



EDISON INTERNATIONAL 2017 SUSTAINABILITY REPORT





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46

%

CARBON-FREE IN 2017

46% of the electricity that Southern California Edison delivered to customers in 2017 came from carbon-free resources.

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CEO LETTER

At Edison International, we are leading the transformation of the electric power industry toward a clean energy future by focusing on opportunities in clean energy, efficient electrification, the grid of the future, and customer choice. As we pursue this vision, sustainability remains at the core of who we are and what we do. With roots dating back 130+ years, we know that our long-term success is based on delivering value to all of our stakeholders, and we're committed to doing well by making a positive impact and doing our part to respond to broader societal challenges, such as climate change.

In 2017, our principal subsidiary, Southern California Edison, was named Utility of the Year by *Utility Dive* and recognized for its leadership in energy storage, solar, and the use of innovative technology to modernize its aging grid. At our Edison Energy competitive business, we procured more than 400 megawatts of renewable energy for large commercial and industrial customers and supported 17 of the Fortune 100 in aligning energy investments with their strategic and sustainability goals.

2017 was also a year marked by natural disasters throughout the United States, including right here in California. Our thoughts remain with those who lost loved ones and are recovering from the impact of the devastating California wildfires. Wildfires have become larger and more frequent in California due to weather extremes caused by climate change. This poses a major threat to all Californians, to our economy, and to achieving our collective clean energy goals. We are working hard to make our operations more resilient to the threat of climate change and have engaged with state and federal officials to address this situation with urgency.

Given the impacts of climate change that we are already seeing, we believe that our electric-led clean energy strategy is more important than ever. Last October, we released a blueprint for achieving California's ambitious mandate to reduce greenhouse gas emissions 40% below 1990 levels

by 2030. Our "Clean Power and Electrification Pathway" calculates that, to achieve this reduction at the lowest cost to the California economy, we must have a robust, modern electric grid that is supplied by 80% carbon-free energy and supports aggressive electrification of vehicles and buildings. This is not just the right strategy for us — it is right for California and for our country. We underscored this commitment to fighting climate change in 2017 by signing on to the "We Are Still In" campaign in support of the Paris Climate Agreement.

Meeting the challenges and opportunities ahead is a big job, which is why one of our top priorities is to foster an innovative and forward-thinking work environment for our 12,000+ employees. Key to our success is embracing diversity and inclusion in all we do, and we are continuously striving to make sure our workforce — and our leadership — reflects that commitment.

Part of our commitment to diversity includes gender parity. We have endorsed two national initiatives focused on gender parity in compensation practices and corporate leadership. As a company, we have also made a commitment to stand united against workplace harassment. We established our own "We Stand Together" pledge, which sets the bar at zero tolerance for any form of abuse at our company.

This report is part of the ongoing dialogue we strive to maintain with our stakeholders. Please share your thoughts with us at sustainability@edisonintl.com.



Pedro J. Pizarro

Pedro J. Pizarro
PRESIDENT AND CEO, EDISON INTERNATIONAL

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COMPANY OVERVIEW

At Edison International (NYSE:EIX), our vision is to lead the transformation of the electric power industry toward a clean energy future. Through our subsidiaries, we generate and distribute electric power, as well as provide energy services and technologies, including renewable energy. Headquartered in Rosemead, California, Edison International is the parent company of Southern California Edison (SCE), one of the nation's largest electric utilities. Edison International is also the parent company of Edison Energy, an independent advisory and services company with capabilities to develop and integrate energy solutions for the largest energy users nationwide. Edison Energy is independent from SCE.

ABOUT THIS REPORT

This report reflects our sustainability strategy and 2017 sustainability performance and related metrics. It is organized around the areas that are most important to the long-term success of our business — leading the transformation of the electric power industry and operating our business with excellence by focusing on customers, communities, and employees.

This report, which is an annual snapshot in time, references specific disclosures from the Global Reporting Initiative's (GRI) Standards, as well as disclosures from the GRI Electric Utility Sector Supplement. Please see the complete [GRI index](#) and visit our [website](#) for the latest sustainability news.

We strive to be responsive to all of our stakeholders, including customers, communities, employees, investors, suppliers, and regulators and legislators, and to be transparent and straightforward when we discuss our sustainability performance. Your feedback informs our reporting. To share your thoughts and suggestions, please contact us at sustainability@edisonintl.com.



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OUR VALUES

Our values of **Safety, Integrity, Excellence, Respect, Continuous Improvement, and Teamwork** are the foundation of our work and the principles that guide everything we do. Throughout our 130+ year history, the character of our people has shaped our success and defined these values. Learn more about our commitment to upholding our values in our [Employee Code of Conduct](#).

We live

SAFETY

We conduct our business with

INTEGRITY

We pursue

EXCELLENCE

We treat everyone with

RESPECT

We strive for

**CONTINUOUS
IMPROVEMENT**

We recognize the strength of

TEAMWORK

2017 AT A GLANCE

UTILITY OF THE YEAR
by industry publication
Utility Dive

#1 UTILITY
for energy storage nationally¹

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Transition to a Clean Energy Future

46% 
**OF THE ELECTRICITY THAT SCE
DELIVERED TO CUSTOMERS CAME
FROM CARBON-FREE RESOURCES.**
No coal in owned generation or
contracts for specified resources.

**EDISON ELECTRIC INSTITUTE
EDISON AWARD** 
for installing the world's first
battery and gas turbine hybrid
system at two peaker sites


400 MW+ 
**OF OFF-SITE RENEWABLE
ENERGY PROCUREMENT**
for Edison Energy customers


WE ARE STILL IN 
Edison International joined other U.S.
businesses, universities, and state
and local leaders in signing an open
letter to the international community
demonstrating support for the 2015
Paris Climate Agreement.

Operations

50,000 
SQUARE MILES
of SCE service area across coastal,
central, and southern California


\$12.3B 
TOTAL OPERATING REVENUE


80%+ 
**OF SCE POWER GENERATION
FROM THIRD-PARTY SOURCES;**
3,200 MW of owned generation.

