible Accounts as of Jan 1, 2020	Eligibility Criteria	
	January	February	March	April	May	June	July	August	September	October	November	December			
Supply-Side Demand Response Programs															
Agricultural & Pumping Interruptible (API)		11.1	21.1	12.7	25.9	33.3	39.9	39.5	40.1	30.0	22.4	14.2	12.2	13,813	All customers > 37kW or connected load of 50 horsepower or greater on a TOU Ag & Pump rate
Base Interruptible Program (BIP) 15 Minute Option	2,727.2	3,009.4	2,853.9	2,797.1	2,948.3	3,076.6	3,011.1	3,053.3	3,278.7	3,110.5	3,113.2	2,905.1	9,120	All C & I customers > 200kW, excluding those on CPP	
Base Interruptible Program (BIP) 30 Minute Option	935.6	981.7	1,007.8	949.9	984.9	1,071.7	1,020.5	1,048.0	1,032.2	948.6	917.5	881.6	9,120	All C & I customers > 200kW, excluding those on CPP	
Capacity Bidding Program (CBP) Day Ahead	-0.4	-0.4	-0.4	-0.4	22.1	22.1	22.1	22.1	22.1	22.1	-0.4	-0.4	647,769	All non-residential customers with an IDR or Smart Connect Meter (excluding non-residential customers under any streetlight, area Lighting, traffic control or wireless technology rate)	
Capacity Bidding Program (CBP) Day Of	-0.4	-0.4	-0.4	-0.4	22.1	22.1	22.1	22.1	22.1	22.1	-0.4	-0.4	647,769	All non-residential customers with an IDR or Smart Connect Meter (excluding non-residential customers under any streetlight, area Lighting, traffic control or wireless technology rate)	
Smart Energy Program (SEP)	0.0	0.0	0.0	0.4	0.4	0.5	0.6	0.6	0.7	0.5	0.0	0.0	1,594,751	All bundled service residential customers with Smart Meters excluding those on rates DM, DMS-1, DMS-2, DMS-3, D-S, SDP, DRAM, CPP, any type of Medical Baseline Allocation. (AC penetration = 0.5)	
Summer Discount Plan Program (SDP) - Commercial	0.1	0.1	0.1	1.0	1.1	1.5	1.9	1.9	1.8	1.3	0.7	0.2	478,604	All commercial customers with central air conditioning, excluding those on CBP, CPP, and BIP (AC penetration = 0.77)	
Summer Discount Plan Program (SDP) - Residential	0.0	0.0	0.0	0.3	0.4	0.6	0.8	0.8	0.8	0.4	0.1	0.0	2,087,890	All residential customers with Smart Meters excluding those on rates DM, DMS-1, DMS-2, DMS-3, D-S, Medical Baseline with A/C, CPP, and SEP (AC penetration = 0.5)	
Load-Modifying Demand Response Programs															
Critical Peak Pricing Small 0 to 20 kW ⁽³⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,918,249	All bundled service customers with an IDR or Smart Connect Meter	
Critical Peak Pricing Med 20 to 199.99 kW ⁽³⁾	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	74,995	All bundled service customers with an IDR or Smart Connect Meter	
Critical Peak Pricing Large 200 kW and Above ⁽³⁾	6.2	6.2	6.2	6.3	6.3	6.4	7.0	5.8	10.0	3.1	6.2	6.2	8,018	All bundled service customers with an IDR or Smart Connect Meter	
Optional Binding Mandatory Curtailment (OBMC) ⁽³⁾	1,596.9	1,599.4	1,601.1	1,555.4	1,609.8	1,524.3	1,510.6	1,532.1	1,469.2	1,450.6	1,498.3	1,348.1	N/A ⁽⁴⁾	All non-residential customers who can reduce circuit load by 15%	
Real Time Pricing (RTP) ⁽³⁾	1.5	1.5	1.8	1.4	1.4	-5.1	18.0	50.5	18.0	1.4	1.4	1.4	495,111	All non-residential bundled service customers	
Scheduled Load Reduction Program (SLRP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18,492	All non-residential bundled service customers > 100kW	

Notes:
 (1) Average Ex Ante Load Impact kW/Customer = Average kW / Customer, Program Level Impact, under CAISO 1-in-2 weather conditions, of an event that would occur from 4-9pm on the system peak day of the month, as reported in the DR load impact studies annual compliance filing on April 1, 2019 (PY2018) for Jan-Dec except where noted. For programs that are not active outside of the summer season a zero load impact value is reported. For programs available outside of the summer season, estimated Average Ex Ante Load Impacts for November through March are used depending on available data and reflect a typical event that would occur from 4-9pm under the same conditions. Ex Ante load for OBMC load impacts are based on reports filed in 2008.
 (2) CBP Day Ahead Ex-Post value is the Day-Ahead 1-6 Hour Load Impact value.
 (3) Average Ex Ante Load Impact kW/Customer = Average kW / Customer, Program Level Impact, under CAISO 1-in-2 weather conditions, of an event that would occur from 4-9pm on the system peak day of the month, as reported in the DR load impact studies annual compliance filing on April 1, 2019 (PY2018) for Jan-Dec except where noted. For programs that are not active outside of the summer season a zero load impact value is reported. For programs available outside of the summer season, estimated Average Ex Ante Load Impacts for November through March are used depending on available data and reflect a typical event that would occur from 4-9pm under the same conditions. Ex Ante load for OBMC load impacts are based on reports filed in 2008.
 (4) CPP Load Impacts separated by customer size and updated using DR Load Impact Studies annual compliance filing on April 1, 2019 (PY2018) for Jan-Dec.
 (5) The accounts eligible to participate in OBMC are not available because the number of customers who can reduce 15% of their entire circuit load during every rotating outage cannot be reasonably estimated.

