



# Electric Company ESG/Sustainability Quantitative Information

Parent Company:  
 Operating Company(s):  
 Business Type(s):  
 State(s) of Operation:  
 State(s) with RPS Programs:  
 Regulatory Environment:  
 Report Date:  
 Notes:

Edison International  
 Southern California Edison, Edison Energy\*  
 Electric utility  
 California  
 California  
 Regulated  
 10/30/2020

Portfolio and emission data in this template is the final version for the 2019 data year and varies slightly from the 2019 estimated data included in the 2019 Edison Sustainability Report.

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Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2005	Last Year 2018	Current Year 2019	Comments, Links, Additional Information, and Notes
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## Portfolio

<b>1</b>	<b>Owned Nameplate Generation Capacity at end of year (MW)</b>	<b>5,434</b>	<b>3,284</b>	<b>3,251</b>	
1.1	Coal	1,573	0	0	
1.2	Natural Gas	484	1,321	1,287	
1.3	Nuclear	2,215	669	669	
1.4	Petroleum	9	11	12.7	
<b>1.5</b>	<b>Total Renewable Energy Resources</b>	<b>1,153</b>	<b>1,245</b>	<b>1,235</b>	
1.5.1	Biomass/Biogas	0	0	0	
1.5.2	Geothermal	0	0	0	
1.5.3	Hydroelectric	1,153	1,177	1,175	
1.5.4	Solar	0	68	60	
1.5.5	Wind	0	0	0	
1.6	Other	0	38	48	

**2018 and 2019 Source:** 10-K filing and Financial & Statistical Report for each data year shown  
**2005 Source:** Financial & Statistical Report  
**Notes for data year 2018:**  
 - SCE's Pebble Beach Generating Station includes 11 MW of diesel generators and liquid petroleum gas micro-turbines and 1 MW of battery storage. The diesel and liquid petroleum gas components are reflected in the "petroleum" category and the battery storage is reflected in the "Other" category."  
 - Other" includes energy storage projects. An additional 20 MW of energy storage capacity to support peaker plants is not reflected.  
 - 2 MW of fuel cell capacity is included in the "natural gas" category.  
**Notes for data year 2019:**  
 - Natural Gas includes the CCGT, Peakers and Fuel Cell line items from the Financial & Statistical Supplement  
 - Other includes stand alone batteries and peaker batteries

## Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options

<b>2</b>	<b>Net Generation for the data year (MWh)</b>	<b>78,772,000</b>	<b>78,445,000</b>	<b>60,187,000</b>	
2.1	Coal	11,237,000	0	0	
2.2	Natural Gas	26,089,000	14,025,000	12,158,000	
2.3	Nuclear	17,886,000	4,913,000	5,043,000	
2.4	Petroleum	31,000	29,000	30,000	
2.5	Total Renewable Energy Resources	<b>17,474,000</b>	<b>29,252,000</b>	<b>28,623,000</b>	
2.5.1	Biomass/Biogas	1,371,000	725,000	550,000	
2.5.2	Geothermal	7,855,000	5,735,000	3,957,000	
2.5.3	Hydroelectric	5,409,000	3,579,000	4,460,000	
2.5.4	Solar	610,000	9,550,000	10,231,000	
2.5.5	Wind	2,229,000	9,663,000	9,426,000	
2.6	Other	6,055,000	30,226,000	18,710,000	

**Notes:** See sources for owned and purchased generation in sections 2.i and 2.ii. This is a summation of those categories.

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<b>2.i</b>	<b>Owned Net Generation for the data year (MWh)</b>	<b>34,570,000</b>	<b>10,615,000</b>	<b>8,163,000</b>	
2.1.i	Coal	11,237,000	0	0	
2.2.i	Natural Gas	327,000	2,081,000	3,090,000	
2.3.i	Nuclear	17,886,000	4,913,000	5,043,000	
2.4.i	Petroleum	31,000	29,000	30,000	
2.5.i	Total Renewable Energy Resources	<b>5,089,000</b>	<b>3,592,000</b>	<b>4,377,000</b>	
2.5.1.i	Biomass/Biogas	0	0	0	
2.5.2.i	Geothermal	0	0	0	
2.5.3.i	Hydroelectric	5,089,000	3,504,000	4,308,000	
2.5.4.i	Solar	0	88,000	69,000	
2.5.5.i	Wind	0	0	0	
2.6.i	Other	0	0	0	
<b>2.ii</b>	<b>Purchased Net Generation for the data year (MWh)</b>	<b>44,202,000</b>	<b>67,830,000</b>	<b>52,024,000</b>	
2.1.ii	Coal	0	0	0	
2.2.ii	Natural Gas	25,762,000	11,944,000	9,068,000	
2.3.ii	Nuclear	0	0	0	
2.4.ii	Petroleum	0	0	0	
2.5.ii	Total Renewable Energy Resources	<b>12,385,000</b>	<b>25,660,000</b>	<b>24,246,000</b>	
2.5.1.ii	Biomass/Biogas	1,371,000	725,000	550,000	
2.5.2.ii	Geothermal	7,855,000	5,735,000	3,957,000	
2.5.3.ii	Hydroelectric	320,000	75,000	152,000	
2.5.4.ii	Solar	610,000	9,462,000	10,162,000	
2.5.5.ii	Wind	2,229,000	9,663,000	9,426,000	