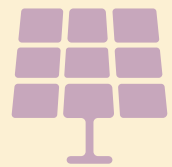
118,000 
**MILES OF DISTRIBUTION
& TRANSMISSION LINES**

Customers, Communities & Employees

12,521 
FULL-TIME EMPLOYEES
of Edison International and
consolidated subsidiaries

\$21.8M 
IN PHILANTHROPIC FUNDING
including \$1.2 million in college
scholarships to 30 Edison Scholars

5M+ 
CUSTOMER ACCOUNTS
covering SCE's service area,
which has 15 million residents

3,574 
SOLAR INSTALLATIONS
connected on average per month

¹ The Smart Electric Power Alliance ranked SCE Number 1 in energy storage in 2017 for adding more megawatts (MW) of energy storage than any other utility based on a survey of more than 400 utilities across the nation.

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MANAGING SUSTAINABILITY

Sustainability is inseparable from our vision to lead the transformation of the electric power industry toward a clean energy future. From how we manage our operations, to how we engage with our stakeholders, to how we deliver on our promise to provide safe, reliable, affordable, and clean power — we are committed to doing our work with a long-term view in mind. As a company with roots dating back to 1886, we know that our success is tied to the strength and health of the communities that make up where we live and serve. We believe that we have a responsibility to make a positive impact on society and are committed to doing our part to respond to broader societal challenges.

ENVIRONMENTAL, SOCIAL & GOVERNANCE (ESG) MATERIALITY

In order to identify the ESG topics that are fundamental to our long-term success, we recently completed an ESG materiality assessment in line with best practice. The assessment, which included internal and external stakeholder perspectives and was reviewed by the Edison International Managing Committee, identified 19 ESG topics as priorities. Many of the topics relate to our strategy and core operations, and the results will be an input into future strategic planning efforts. We recognize that the assessment reflects a single point in time and look forward to continuing engagement with our stakeholders on these issues.

OUR MATERIAL ESG ISSUES

Transition to a Clean Energy Future

Business Model	Renewable Energy & Distributed Energy Resources
Climate Change & Greenhouse Gas (GHG) Emissions	Service & Product Innovation
Grid Modernization & Innovation	Transportation Electrification
Local Air Quality	

Operations & Governance

Cyber & Physical Security	Infrastructure Reliability & Resilience
Environmental Footprint	Public Policy Engagement
Governance, Transparency & Compliance	Water Use & Management

Customers, Communities & Employees

Safety & Health	Customer Relations
Affordability & Access	Diversity & Inclusion
Community Development	Employee Engagement & Workforce Development

What is a material ESG issue?

A “material” ESG issue is one that has the potential to impact long-term sustainability, based on the perspectives of internal and external stakeholders. This is different from, but related to, financial materiality, which is a threshold for influencing the economic decisions of investors.

[Read the definitions of our material ESG issues.](#)

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ESG OVERSIGHT

Our Board of Directors oversees climate change and other ESG risks and opportunities as an integrated part of its oversight of the company's strategy. The Board's oversight includes annual in-depth strategy meetings and regular updates from management on corporate sustainability issues such as energy and environmental legislation and regulation, risks arising from climate-related activities, stakeholder engagement on climate change and other ESG concerns, and corporate goals. Oversight of specific ESG-related issues is allocated among the Board's four standing committees.

Edison International's Senior Vice President of Strategy and Corporate Development leads the development of our ESG strategy and periodically briefs the Edison International Managing Committee on ESG risks and opportunities. In 2017, we formed a Sustainability Council, which includes a cross-functional group of company leaders to provide input into our ESG strategy and related activities.

REPORTING & DISCLOSURE

In 2017, we enhanced our voluntary ESG disclosure by reporting through a pilot program developed by the Edison Electric Institute (EEI), the electric utility industry's trade association, in collaboration with investors and member companies. The goal of the pilot is to provide investors and other stakeholders with relevant, consistent, and easily accessible ESG data for electric utilities. Our report using the EEI template is available on our [website](#).¹

¹ Metrics included in the EEI template may differ from metrics included herein in order to conform to the reporting requirements of the EEI template, which is industry-standardized.

INCENTIVES FOR PERFORMANCE

Our annual incentives for performance are based on financial, strategic, and operational goals tied to key elements of our clean energy vision and core operations, including many related to our material ESG issues. The 2017 goals are summarized below; for more information, visit Edison International's and SCE's 2018 [Joint Proxy Statement](#) (pp. 34-37).

Goal Category	Weight (%)
Edison International	
Financial Performance (Core earnings goal)	60
Strategic Initiatives (Includes goals related to affordable customer rates, business and clean energy strategy, transportation electrification, Edison Energy, safety, and other initiatives)	30
People and Culture (Includes goals related to diversity, employee engagement, and work environment)	10
Foundational Goals (Includes goals related to safety, compliance, and system operations)	[Deduct only]
Southern California Edison	
Financial Performance (Core earnings goal)	40
Safety (Includes goals related to response time and injury rate)	10
Operational and Service Excellence (Includes goals related to affordable customer rates, system reliability, customer satisfaction, and other initiatives)	20
Strategic Initiatives (Includes goals related to business and clean energy strategy, transportation electrification, grid modernization, and other initiatives)	20
People and Culture (Includes goals related to diversity, employee engagement, and work environment)	10
Foundational Goals (Includes goals related to safety, compliance, and system operations)	[Deduct only]

2017 SUSTAINABILITY SCORECARD

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	2015	2016	2017
COMPANY OVERVIEW			
Net Income (millions)	\$1,020	\$1,311	\$565
Basic Earnings per Share	\$3.13	\$4.02	\$1.73
Total Operating Revenue (millions)	\$11,524	\$11,869	\$12,320
Total Assets (millions)	\$50,229	\$51,319	\$52,580
Total Annual Capital Expenditures (millions)	\$4,225	\$3,734	\$3,828
Number of Customer Accounts*	5,033,330	5,060,528	5,094,818
Number of Employees	12,777	12,390	12,521
TRANSITION TO A CLEAN ENERGY FUTURE			
Renewables Portfolio Standard: Eligible Renewables (% of delivered electricity)*	24.3%	28.3%	31.6%
CO ₂ e Emissions from Owned Electricity Rate (lbs/MWh)*	429	322	250
CO ₂ e Emissions from Delivered Electricity Rate (lbs/MWh)*	517	529	549
Scope 1 Emissions (million metric tons CO ₂ e)*	2.7	2.4	1.9
Scope 2 Emissions (million metric tons CO ₂ e)*	1.7	1.6	1.3
Scope 3 Emissions (million metric tons CO ₂ e)*	18.1	20.6	16.6
SF ₆ Emissions Rate ^{*,**}	0.4%	0.1%	1.1%
SF ₆ Emissions (million metric tons CO ₂ e) ^{*,**}	0.04	0.02	0.13
NO _x Emissions Rate of Utility-Owned Generation (lbs/MWh)*	0.1	0.1	0.1
NO _x Emissions from Power Generation (metric tons)*	179.4	157.7	153.5