Table I-1B
SCE Auto DR Program Subscription Statistics
2020

Southern California Edison
Detailed Breakdown of MW To Date in Auto DR Programs

	January	February	March	April	May	June	July	August	September	October	November	December
	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW
Supply-Side Demand Response Programs												
Capacity Bidding Program (CBP)	13.5											
Sub-Total	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Load-Modifying Demand Response Programs												
Critical Peak Pricing (CPP)	11.7											
Real Time Pricing (RTP)	27.5											
Sub-Total	39.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Demand Response Auction Mechanism (DRAM) and Direct Participation Electric Rule 24												
Demand Response Auction Mechanism (DRAM)	7.5											
Sub-Total	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Technology MW	60.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
General Program												
Not funded by Auto-DR but not enrolled in qualifying DR Program	185.6											
Total	245.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes:

Activity reflects projects initiated in 2009-2017
MWs reported on this page are not excluded from and are not directly related to the mW's on the Program Ex Ante & Ex Post MWs tab.

AutoDR Verified MW

Represents verified/tested MW for service accounts that participated in Auto DR.

Total Technology MW
General Program category

Represents the sum of verified MW associated with the service accounts in the Auto DR programs.
Represents MW of participants who have received AutoDR incentives but are not currently enrolled in a Qualifying Demand Response Program.

Table I-1B
SCE Auto DR Program Subscription Statistics
2020

Southern California Edison
Detailed Breakdown of MW To Date in Auto DR Programs

	January	February	March	April	May	June	July	August	September	October	November	December
	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW	Auto DR Verified MW
Supply-Side Demand Response Programs												
Capacity Bidding Program (CBP)	0.0											
Sub-Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Load-Modifying Demand Response Programs												
Critical Peak Pricing (CPP)	0.0											
Real Time Pricing (RTP)	0.0											
Sub-Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Demand Response Auction Mechanism (DRAM) and Direct Participation Electric Rule 24												
Demand Response Auction Mechanism (DRAM)	0.1											
Sub-Total	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Technology MW	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
General Program												
Not funded by Auto-DR but not enrolled in qualifying DR Program	0.0											
Total	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes:

Activity reflects projects initiated in 2018-2022.
MWs reported on this page are not excluded from and are not directly related to the mW's on the Program Ex Ante & Ex Post MWs tab.

AutoDR Verified MW

Represents verified/tested MW for service accounts that participated in Auto DR.

Total Technology MW

Represents the sum of verified MW associated with the service accounts in the Auto DR programs.

General Program Category

Represents MW of participants who have received AutoDR incentives but are not currently enrolled in a Qualifying Demand Response Program.

Table 1-2
SCE Demand Response Programs and Activities
Expenditures and Funding
2018-2022