**Source:** Financial and Statistical Reports for each data year shown.  
**Notes:**  
 - Converted millions of kWh to MWh by multiplying by 1000  
 - 10,000 MWh of fuel cell generation is included in the "natural gas" category for 2018 and 11,000MWh for 2019.  
**Source:** Financial and Statistical Reports for each data year shown  
**Notes:**  
 - Converted millions of kWh to MWh by multiplying by 1000  
 - 2005 data is estimated using the following assumptions from the 2005 Financial and Statistical Report: (1) Natural Gas includes "Firm" and "Cogeneration" line items; (2) Other includes "Economy/Other" and "CDWR/ISO" line items.  
 - For data years 2018 and 2019, the "Firm," "Economy/Other," and "CDWR (ISO)" categories shown in the Financial and Statistical report have been converted to resource types using an internal analysis specific to this disclosure.



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2.6.ii	Other	6,055,000	30,226,000	18,710,000	
<b>3</b>	<b>Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters</b>				
3.1	Total Annual Capital Expenditures (nominal dollars)	\$ 1,808,000,000	\$ 4,491,000,000	\$ 4,876,000,000	Source: 10-K filings; Notes: SCE-specific, does not include accruals.
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	N/A	593,104	479,300	Source: EIA Form 861; Notes: - Savings totals include savings associated with Energy Savings Assistance (low income) and do not include savings associated with Codes & Standards, which implements programs required by code. EIA Form 861 does not consider Codes & Standards a company administered program. - EE Program data is not available for 2005.
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	N/A	\$ 269,685,649	\$ 239,597,083	Source: EIA Form 861 (aligned, but using active meter data only); Notes: Percentage derived from active meters only (total smart meters with active service accounts at year end/total meters with active service accounts at year end); EIA Form 861 data includes all meters.
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)	0.00%	99.17%	99.18%	
<b>4</b>	<b>Retail Electric Customer Count (at end of year)</b>				
4.1	Commercial	4,674,179	4,956,292	4,120,399	
4.2	Industrial	537,795	568,718	500,641	Source: EIA Form 861; Notes: Figures represent bundled customers.
4.3	Residential	37,825	29,850	26,299	
		4,098,559	4,357,724	3,593,459	