Definitions

CO₂e: Carbon dioxide equivalent

MWh: Megawatt-hour

NO_x: Nitrogen oxide

Scope 1: Emissions under direct control of the company, including utility-owned generation, transportation, SF₆ from transmission and distribution equipment

Scope 2: Indirect emissions required for business processes, including transmission losses and facility energy use (electricity and natural gas)

Scope 3: Indirect emissions released as a consequence of the activities of the company including specified and unspecified power purchases

SF₆: Sulfur hexafluoride

* All metrics reflect data associated with Edison International and its consolidated subsidiaries, with the exception of metrics denoted by (*), which reflect SCE data only, and the "Community Investments" metrics related to contributions to non-profit organizations by employees and employee and retiree volunteer hours, which reflect Edison International and SCE data only.

**In 2018, SCE revised SF₆ data for prior years. The 2015 and 2016 values reflect these revised numbers.

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	2015	2016	2017
SO ₂ Emissions Rate of Utility-Owned Generation (lbs/MWh)*	0.005	0.005	0.005
SO ₂ Emissions from Power Generation (tons)*	13.9	11.8	8.9
Mercury Emissions (lbs/MWh)*	0	0	0
Customer Energy Efficiency: GWh % of CPUC Goals ^{*,**}	155%	113%	128%
Customer Energy Efficiency: MW % of CPUC Goals ^{*,**}	192%	107%	127%
Customer Energy Efficiency: MW ^{*,**}	307	286	292
Percent of Active Customer Accounts with Smart Meters*	99.08%	99.11%	99.15%
OPERATIONS & GOVERNANCE			
System Reliability: SAIFI (occurrences)*	0.86	0.99	0.87
System Reliability: SAIDI (minutes)*	100.15	109.98	91.72
System Reliability: CAIDI (minutes)*	116.56	110.69	105.40
System Reliability: CAIFI (occurrences)*	1.70	1.79	1.04
Board of Directors: Total Number of Directors	10	10	11
Board of Directors: Females as % of Directors	10%	30%	27%
Board of Directors: Diverse Background as % of Directors	30%	30%	45%
Environmental-Related Inspections with No NOV's Issued (% of total inspections)*	96%	97%	97%
Environmental-Related Settlements, Fines and Penalties*	\$600	\$3,003,218	\$21,137
Number of Air Permit Non-Compliance Events with Fine*	1	2	3
Number of Water Permit Non-Compliance Events with Fine*	0	2	1
Consumptive Water Use – Fossil Fuel Generation (million gallons)*	848	703	637
Amount of Hazardous Waste Disposed (tons) ^{*,***}	8,992	16,939	9,035
Habitat Protected, Enhanced or Restored that Supports Natural Habitat and Biodiversity as Required for Mitigation (acres)*	2,808	3,206	3,906

Definitions

CAIDI: Customer Average Interruption Duration Index

CAIFI: Customer Average Interruption Frequency Index

CPUC: California Public Utilities Commission

GWh: Gigawatt-hour

NOV: Notice of Violation

SAIDI: System Average Interruption Duration Index

SAIFI: System Average Interruption Frequency Index

SO₂: Sulfur dioxide

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** Customer Energy Efficiency for 2014, 2015, and 2016 was incorrectly provided as 1,378 MW, 1,453 MW, and 1,408 MW, respectively, in last year's Scorecard. The correct data for those years is 211 MW for 2014, 307 MW for 2015, and 286 MW for 2016.

*** Amount of Hazardous Waste disposed (in tons) was incorrectly provided in the initial publication of this report and in past reports as 8,909 tons, 16,827 tons, and 23,875 tons, respectively, for 2015, 2016, and 2017. The correct data for those years is 8,992 tons for 2015, 16,939 tons for 2016, and 9,035 tons for 2017.

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CUSTOMERS, COMMUNITIES & EMPLOYEES			
Safety: Employee OSHA Recordable Rate	2.34	1.92	2.03
Safety: Employee Lost Workday Case Rate	0.61	0.58	0.76
Safety: Employee DART Rate	0.93	0.80	0.97
Safety: Employee Fatalities	1	2	0
Safety: Contractor OSHA Recordable Rate	1.68	0.89	0.71
Safety: Contractor DART Rate	1.14	0.66	0.37
Safety: Contractor Fatalities	1	2	0
Customer Satisfaction: J.D. Power & Associates Survey Results – Electric Residential (out of possible score of 1000)*	676	682	726
Customer Satisfaction: J.D. Power & Associates Survey Results – Electric Business (out of possible score of 1000)*	678	763	759
Women as % of Workforce	32%	30%	30%
Women as % of Management	23%	23%	24%
Women as % of Executives	30%	30%	27%
Diverse Background as % of Workforce	57%	57%	57%
Diverse Background as % of Management	44%	45%	47%
Diverse Background as % of Executives	29%	31%**	29%
Supplier Diversity Spend (billions)*	\$1.83	\$1.68	\$1.72
Supplier Diversity Spend Rate*	42.9%	44.7%	43.9%
Community Investments: Pre-Tax Earnings from Operations (millions)	\$20.0	\$20.0	\$21.8
Community Investments: Contributions to Nonprofit Organizations by Employees (millions)	\$2.4	\$2.1	\$2.3
Community Investments: Employee and Retiree Volunteer Hours	168,733	143,675	134,319

Definitions

DART: Days Away, Restricted, Transferred

OSHA: Occupational Health and Safety Administration

* All metrics reflect data associated with Edison International and its consolidated subsidiaries, with the exception of metrics denoted by (*), which reflect SCE data only, and the "Community Investments" metrics related to contributions to non-profit organizations by employees and employee and retiree volunteer hours, which reflect Edison International and SCE data only.