Southern California Edison
Year-to-Date Program Expenditures

Cost Item	2018 Total Expenditures ⁽¹⁾	2019 Total Expenditures ⁽¹⁾	2020 Expenditures ⁽²⁾												Program-to-Date					
			January	February	March	April	May	June	July	August	September	October	November	December	Year-to-Date 2020 Expenditures	Total Expenditures 2018-2022	5-Year Funding 2018-2022	Fundshift Adjustments	Percent Funding	
Category 1: Supply-Side Demand Response Programs																				
Agricultural & Pumping Interruptible (API)	\$388,983	\$50,266	\$172,117																	
Agricultural & Pumping Interruptible (API) Incentives	\$5,669,401	\$3,337,670	\$1,000,656																	
Base Interruptible Program (BIP)	\$168,179	\$165,243	\$13,212																	
Base Interruptible Program (BIP) Incentives	\$78,140,999	\$60,058,312	\$3,286,228																	
Capacity Bidding Program (CBP)	\$121,749	\$106,476	\$6,093																	
Capacity Bidding Program (CBP) Incentives	\$461,722	\$411,983	(\$1,452)																	
Smart Energy Program (SEP)	\$844,172	\$2,381,411	\$39,504																	
Smart Energy Program (SEP) Incentives	\$1,945,546	\$1,961,007	\$19,005																	
Summer Discount Plan Program (SDP)	\$3,797,683	\$5,196,187	\$191,072																	
Summer Discount Plan Program (SDP) Incentives	\$47,294,751	\$39,155,297	\$159,219																	
Category 1 Total	\$138,284,564	\$113,219,322	\$3,987,074	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,987,074	\$256,090,960	\$638,314,215	40%	
Category 2: Load-Modifying Demand Response Programs																				
Optional Binding Mandatory Curtailment (OBMC)	\$0	\$0	\$0														\$0	\$0	\$15,000	0%
Rotating Outlets	\$0	\$0	\$0														\$0	\$0	\$400,000	0%
Scheduled Load Reduction Program (SLRP)	\$0	\$0	\$0														\$0	\$0	\$15,625	0%
Category 2 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$430,625	0%
Category 3: Demand Response Auction Mechanism (DRAM) and Direct Participation Electric Rule 24																				
Demand Response Auction Mechanism (DRAM)	\$3,616,029	\$8,683,044	\$135,760														\$135,760	\$12,434,833	\$35,160,000	35%
DR Rule 24	\$0	\$0	\$0														\$0	\$0	\$0	0%
Category 3 Total	\$3,616,029	\$8,683,044	\$135,760	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$135,760	\$12,434,833	\$35,160,000	35%
Category 4: Emerging Markets & Technology																				
Emerging Markets and Technology	\$2,301,711	\$5,164,302	\$80,504														\$80,504	\$7,546,517	\$4,610,000	52%
Technology Incentive Program (AutoDR TI)	\$3,808,826	\$95,221	\$12,854														\$12,854	\$4,856,951	\$2,639,325	11%
Category 4 Total	\$6,110,537	\$5,099,523	\$193,358	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$193,358	\$12,403,468	\$7,249,325	23%
Category 5: Pilots																				
CBP Residential Pilot	\$0	\$0	\$0														\$0	\$0	\$1,005,000	0%
Charge Ready Pilot	\$113,769	\$61,768	\$4,792														\$4,792	\$180,329	\$429,953	42%
Constrained Local Capacity Planning Areas & Disadvantaged Communities Pilot	\$0	\$0	\$0														\$0	\$0	\$1,000,000	0%
Category 5 Total	\$113,769	\$61,768	\$4,792	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,792	\$180,329	\$2,434,953	7%
Category 6: Marketing, Education, and Outreach (MEMO)																				
Other Local Marketing	\$1,850,892	\$2,069,309	\$10,636														\$10,636	\$3,930,836	\$4,276,950	28%
Statewide MEMO	\$1,029,833	\$1,783,655	\$51,064														\$51,064	\$3,833,511	\$5,881,056	56%
Category 6 Total	\$3,879,725	\$3,852,964	\$61,699	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$61,699	\$7,764,347	\$10,158,006	37%
Category 7: Portfolio Support (Includes EMBV, System Support, and Notifications)																				
DR Potential Study	\$0	\$0	\$0														\$0	\$0	\$1,000,000	0%
DR Systems & Technology Support	\$3,848,821	\$4,555,422	\$527,530														\$527,530	\$8,931,773	\$9,210,482	31%
Evaluation, Measurement & Verification (EM&V)	\$354,536	\$675,952	\$87,038														\$87,038	\$1,117,326	\$6,090,136	18%
Category 7 Total	\$4,203,357	\$5,231,374	\$614,568	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$614,568	\$10,049,299	\$17,300,618	27%
Integrated Programs and Activities																				
ISDM Non-Residential	\$1,056,382	\$965,298	(\$34,712)														(\$34,712)	\$2,061,067	\$4,600,000	5%
ISDM Residential	\$69,366	\$95,473	\$4,793														\$4,793	\$169,632	\$5,000,000	3%
Integrated Programs and Activities Total	\$1,125,747	\$1,060,771	(\$30,000)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$30,000)	\$2,230,699	\$9,600,000	5%
Total Incremental Cost	\$157,824,728	\$138,292,895	\$4,977,331	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,977,331	\$301,694,895	\$840,717,742	36%
Auto-DR Technology Incentives (AutoDR TI) commitments outstanding as of 1/31/2020																				
2018-2022 Customized	\$	\$	\$67,496																	
2018-2022 Express	\$	\$	134,490																	
Total	\$	\$	1,001,986																	

Notes:
 (1) 2018 and 2019 Expenditures include Incentive amounts paid to customers.
 (2) Funding for DR programs and activities are approved in D.17-12-003 and recorded in SCE's Demand Response Program Balancing Account (DRPBA) unless otherwise noted.
 (3) Incentives are for programs in Category 1 only.
 (4) DRAM activities are approved in D.17-10-017, D.19-07-009, and E-4817 and settled to BRBA. Expenditures represent Resource Adequacy (RA) payments to demand response providers (DRP) based on the Demonstrated Capacity for each applicable Showing (Delivery) Month, in the month that the payments were paid. Payments are calculated as the product of the Contract Price of the RA Product and Demonstrated Capacity (kW) as defined in the DRAM Purchase Agreement, Section 1.6.
 (5) Funding for Statewide MEMO reflects the cumulative approved DR budget from AL 4156-E/4157-E for 1/1/20-12/31/21. Expenditures are recorded to the SWMEMO.
 (6) Integrated Programs and Activities section was updated in July 2018 to align with the funding approved SCE's EE Rolling Portfolio Business Plan for 2018-2025 in D.18-05-041 and resulted in the consolidation of 11 activities to 2. In order to align with the DR program cycle defined in D.17-12-003, only funding through 2022 is included. SCE will continue with the consolidated budget approach from last year.
 (7) Total Expenditures for BIP includes BIP Aggregation Incentives and Excess Energy Charges. This is consistent with table 1-3.