Emissions					
<b>5</b>	<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)</b>				
	<b>Note: The alternatives available below are intended to provide flexibility in reporting GHG emissions, and should be used to the extent appropriate for each company.</b>				
<b>5.1</b>	<b>Owned Generation (1) (2) (3)</b>				<b>Source for Owned Generation:</b> EPA GHG Reporting Protocol <b>Source for Purchased Power:</b> Third Party Purchases (Specified Emissions) + Unspecified Emissions (Using California Air Resources Board (CARB) Emission Factor) using generation data reported to California Energy Commission <b>Source for Non-Generation CO2e Emissions:</b> EPA GHG Reporting Protocols
5.1.1	Carbon Dioxide (CO2)				<b>Notes for Owned Generation:</b> - Emissions shown are for SCE's share of generation from facilities in which SCE had an ownership interest and that were subject to reporting under the EPA GHG Reporting Protocols. Some SCE facilities are not subject to reporting under the EPA GHG Reporting Protocols and are excluded from this calculation (e.g. facilities with emissions below the reporting threshold). - Emissions intensity is estimated by dividing emissions by total owned generation reported in Section 2.i above.
5.1.1.1	Total Owned Generation CO2 Emissions (MT)	10,205,779	820,099	1,215,180	
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.295	0.077	0.149	
5.1.2	Carbon Dioxide Equivalent (CO2e)				
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	10,324,516	820,933	1,216,416	
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.299	0.077	0.149	
<b>5.2</b>	<b>Purchased Power (4)</b>				<b>Notes for Purchased Power:</b> - Generation source data is purchased power data reported to the California Energy Commission. - The CARB emissions factor is in terms of CO2e, so estimated CO2 factor based on CO2/CO2e ratio for third party purchases. - Emissions intensity is estimated by dividing emissions by total purchased generation reported in Section 2.ii above.
5.2.1	Carbon Dioxide (CO2)				
5.2.1.1	Total Purchased Generation CO2 Emissions (MT)	18,549,781	15,784,820	9,646,559	
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.420	0.233	0.185	
5.2.2	Carbon Dioxide Equivalent (CO2e)				
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)	18,599,573	15,836,631	9,699,330	
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.421	0.233	0.186	
<b>5.3</b>	<b>Owned Generation + Purchased Power</b>				<b>Notes for Owned Generation + Purchased Power:</b> - Emissions are the sum of emissions in sections 5.1 and 5.2. - Emissions intensity is estimated by dividing emissions by the sum of the total owned and purchased net generation shown in Sections 2.i and 2.ii above.
5.3.1	Carbon Dioxide (CO2)				
5.3.1.1	Total Owned + Purchased Generation CO2 Emissions (MT)	28,755,560	16,604,920	10,861,739	
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.365	0.212	0.180	
5.3.2	Carbon Dioxide Equivalent (CO2e)				
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)	28,924,089	16,657,564	10,915,746	
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.367	0.212	0.181	
<b>5.4</b>	<b>Non-Generation CO2e Emissions</b>				<b>Notes for Non-Generation CO2e Emissions:</b> - SCE does not distribute natural gas; CO2e emissions from natural gas distribution do not apply.
5.4.1	Fugitive CO2e emissions of sulfur hexafluoride (MT) (5)	460,308	215,053	111,126	
5.4.2	Fugitive CO2e emissions from natural gas distribution (MT) (6)	Does not apply	Does not apply	Does not apply	



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6	<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>				
6.1	Generation basis for calculation (7)	Total			
6.2	<b>Nitrogen Oxide (NOx)</b>				
6.2.1	Total NOx Emissions (MT)	21,447	94	67	
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)	0.000620	0.000009	0.000008	
6.3	<b>Sulfur Dioxide (SO2)</b>				
6.3.1	Total SO2 Emissions (MT)	26,643	4	6	
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)	0.000771	0.000000	0.000001	
6.4	<b>Mercury (Hg)</b>				
6.4.1	Total Hg Emissions (kg)	326.7	0.0	0.0	
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)	0.000009	0.000000	0.000000	

Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the Emissions section notes

Resources					
7	<b>Human Resources</b>				
7.1	Total Number of Employees	14,041	12,219	12,937	<b>Source:</b> 10-K filings; <b>Note:</b> SCE only
7.2	Total Number on Board of Directors/Trustees	10	11	11	<b>Source:</b> 10-K filings; <b>Note:</b> Edison International Board statistics as of December 31st in the year listed.
7.3	Total Women on Board of Directors/Trustees	1	3	4	
7.4	Total Minorities on Board of Directors/Trustees	3	4	4	
7.5	<b>Employee Safety Metrics</b>				<b>Source:</b> Internal records; <b>Note:</b> Metrics are for SCE employees only (not contractors)
7.5.1	Recordable Incident Rate	5.80	1.98	2.34	
7.5.2	Lost-time Case Rate	2.52	0.73	0.84	
7.5.3	Days Away, Restricted, and Transfer (DART) Rate	3.39	0.98	1.17	
7.5.4	Work-related Fatalities	0	0	0	
8	<b>Fresh Water Resources</b>				
8.1	Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	N/A	0.00000113	0.00000478	<b>Source:</b> Internal records; <b>Notes:</b> - Sum of freshwater withdrawals from SCE-owned generation facilities divided by total owned generation as shown in Section 2.i above. Water withdrawal data is not available for 2005.
8.2	Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	N/A	0.00	0.00	
9	<b>Waste Products</b>				<b>Source:</b> Internal records; <b>Notes:</b> - 2019: Decrease in Federally Regulated RCRA waste generated and shipped to landfill due to less soil project work and updated sampling methodology.
9.1	Amount of Hazardous Waste Manifested for Disposal	N/A	2,318	304	<b>Source:</b> Internal records; <b>Notes:</b> - 2005 data shown is for coal combustion products beneficially used is for coal facilities in which SCE had a majority share (i.e. Mohave Power Station). - SCE did not have an ownership interest in any coal facilities in 2018 or 2019.
9.2	Percent of Coal Combustion Products Beneficially Used	58%	0%	0%	