**Diverse Background as % of Executives for 2016 was incorrectly provided as 30% in last year's Scorecard. The correct figure is 31%.

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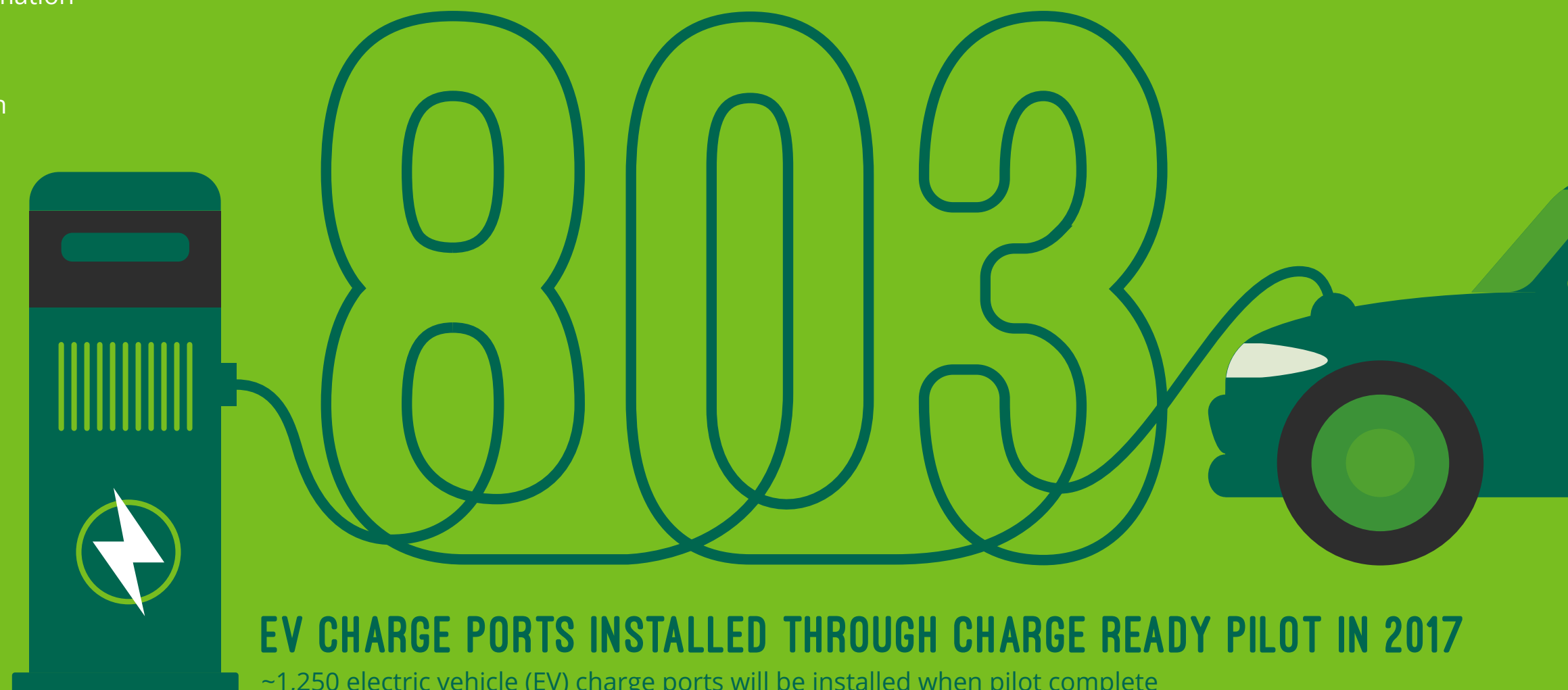
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EV CHARGE PORTS INSTALLED THROUGH CHARGE READY PILOT IN 2017

~1,250 electric vehicle (EV) charge ports will be installed when pilot complete

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LEADING THE TRANSFORMATION

Our vision is to lead the transformation of the electric power industry, focusing on **opportunities in clean energy, efficient electrification, the grid of the future, and customer choice** to strengthen and grow our business.

With 130+ years of innovation in our history, Edison International is well-positioned and prepared for the work that lies ahead.