Table 1.2A
SCE Demand Response Programs and Activities
Carry-Over Expenditures and Funding
2018-2022

Southern California Edison
Year-to-Date Program Expenditures

Cost Item	2018 Total Expenditures	2019 Total Expenditures	2020 Expenditures ⁽¹⁾												Year-to-Date 2020 Expenditures	Program-to-Date Total Expenditures 2018-2022			
			January ⁽²⁾	February	March	April	May	June	July	August	September	October	November	December					
Category 1 : Reliability Programs																			
Agricultural Pumping Interruptible (API)	\$11,053	\$84	\$3														\$3	\$11,140	
Base Interruptible Program (BIP)	\$7,197	\$20	\$1,302														\$1,302	\$8,519	
Optional Bidding Mandatory Curtailment (DBMC)	(\$6)	\$6	\$0														\$0	(\$0)	
Rotating Outages (RO)	\$6	\$108	\$1														\$1	\$114	
Scheduled Load Reduction Program (SLRP)	(\$7)	\$1	\$0														\$0	(\$6)	
Category 1 Total	\$18,243	\$218	\$1,307	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,307	\$19,766	
Category 2 : Price Responsive Programs																			
A/C Cycling / Summer Discount Plan (SDP)	\$204,019	\$9,706	\$199															\$199	\$213,924
Capacity Bidding Program (CBP)	\$963	\$63	\$1															\$1	\$427
Demand Bidding Program (DBP)	\$1,257	(\$101)	\$3															\$3	\$1,160
Low Power Day (LPD)/PTR	\$237,450	\$5,785	\$11															\$11	\$243,245
Category 2 Total	\$443,689	\$15,453	\$214	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$214	\$458,790	
Category 3 : DR Provider/Aggregated Managed Programs ⁽³⁾⁽⁴⁾																			
AMF Contracts/DR Contracts (AMF)	\$14	(\$8,718)	\$0															\$0	(\$8,704)
Category 3 Total	\$14	(\$8,718)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$8,704)	
Category 4 : Emerging & Enabling Technologies																			
Auto DR / Technology Incentives (AutoDR-TI)	(\$409,410)	\$148,457	\$48,139															\$48,139	(\$210,813)
Emerging Markets & Technologies	\$2,325,254	\$663,004	(\$7,413)															(\$7,413)	\$2,885,846
Category 4 Total	\$1,915,844	\$714,641	\$40,726	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,726	\$2,875,033
Category 5 : Pilots																			
Clean Generation Pilot Program	\$376,622	\$409,828	\$0															\$0	\$786,449
Category 5 Total	\$376,622	\$409,828	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$786,449
Category 6 : Evaluation, Measurement and Verification																			
DR Research Studies (CPUC)	\$63,370	\$200,000	\$0															\$0	\$263,370
Measurement and Evaluation	\$496,350	(\$16,000)	\$14															\$14	\$480,365
Category 6 Total	\$559,721	\$183,999	\$14	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14	\$743,735	
Category 7 : Marketing, Education & Outreach ⁽⁵⁾																			
Other Local Marketing	(\$15,569)	(\$463)	\$0															\$0	(\$16,032)
Category 7 Total	(\$15,569)	(\$463)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$16,032)
Category 8 : DR System Support Activities																			
DR Systems & Technology (S&T)	\$6,637	(\$1,189)	\$40															\$40	\$5,488
DR Rule 24	\$727,391	(\$57,634)	\$22,361															\$22,361	\$692,119
Category 8 Total	\$734,028	(\$58,823)	\$22,401	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,401	\$697,608	
Category 9 : Integrated Programs and Activities (Including Technical Assistance)																			
Commercial New Construction	(\$25,725)	(\$10)	\$0															\$0	(\$25,736)
DR Energy Leadership Partnership (ELP)	\$128	(\$76)	\$3															\$3	\$55
DR Institutional Partnership	\$143	(\$59)	\$2															\$2	\$87
DR Technology Resource Incubator Program (TRIO)	(\$169)	(\$21)	\$1															\$1	(\$190)
IDSM Continuous Energy Improvement	(\$70)	(\$23)	\$1															\$1	(\$92)
IDSM Food Processing Pilot	(\$6)	\$0	\$0															\$0	(\$6)
Integrated IDSM Marketing	\$916	(\$4,906)	\$10															\$10	(\$3,980)
Residential New Construction Pilot	(\$39)	(\$13)	\$0															\$0	(\$51)
Statewide IDSM	(\$11,243)	\$0	\$0															\$0	(\$11,243)
Technical Assistance (TA)	(\$1,104)	\$555	\$4															\$4	(\$544)
Third Party Programs	(\$1,304)	\$918	\$7															\$7	(\$379)
Workforce Education & Training Smart Students (SmartStudents)	(\$533)	\$3	\$3															\$3	(\$534)
Category 9 Total	(\$1,919,051)	(\$3,431)	\$32	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32	(\$1,922,020)	
Category 10 : Special Projects																			
Incremental Load Shift (ILS)	\$1,864,229	\$491,224	\$624															\$624	\$1,876,077
Category 10 Total	\$1,864,229	\$491,224	\$624	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$624	\$1,876,077	
Programs Support Costs	\$0	(\$31)	\$0															\$0	(\$31)
Total Incremental Cost	\$5,276,195	\$1,712,515	\$70,319	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$70,319	\$7,059,030	

Auto DR Technology Incentives (AutoDR TI) commitments outstanding as of 1/31/2020	\$	23,645
Permanent Load Shift (PLS) Commitments outstanding as of 1/31/2020	\$	1,756,125

Notes:
(1) Carryover program costs, for funding cycles prior to 2018, are reported here and are recorded in SCE's Demand Response Program Balancing Account (DRPBA), unless otherwise noted. SCE seeks Commission authorization to carryover program costs in its ERRA proceeding.
(2) Negative expenses in January are a result of reversed accrual entries or corrections.
(3) Category 3 expenses are recorded to BRBA and/or PAACBA.
(4) Statewide M&O and Demand Response Auction Mechanism (DRAM) are funded outside of the DR Application process, 2018-2019 spend amounts were moved to the 2020 DRP Expenditures tab for ease of tracking.
(5) Expenditures exclude incentives.

Table I-3
SCE Demand Response Programs
Customer Program Incentives
2020

Southern California Edison
Annual Total Cost

Cost Item	2018 Total Incentives	2019 Total Incentives	Total Embedded Cost and Revenues ^{(1) (2)}												Year-to-Date Total	Program to Date Incentives 2018-2022		
			January	February	March	April	May	June	July	August	September	October	November	December				
Program Incentives																		
Agricultural & Pumping Interruptible (API)	\$5,669,401	\$3,337,670	\$100,656														\$100,656	\$9,107,727
Base Interruptible Program (BIP) ^{(1) (4)}	\$78,140,399	\$60,058,312	\$3,286,228														\$3,286,228	\$141,484,939
Capacity Bidding Program (CBP) ⁽¹⁾	\$461,722	\$411,583	(\$1,452)														(\$1,452)	\$871,853
Smart Energy Program (SEP)	\$1,945,546	\$1,961,007	\$19,005														\$19,005	\$3,925,558
Summer Discount Plan Program (SDP) - Commercial	\$13,012,922	\$10,439,997	(\$815)														(\$815)	\$23,452,104
Summer Discount Plan Program (SDP) - Residential	\$34,281,828	\$28,713,200	\$160,544														\$160,544	\$63,155,572
Total Cost of Incentives	\$139,533,818	\$104,921,770	\$3,264,166	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,264,166	\$241,997,794
Revenues from Excess Energy Charges ^{(4) (5)}	(\$2,658,387)	(\$2,657,888)	\$0														\$0	(\$5,316,275)

- Notes:
- (1) Amounts reported are for incentives costs that are recovered in the Demand Response Program Balancing Account (DRPBA).
 - (2) Incentives are reported in month of settlement and not necessarily based on the month in which they were earned.
 - (3) BIP represents net of incentives and Excess Energy Charges. CBP represents net of aggregator payment and penalties.
 - (4) Total for BIP includes BIP Aggregation incentives and Excess Energy Charges.
 - (5) Revenues from Excess Energy Charges, assessed for BIP participants, are for failure to reduce load when requested during curtailment events.

Table I-4
 SCE Demand Response Programs and Activities Fund Shifting
 2020

Southern California Edison

FUND SHIFTING DOCUMENTATION PER DECISION 12-04-045 ORDERING PARAGRAPHS 4 AND 6.

- OP 4: The utilities may not shift funds between budget categories with two exceptions as stated in OP 4 and 5;
 The utilities may shift up to 50% of a program's funds to another program within the same budget category;
 The utilities shall not shift funds within the "Pilots" (Category 5) or "Special Projects" (Category 11) budget categories without a Tier 2 Advice Letter;
 The utilities may shift funds for pilots in the Enabling or Emerging Technologies category;
 The utilities shall not eliminate a program through multiple fund shifting;
 The utilities shall submit a Tier 2 Advice Letter before shifting more than 50% of a program's budget to a different program within the same budget category;
 The utilities shall document the amount of and reason for each shift in their monthly demand response reports.
- OP 6: The utilities may shift funds in Category 4 (Enabling & Emerging Technologies) into the Permanent Load Shifting program with a Tier 2 Advice Letter.

Program Category	Fund Shift	Programs Impacted	Date	Rationale for Fundshift
Total	\$0			

Notes:

Table I-5
SCE Demand Response Programs and Activities
2020 Customer Communication, Marketing and Outreach

Southern California Edison
Year-to-Date Marketing Expenditures

	2018-2022 Funding Cycle Customer Communication, Marketing, and Outreach												Year-to-Date 2020 Expenditures	2020 Authorized Budget (if Applicable)	Percent Funding		
	January	February	March	April	May	June	July	August	September	October	November	December					
I. STATEWIDE MARKETING																	
IOU Administrative Costs															\$2,480	\$49,792	5%
Statewide M&EO contract															\$48,583	\$1,609,932	3%
II. TOTAL STATEWIDE MARKETING															\$51,064	\$1,659,724	8%
II. UTILITY MARKETING BY ACTIVITY ⁽¹⁾																	
TOTAL AUTHORIZED UTILITY MARKETING BUDGET																	
PROGRAMS, RATES & ACTIVITIES WHICH DO NOT REQUIRE ITEMIZED ACCOUNTING																	
Category 1: Supply-Side Demand Response Programs																	
Agricultural & Pumping Interruptible (API)		\$0													\$0		0%
Base Interruptible Program (BIP)		\$0													\$0		0%
Capacity Bidding Program (CBP)		\$0													\$0		0%
Smart Energy Program (SEP)		\$0													\$0		0%
Summer Discount Plan Program (SDP)		\$0													\$0		0%
Category 2: Load-Modifying Demand Response Programs																	
Optional Binding Mandatory Curtailment (OBMC)		\$0													\$0		0%
Rotating Outages		\$0													\$0		0%
Scheduled Load Reduction Program (SLRP)		\$0													\$0		0%
Category 3: Demand Response Auction Mechanism (DRAM) and Direct Participation Electric Rule 24																	
Demand Response Auction Mechanism (DRAM)		\$0													\$0		0%
Category 4: Emerging Markets & Technology																	
Emerging Markets and Technology		\$0													\$0		0%
Technology Incentive Program (Auto-DR-TI)		\$0													\$0		0%
Category 5: Pilots																	
Charge Ready Pilot		\$0													\$0		0%
Category 6: Marketing, Education, and Outreach (M&EO)																	
Other Local Marketing ⁽²⁾		\$0													\$0		0%
Category 7: Portfolio Support (Includes EM&V, System Support, and Notifications)																	
DR Potential Study		\$0													\$0		0%
DR Systems & Technology Support		\$0													\$0		0%
Evaluation, Measurement & Verification (EM&V)		\$0													\$0		0%
Category 8: Integrated Programs and Activities																	
IDSM Non Residential		(\$54,868)													(\$54,868)	\$446,582	-12%
IDSM Residential		\$853													\$853	\$53,419	2%
SUBTOTAL		(\$54,016)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$54,016)	\$500,001	-11%
PROGRAMS & RATES WHICH REQUIRE ITEMIZED ACCOUNTING																	
Agricultural & Pumping Interruptible (API)																	
Customer Research		\$0													\$0	\$1,299	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)		\$0													\$0		
Labor		\$0													\$0		
Paid Media		\$0													\$0		
Other Costs		\$0													\$0		
Base Interruptible Program (BIP)																	
Customer Research		\$0													\$0	\$1,299	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)		\$0													\$0		
Labor		\$0													\$0		
Paid Media		\$0													\$0		
Other Costs		\$0													\$0		
Charge Ready Pilot																	
Customer Research		\$0													\$0	\$0	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)		\$0													\$0		
Labor		\$0													\$0		
Paid Media		\$0													\$0		
Other Costs		\$0													\$0		
Scheduled Load Reduction Program (SLRP)																	
Customer Research		\$0													\$0	\$1,875	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)		\$0													\$0		
Labor		\$0													\$0		
Paid Media		\$0													\$0		
Other Costs		\$0													\$0		