OUR STRATEGY

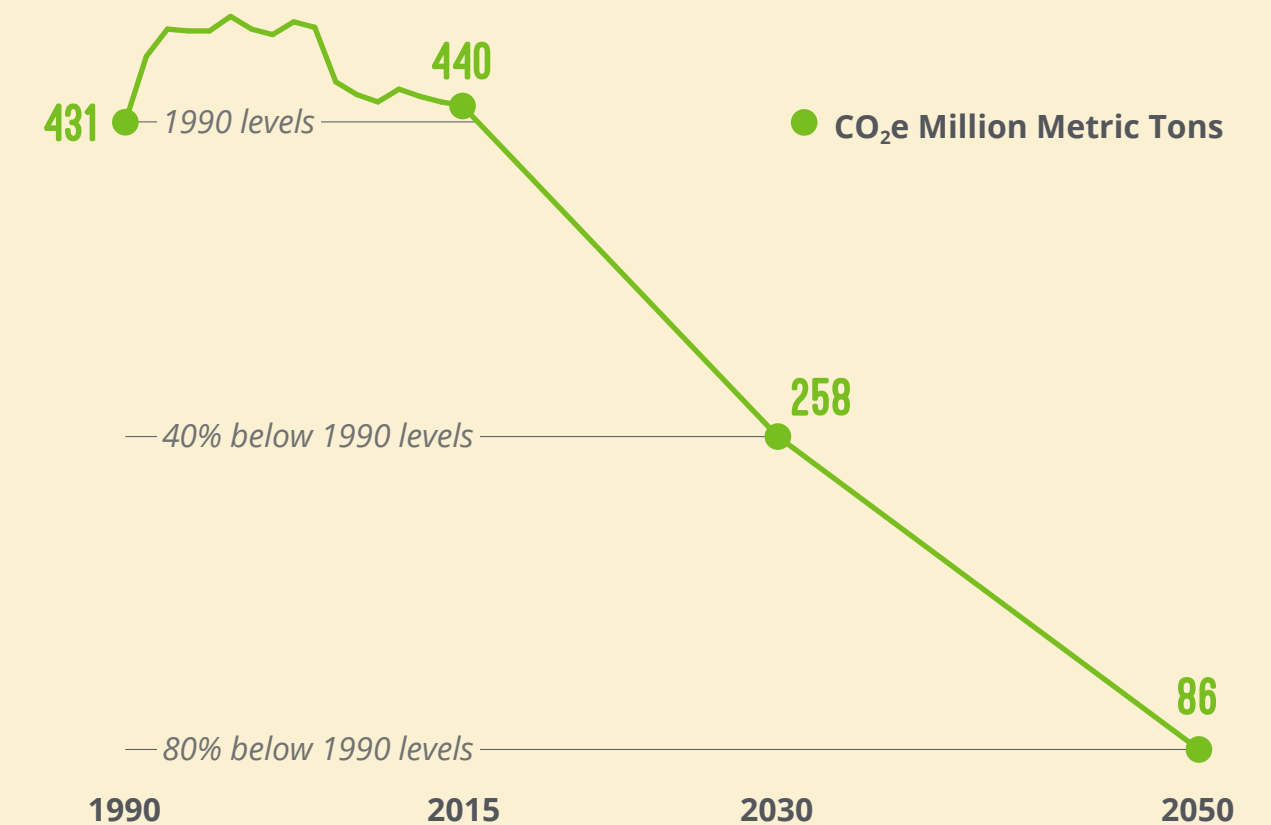
At Edison International, we are advancing our vision by growing our business toward a clean energy future, striving for best-in-class operations, and providing superior value to our customers and shareholders. Our principal subsidiary, SCE, is focused on priorities such as cleaning the power system, helping customers make cleaner energy choices, strengthening and modernizing the grid, and achieving operational and service excellence. At Edison Energy, we are helping the nation's largest energy users simultaneously reduce their energy costs, improve the environmental performance of their operations, ensure energy resiliency, and manage exposure to energy price risk.

Limiting global warming to 2 degrees Celsius

Through our clean energy-led strategy, we look to partner with California to achieve ambitious climate change and air quality goals. California's climate change goals include a 40% reduction in GHG emissions from 1990 levels by 2030 and an 80% reduction by 2050. These science-based goals are consistent with the 2015 Paris Climate Agreement to limit global

CALIFORNIA'S GHG EMISSIONS REDUCTION GOALS*

Getting to a 40% reduction in GHG emissions in a short 12 years is no small feat. For context, California has reduced GHG emissions just 9% from their peak in 2004. Meeting 2030 and 2050 GHG emissions reduction goals will require reductions at more than three times the annual rate achieved between 2004 and 2015 — equivalent to eliminating emissions from 2.6 million homes each year.



* Source: California Air Resources Board (CARB)

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warming to no more than 2 degrees Celsius over pre-industrial levels. In addition, California's air quality goals include a 90% reduction in emissions of nitrogen oxides from 2010 levels in some of the state's most polluted areas by 2032.

In June 2017, we declared that "We Are Still In," joining other U.S. businesses, universities, and state and local leaders in signing an [open letter](#) to the international community demonstrating support for the 2015 Paris Climate Agreement.

Our industry's role

The electric power sector has already made significant headway in reducing its GHG emissions, which are down 24% since 1990, and we are prepared for the work that lies ahead. We cannot do it alone, however. This shift requires a collaborative effort across the California economy.

Today, the electric power sector accounts for only 19% of California's GHG emissions. The transportation sector (including fuel refining) and fossil fuels used in space and water heating now produce almost three times as many GHG emissions as the electric sector¹ and more than 80% of the air pollution in California. With the size, scope, and infrastructure assets to deliver clean energy and support electrification for all customers, electric utilities are uniquely positioned to facilitate the transformation to a clean energy economy.

Mapping a path forward

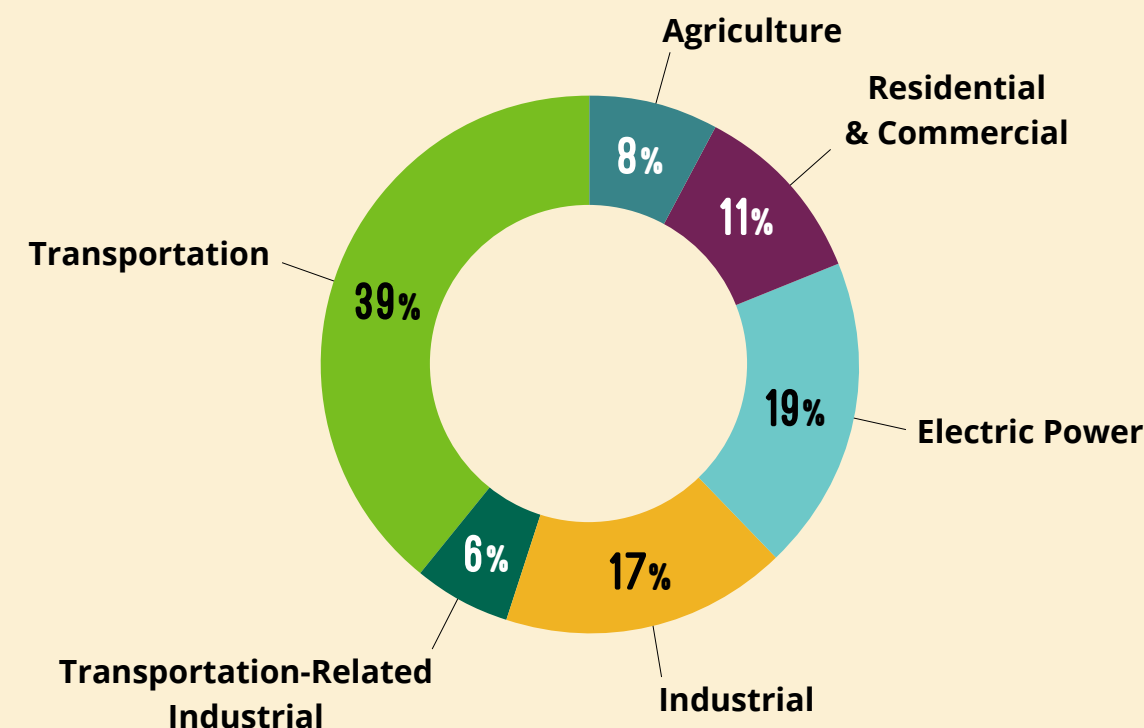
In late 2017, SCE published the "[Clean Power and Electrification Pathway: Realizing California's Environmental Goals](#)" white paper. Aligned with our vision and strategy, it outlines a path for California to meet its climate change goals and to significantly reduce today's health-harming air pollution in local communities — and especially in [disadvantaged communities](#).²