Table I-5
SCE Demand Response Programs and Activities
2020 Customer Communication, Marketing and Outreach

Southern California Edison
Year-to-Date Marketing Expenditures

	2018-2022 Funding Cycle Customer Communication, Marketing, and Outreach												Year-to-Date 2020 Expenditures	2020 Authorized Budget (if Applicable)	Percent Funding
	January	February	March	April	May	June	July	August	September	October	November	December			
Smart Energy Program (SEP)														\$530,450	
Customer Research	\$0													\$0	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$1,293													\$1,293	
Labor	\$1,913													\$1,913	
Paid Media	\$0													\$0	
Other Costs	\$7													\$7	
Summer Discount Plan Program (SDP)														\$2,293,000	
Customer Research	\$0													\$0	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$149													\$149	
Labor	\$3,987													\$3,987	
Paid Media	\$0													\$0	
Other Costs	\$0													\$0	
Technology Incentive Program (AutoDR-TI)														\$10,000	
Customer Research	\$0													\$0	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$0													\$0	
Labor	\$0													\$0	
Paid Media	\$0													\$0	
Other Costs	\$0													\$0	
Third Party														\$0	
Customer Research	\$0													\$0	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$0													\$0	
Labor	\$0													\$0	
Paid Media	\$3,270													\$3,270	
Other Costs	\$17													\$17	
II. TOTAL UTILITY MARKETING BY ACTIVITY	(\$43,381)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$43,381)	\$3,337,923
III. UTILITY MARKETING BY ITEMIZED COST															
Customer Research	\$0													\$0	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$1,441													\$1,441	
Labor	\$5,899													\$5,899	
Paid Media	\$3,270													\$3,270	
Other Costs	\$24													\$24	
Total from Program, Rates & Activities that do not require itemized accounting	(\$54,016)													(\$54,016)	
III. TOTAL UTILITY MARKETING BY ITEMIZED COST	(\$43,381)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$43,381)	\$3,337,923
IV. UTILITY MARKETING BY CUSTOMER SEGMENT ⁽¹⁾															
Agricultural / Pumping	(\$549)													(\$549)	
Large Commercial and Industrial	(\$40,608)													(\$40,608)	
Small and Medium Commercial	(\$10,425)													(\$10,425)	
Residential	\$8,200													\$8,200	
IV. TOTAL UTILITY MARKETING BY CUSTOMER SEGMENT	(\$43,381)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$43,381)	\$3,337,923

Notes:
(1) Utility Marketing includes all activities to market individual utility programs or rates, demand response concepts, and customer tools, that were approved or directed by Decision 12-04-045, 14-05-025 and 17-12-003 whether or not the marketing budget was approved as a line item in the Decision. For example, PG&E should not include marketing for TOU and PDP because funding was authorized in another proceeding. However, PG&E must document all amounts spent on marketing individual demand response programs such as Peak Choice even though a specific marketing budget was not approved for the program. This example applies to all of the utilities. The programs and activities listed in item II of the template are meant as examples, and may not be exhaustive. However, the utilities must include all programs or rates that meet this description. The totals for items II, III and IV should be equal.
(2) Other Local Marketing is part of Itemized Accounting in section: II
(3) Cost split by customer segment is estimated.
(4) Integrated Programs and Activities section was updated to align with the funding approved SCE's EE Rolling Portfolio Business Plan for 2018-2025 in D.18-05-041 and resulted in the consolidation of 11 activities into 2.