The Pathway analysis compares three different scenarios — led primarily by expanded use of renewable natural gas, hydrogen, and electricity,

¹ Approximately 82% of emissions from the residential and commercial sectors are due to space and water heating.

² "Disadvantaged communities" is a definition that the state of California uses to indicate those communities that are most heavily impacted by pollution from multiple sources and most vulnerable to its effects.

2015 CALIFORNIA GHG EMISSIONS BY SECTOR*



* Source: California Air Resources Board (CARB)

respectively — and finds the most cost-effective and feasible path to 2030 is the electricity-based path, which includes:

- Decarbonizing the electric sector through an electric grid supplied by 80% carbon-free energy;
- Electrifying the transportation sector, including having approximately 7 million light-duty and 200,000 medium- and heavy-duty electric vehicles (EVs) on California roads; and
- Electrifying buildings, using electricity to power nearly one-third of space and water heaters in increasingly energy-efficient buildings.

This integrated multi-sector approach builds upon existing California policy and has the support of many parties, including the International Brotherhood of Electrical Workers (IBEW) Local 47.

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Efforts to reduce GHG emissions are embraced by a majority of Californians, including many of our customers.

Findings from the Public Policy Institute of California's "[Statewide Survey: Californians & the Environment](#)," released in July 2017, show that "[s]trong majorities of California adults (72%) and likely voters (66%) favor the state law ... that requires the state to reduce [GHG] emissions"³

Public policy engagement

Broad decarbonization and electrification of the economy require comprehensive legislation and regulation. We partner with local, state, and national organizations and leaders to develop policies that are feasible and have the best interests of our customers in mind.

In mid-2017, California Governor Jerry Brown signed a bill into law extending California's cap-and-trade program (AB 398), as well as a companion bill to protect communities from air pollution (AB 617). We were proud to participate actively with California leaders in informing and advocating for both pieces of legislation. The laws continue one of California's key programs for reducing GHG emissions, while also protecting customers from associated costs, and set into motion a statewide strategy to reduce toxic air pollutants in highly impacted communities.

During 2017, we also engaged with stakeholders, including environmental groups, local communities, and labor, to develop and advance our clean energy and electrification strategy. The stakeholder support for SCE's plan to invest in medium- and heavy-duty EV charging infrastructure was so robust that a California Public Utilities Commission (CPUC) commissioner recognized the coalition as a model other utilities should follow. This plan



Edison International President & CEO Pedro Pizarro attending the signing ceremony for the bill that extends California's cap-and-trade program (AB 398).

and the other programs and investments that are part of our commitment to a building a clean energy future are discussed throughout this section of the report.

PROVIDING THOUGHT LEADERSHIP]

Sound public policy relies on good data and insightful analysis. We have developed data-driven strategies to build a clean energy future:

- "[The Clean Power and Electrification Pathway: Realizing California's Environmental Goals](#)" sets out a multi-sector approach to meet California's climate change and air quality goals.
- "[Transportation Electrification: Reducing Emissions, Driving Innovation](#)" outlines steps needed to electrify California's transportation sector.
- "[The Emerging Clean Energy Economy: Customer-Driven. Modernized. Reliable.](#)" makes the case for grid modernization.

³ See p. 3.

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CLEAN ENERGY

One of the key focus areas of our strategy is clean energy — and we believe that a clean energy future starts with clean electricity. That's why we're charting a path toward an 80% carbon-free electricity supply supported by energy storage and investing in a modern grid equipped to deliver higher levels of intermittent renewable resources, such as wind and solar. We're also helping the largest energy users nationwide meet their renewable energy goals.

In 2017, 46% of electricity that SCE delivered to customers came from carbon-free resources,⁴ more than halfway to the 80% we estimate is needed by 2030 to meet California's climate change goals. This included 32% from eligible renewable resources, which help to meet California's Renewables Portfolio Standard requirements.⁵ In 2017, SCE power producers emitted only about half of the GHG per unit of electricity provided to customers compared to the estimated U.S. average (see chart). SCE was also a leader in solar, adding 547.1 MW to the grid in 2017.⁶

⁴ This does not include rooftop solar, which we estimate provided an additional 4% carbon-free energy reducing SCE's energy requirement.

⁵ Eligible renewable resources are defined by statute and the California Energy Commission. Retail sellers of electricity in California, including investor-owned utilities, electricity service providers, and community choice aggregators, and publicly owned utilities are required to serve 33% of their load with eligible renewables by 2020 and 50% by 2030.

⁶ In 2017, SCE ranked second in the nation in terms of MW of solar added compared to more than 400 utilities that participated in the [Smart Electric Power Alliance's](#) 11th Annual Utility Market Survey. SCE has placed among the top 10 utilities for solar every year since the alliance began publishing its solar rankings in 2007.

AVERAGE GHG EMISSIONS PER UNIT OF ELECTRICITY PROVIDED

Metric tons of carbon dioxide equivalent (CO₂e) per megawatt-hour (MWh)

**Environmental Protection
Agency's U.S. estimate**

0.45

SCE portfolio estimate
(utility-owned generation and
purchased power)

0.25

SCE plans to submit an integrated resource plan (IRP) to the CPUC in 2018, reflecting its vision for the best path forward to decarbonize California. SCE's IRP will include multiple measures to provide a cleaner energy supply, including increasing the procurement of eligible renewables and other carbon-free resources.

At Edison Energy, we procured more than 400 MW of offsite renewable energy for some of the nation's largest energy users in 2017. In corporate renewable energy purchasing alone, Edison Energy has advised customers on more than 2.1 GW of wind and solar transactions in total through 2017.

SCE'S 2017 ENERGY MIX TO CUSTOMERS

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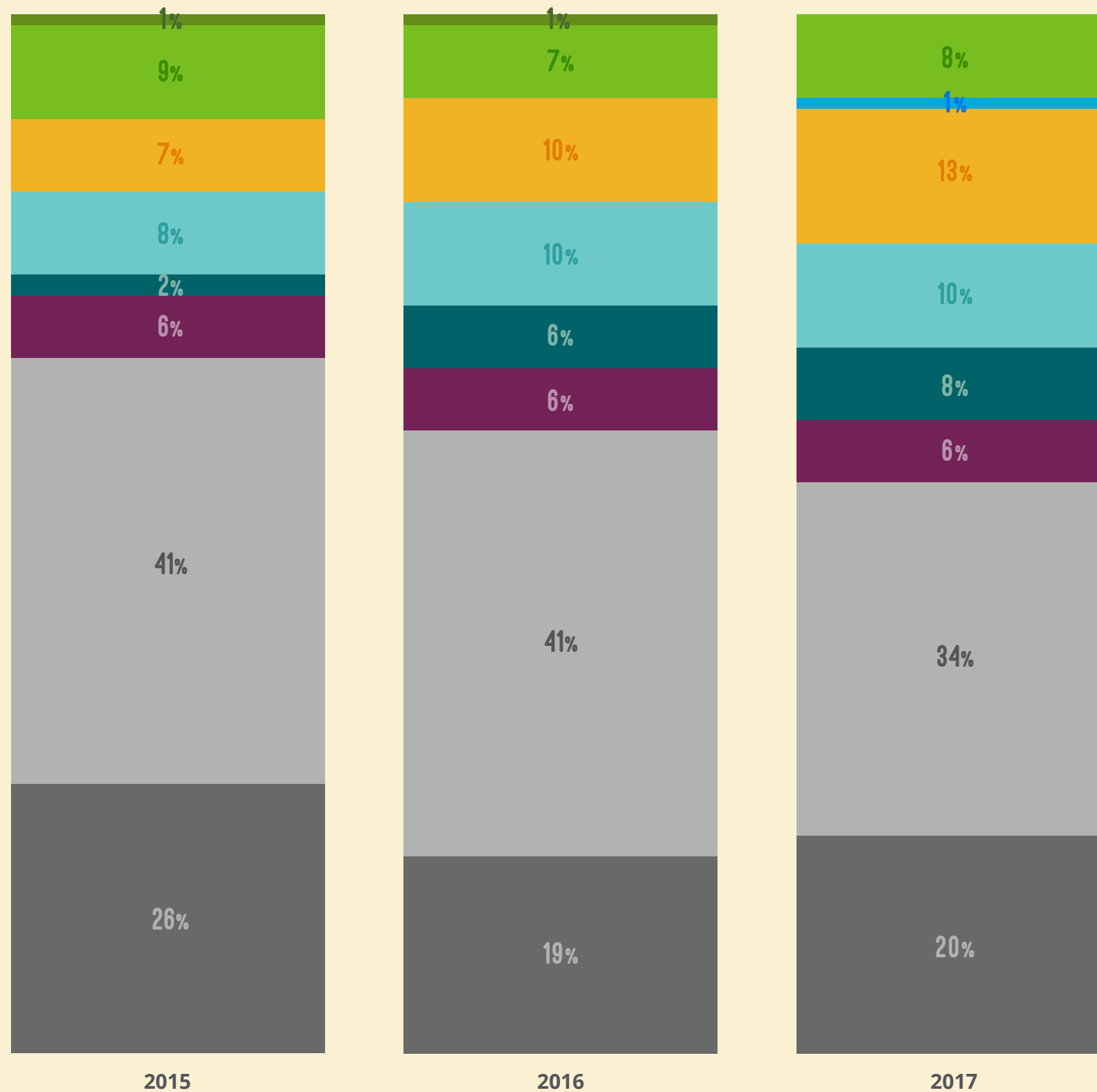
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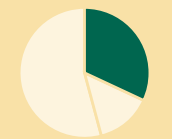
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Carbon-Free (Eligible Renewables)

- Biomass & Waste
- Geothermal
- Eligible Hydroelectric
- Solar
- Wind

2017 TOTAL

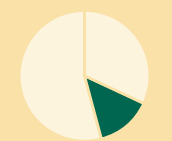


32%

Other Carbon-Free

- Large Hydro
- Nuclear

2017 TOTAL

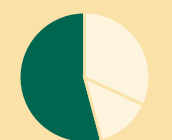


14%

Fossil Fuels/Other

- Unspecified*
- Natural Gas

2017 TOTAL



54%

* Unspecified power refers to electricity that is not traceable to a specific generating facility, such as electricity traded through open market transactions administered by the California Independent System Operator (CAISO). The power is typically a mix of resources, largely dominated by natural gas and renewables. The generating resources in the CAISO market are getting cleaner as more and more renewables are added to the grid in line with California state law.

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ENERGY STORAGE

New energy storage options are part of our plan to operate a flexible grid that takes advantage of clean, renewable resources. As more renewable resources come online, batteries can help smooth out the fluctuations in these resources by storing the energy that the resources generate and supplying it to the grid later when the sun isn't shining or the wind isn't blowing. Energy storage enables greater use of clean energy technologies and, over time, could offset traditional ways of meeting increased energy demand, such as building new power generation stations.

SCE plans to connect up to 747 MW of energy storage to the grid by 2024. At the end of 2017, SCE had nearly 500 MW of energy storage under contract. These projects have included SCE installations, projects developed in collaboration with other companies, procurements from other battery storage developers, and demonstration projects.

To continue this progress and broaden the use of energy storage, SCE filed its 2018 Energy Storage Procurement and Investment Plan with the CPUC. The plan requested authorization to build 40 MW of utility-owned storage. It also proposed a \$9.8 million customer incentive program to expand the benefits of energy storage to low-income customers who are already part of SCE's multifamily solar programs. The proposal would incentivize the owners of qualified solar-equipped multifamily buildings to install energy storage systems. This would help reduce peak demand on the grid while also helping building owners and their tenants save money by using on-site stored energy during peak rate periods.