**Table I-6
SCE Interruptible and Price Responsive Programs
2020 Event Summary**

Southern California Edison

Year-to-Date Event Summary

Program Category	Program	Event No.	Date	Event Trigger ⁽¹⁾	Load Reduction MW ⁽²⁾ (3)	Load Reduction Based Upon ⁽²⁾ (3)	Area Called	Event Beginning Time ⁽⁴⁾	Event End Time ⁽⁴⁾	Program Total Hours (Annual) ⁽⁵⁾
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- Notes:**
- (1) Emergency programs' load reductions are normally requested by the ISO. The ISO does not call for load reductions by program. OBMC is activated by SCE concurrent with the ISO's request for firm load curtailment (rotating outages) to the minimum % level required to meet the ISO's firm load curtailment request. Other programs are triggered according to the terms of the tariff associated with the program.
 - (2) Preliminary event data subject to change based on billing records and verification.
 - BP: Estimates based upon load impacts bid into CAISO daily market.
 - SDP: Estimates based on ac tonnage, cycling strategy and load diversity at time of event. Based on the CPUC Program Results report. Load impact-weather relationship is provided by the 2017 SDP Load Impact Evaluation study.
 - AP-I: Estimates based upon load impacts bid into CAISO daily market.
 - CPP: The monthly ex ante average load impact per customer, reported in the annual April 1 Compliance Filing, D. 08-04-050, multiplied by the number of currently enrolled service accounts for the reporting month.
 - The ex ante average load impact is the average hourly load impact for an event that would occur from 4-9pm on the system peak day of the month are used.
 - CBP: Reported to SCE in aggregate by portfolio and by product nominations by APX.
 - SEP: Estimates based on number of customers in effected area and load-impact-weather relationship provided by the 2018 SEP Load Impact Evaluation study.
 - (3) Final event data for customer's load reduction (MW) is measured as follows:
 - BP: The maximum hourly load reduction compared to 10 day rolling average, measured over the duration of the entire event day. 10 in 10 baseline is used and calculated for each 15 minute interval.
 - SDP: Estimated based on ac tonnage, cycling strategy and load diversity at time of event. Based on the CPUC Program Results report. Load impact-weather relationship is provided by the 2017 SDP Load Impact Evaluation study.
 - AP-I: The maximum hourly load reduction compared to 10 day rolling average, measured over the duration of the entire event day. 10 in 10 baseline is used and calculated for each 15 minute interval.
 - CPP: The monthly ex ante average load impact per customer, reported in the annual April 1 Compliance Filing, D. 08-04-050, multiplied by the number of currently enrolled service accounts for the reporting month.
 - The ex ante average load impact is the average hourly load impact for an event that would occur from 4-9pm on the system peak day of the month are used.
 - CBP: Aggregated load reduction using billing data and the settlement baselines and calculations in accordance with the CBP tariff.
 - SEP: Estimates based on number of customers in effected area and load-impact-weather relationship provided by the 2018 SEP Load Impact Evaluation study.
 - (4) Event times are based on CAISO award start and end times or SCE determined start and end times.
 - (5) Hours listed represent the number of hours for the event by individual SLAPs.

Table I-7
SCE Aliso Canyon Demand Response Programs and Activities
Monthly Program Enrollment and Estimated Load Impacts⁽¹⁾
2020

Southern California Edison
Monthly Program Enrollment and Estimated Load Impacts

Customer Type	Programs for LA Basin Service Accounts ⁽²⁾	January			February			March			April			May			June		
		Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾
	Supply-Side Demand Response Programs																		
Non-Residential	Agricultural & Pumping Interruptible (API)	0	0.0	0.0															
Non-Residential	Base Interruptible Program (BIP) 15 Minute Option	0	0.0	0.0															
Non-Residential	Base Interruptible Program (BIP) 30 Minute Option	0	0.0	0.0															
Residential	Save Power Days (SPD) ⁽⁶⁾	977	0.5	0.8															
Residential	Summer Discount Plan Program (SDP) - Residential	0	0.0	0.0															
Non-Residential	Summer Discount Plan Program (SDP) - Commercial	0	0.0	0.0															
	Total All Programs (LA Basin)	977	0.5	0.8	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0

Customer Type	Programs for Non-LA Basin Service Accounts ⁽²⁾	January			February			March			April			May			June		
		Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾
	Supply-Side Demand Response Programs																		
Non-Residential	Agricultural & Pumping Interruptible (API)	0	0.0	0.0															
Non-Residential	Base Interruptible Program (BIP) 15 Minute Option	0	0.0	0.0															
Non-Residential	Base Interruptible Program (BIP) 30 Minute Option	0	0.0	0.0															
Residential	Save Power Days (SPD) ⁽⁶⁾	130	0.1	0.1															
Residential	Summer Discount Plan Program (SDP) - Residential	0	0.0	0.0															
Non-Residential	Summer Discount Plan Program (SDP) - Commercial	0	0.0	0.0															
	Total All Programs (Non-LA Basin)	130	0.1	0.1	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
	Total All Programs LA Basin and Non-LA Basin	1,107	0.6	0.9	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0

Customer Type	Programs for LA Basin Service Accounts ⁽²⁾	July			August			September			October			November			December		
		Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾
	Supply-Side Demand Response Programs																		
Non-Residential	Agricultural Pumping Interruptible (API)																		
Non-Residential	Base Interruptible Program (BIP) 15 Minute Option																		
Non-Residential	Base Interruptible Program (BIP) 30 Minute Option																		
Residential	Save Power Days (SPD) ⁽⁶⁾																		
Residential	Summer Discount Plan Program (SDP) - Residential																		
Non-Residential	Summer Discount Plan Program (SDP) - Commercial																		
	Total All Programs (LA Basin)	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0

Customer Type	Programs for Non-LA Basin Service Accounts ⁽²⁾	July			August			September			October			November			December		
		Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾	Service Accounts ⁽³⁾	Ex Ante Estimated MW ⁽⁴⁾	Ex Post Estimated MW ⁽⁵⁾
	Supply-Side Demand Response Programs																		
Non-Residential	Agricultural Pumping Interruptible (API)																		
Non-Residential	Base Interruptible Program (BIP) 15 Minute Option																		
Non-Residential	Base Interruptible Program (BIP) 30 Minute Option																		
Residential	Save Power Days (SPD) ⁽⁶⁾																		
Residential	Summer Discount Plan Program (SDP) - Residential																		
Non-Residential	Summer Discount Plan Program (SDP) - Commercial																		
	Total All Programs (Non-LA Basin)	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
	Total All Programs LA Basin and Non-LA Basin	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0

Notes:

(1) Readers should exercise caution in interpreting or using the estimated MW values found in this report in either the ex post or ex ante columns. Ex post estimates reflects historic event(s) that have taken place during specific time periods and actual weather conditions by a mix of customers that participated on event day(s). Ex ante forecasts account for variables not included in the ex post estimates such as normalized weather conditions, expected customer mix during events, expected time of day which events occur, expected days of the week which events occur, and other lesser effects etc. An ex ante forecast reflects forecast impact estimates that would occur between 1 pm and 6pm during a specific DR program's operating season, based on 1-in-2 (normal) weather conditions. The ex ante and ex post load impacts presented in this report are based on the IOU's annual April 1st Compliance Filings pursuant to Decision D.08-04-050. SCE provides reports to various other agencies (CAISO, FERC, NERC, etc.) which may differ from the load impact estimates in this report but are still based on the June 1st Compliance Filing. The differences are attributed to the use of average values over specific load impact hours and other factors.

(2) As of this reporting period, SCE has reached the cap and is implementing a waitlist process for enrollment in reliability programs.

(3) The number of Service Accounts listed above only take into account incremental increases as a result of SCE's Aliso Canyon efforts as of April 1, 2016. Any attrition due to customer disenrollment from a program is excluded.

(4) Ex Ante Estimated MW = The August monthly ex ante average load impact per customer, reported in the annual April 1, 2016 D. 08-04-050 Compliance Filing, multiplied by the number of newly enrolled service accounts for the month of August. The ex ante average load impact is the average hourly load impact for an event that would occur from 1-6pm on the system peak day of the month. Monthly ex ante estimates are indicated only for programs which can be called for events that reporting month. For programs that are not available that month or do not have a positive load impact, a value of zero is reported.

(5) Ex Post Estimated MW = The annual ex post average load impact per customer, reported in the annual April 1, 2017 D.08-04-050 Compliance Filing, multiplied by the number of currently enrolled service accounts for the month of August. The annual ex post average load impact is the average hourly load impact per customer for those customers that may have participated in an event(s) between 1-6pm on event days in the preceding year when or if events occurred.

(6) SPD Service Accounts included are only for DLC, which have a 0.52 kW impact per service account customer for Ex-Ante and 0.78 kW impact per service account customer for Ex-Post.

Table L-7A
SCE Aliso Canyon Demand Response Programs and Activities
Expenditures and Funding
2020

Southern California Edison
Year-to-Date Program Expenditures

Cost Item	2016-2019 Total Expenditures	2020 Expenditures ⁽¹⁾												2020 Total Expenditures	Program-to-Date 2016-2020 Total Expenditures	
		January	February	March	April	May	June	July	August	September	October	November	December			
Category 1 : Reliability Programs																
Agricultural Pumping Interruptible (API)	\$19,284	\$0													\$0	\$19,284
Base Interruptible Program (BIP)	\$229	\$0													\$0	\$229
Category 1 Total	\$19,514	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,514
Category 2 : Price Responsive Programs																
AC Cycling : Summer Discount Plan (SDP)	\$3,250,318	\$0													\$0	\$3,250,318
Demand Bidding Program (DBP)	\$39,513	\$0													\$0	\$39,513
Save Power Day (SPD)/PTR	\$4,143,091	\$0													\$0	\$4,143,091
Category 2 Total	\$7,426,921	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,426,921
Category 7 : Marketing, Education & Outreach																
Agricultural Pumping Interruptible (API)	\$0	\$0													\$0	\$0
Base Interruptible Program (BIP)	\$67	\$0													\$0	\$67
AC Cycling : Summer Discount Plan (SDP) ⁽²⁾	\$1,145,723	\$0													\$0	\$1,145,723
Demand Bidding Program (DBP)	\$0	\$0													\$0	\$0
Save Power Day (SPD)/PTR	\$704,327	\$0													\$0	\$704,327
Demand Response Auction Mechanism (DRAM)	\$0	\$0													\$0	\$0
Category 7 Total	\$1,850,118	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,850,118
Total Aliso Canyon Related Cost	\$9,296,553	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,296,553

Notes:
(1) Per D. 18-06-029, program costs reported here are recorded in SCE's Aliso Canyon Demand Response Program Balancing Account (ACDRPBA), unless otherwise noted.
(2) Marketing and outreach efforts for SDP are prioritized to the U. Basin local capacity area.
(3) Negative values reflect credits for accrual reversals, co-funding reimbursements, and/or accounting corrections.