SCE IS A NATIONAL LEADER IN ENERGY STORAGE

In 2017, the [Smart Electric Power Alliance](#) ranked SCE Number 1 in energy storage for adding more MW of energy storage than any other utility nationally based on a survey of more than 400 utilities. SCE's leadership in energy storage was also noted when SCE President Ron Nichols received [Energy Storage North America's Champion Award](#) in 2017. The award recognizes individuals from the utility and policy sectors who have demonstrated significant leadership in advancing the role of energy storage to achieve a cleaner, more reliable, and more resilient energy grid. SCE's Hybrid Enhanced Gas Turbine Project was also honored (see next page).



Lithium-ion batteries operating as part of the Hybrid Enhanced Gas Turbine system at the Center Peaker Plant in Norwalk, California.

HELPING CUSTOMERS MEET THEIR RENEWABLE ENERGY GOALS

Edison Energy works with large customers across the nation to help them reduce their carbon footprints, better manage their energy costs and risks, improve resiliency, and reach their sustainability goals.

Edison Energy takes a data-driven, analytic approach to energy contracting and capital decisions with the specific goal of protecting shareholder value and generating competitive advantage. By aligning energy investments with customers' strategic business and sustainability goals, Edison Energy helps them improve their competitive position and mitigate energy risk resulting from complex energy policies, technological advancements, and new products.

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SCE'S HYBRID ENHANCED GAS TURBINE PROJECT

Hybrid cars have long been a popular choice for drivers because they combine a gas engine and an electric motor, saving fuel and reducing GHG emissions.

Now, a similar hybrid technology is being used for the first time at two existing SCE peaker⁷ plants in the Southern California communities of Norwalk and Rancho Cucamonga. Like a hybrid vehicle, an advanced lithium-ion battery provides energy to the grid immediately, allowing time for the gas turbine to ramp up and take over, if needed. The battery is later recharged.

⁷ Peaker plants are smaller power plants — typically 100 MW or less — that are often used to serve the periods of high demand on the grid due to their quick start, fast ramping characteristics. These peakers are being called on more often to balance out the variability caused by the increased use of clean energy resources.

The system is called the Hybrid Enhanced Gas Turbine System, or Hybrid EGT, and results from a partnership between SCE, General Electric, and Wellhead Power Solutions.

The hybrid system, which went online March 30, 2017, combines three major enhancements to SCE's existing peaker plants: a battery energy storage system, an upgraded emissions control system, and a groundbreaking operating system.

The 10-MW battery storage system, combined with the gas turbine, allows the peaker plant to more quickly respond to changing energy needs, thus increasing the reliability of the electrical grid. The system is available 24 hours a day, seven days a week, providing spinning reserves even while the gas turbine is offline. This

feature improves the ability to integrate renewable power onto the grid because it can instantly step in when the wind or sun no longer meets system needs. The hybrid system reduces by half the number of times the peaker plant needs to be restarted, thus reducing GHG emissions by as much as 60% and helping to improve air quality. Reducing the number of restarts helps reduce operating costs and extends the life of the equipment, saving money for SCE customers.

The two peaker plants also meet California's strict environmental requirements by reducing overall water consumption. The Hybrid EGT has an optimized emissions control system that reduces the peaker's water by approximately 45%. Each plant will save about 2 million gallons of water.

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EFFICIENT ELECTRIFICATION

Efficient electrification is another strategic focus area for us, because we know that clean electricity powering efficient electric end uses in mobility, heating and cooling, and new applications like indoor agriculture is one of the keys to a clean energy future. That's why we're taking a leading role to advance efficient electrification in California and nationally, through cross-sector partnerships, advocacy, analytical work, customer incentives, and investments.

The Electric Power Research Institute (EPRI) released its U.S. National Electrification Assessment in April 2018 highlighting the potential for efficient electrification to create value for customers and society. Across a range of assumptions, efficiency gains from the application of electric technologies led to reductions in emissions, and also had the potential to reduce water use, increase grid flexibility, and increase productivity and product quality.⁸

THE ELECTRIC VEHICLE (EV) FUTURE

The transportation sector, which represents over 40% of our nation's energy consumption (predominantly through combustion of liquid fuels), is the sector of the economy that represents the largest opportunity for efficient electrification.⁹ Switching to electric fueling reduces GHG emissions by more than 80% when compared to fueling a gasoline or diesel-powered vehicle in SCE's service area. As SCE adds more carbon-free

⁸ EPRI, [U.S. National Electrification Assessment](#), April 3, 2018, p. 5.

⁹ EPRI, [U.S. National Electrification Assessment](#), April 3, 2018, p. 27.

NATIONAL EFFORTS TO FURTHER ELECTRIFICATION

Edison International President and CEO Pedro Pizarro is the chair of the EPRI Board of Directors Efficient Electrification Working Group and the co-chair of Edison Electric Institute's CEO EV Task Force. Both efforts have brought together stakeholders from across the country to further electrification. The EPRI working group is developing an analytical framework that identifies technologies and develops strategies to provide customers with cleaner, more efficient energy options. The EEI task force is developing an approach that all investor-owned utilities can use to develop programs and investments in transportation electrification, specifically. By working with our peers, we hope to lay the foundation for the nationwide effort required to achieve significant electrification and all the benefits it entails.

resources to its power supply, electric fuel will become cleaner and more effective at reducing GHG emissions and smog-forming air pollution.

While ownership and use of passenger EVs is increasing in California,¹⁰ the transition to passenger EVs is not happening fast enough to achieve the substantial increase necessary to meet climate change goals. Electrification of mass transit, and delivery and freight transportation is even further behind.

We are working on many fronts to accelerate the ownership and use of EVs in California and nationally. Not only are we involved with our cross-sector partners in shaping policies to further electrification, we are also investing in charging infrastructure and incentives to help SCE customers make the switch and to serve as a model for our peers.

¹⁰ In 2017, roughly 5% of new car sales were EVs or plug-in hybrid electric vehicles (PHEVs) in California. Findings from AAA: [1-in-5 U.S. Drivers Want an Electric Vehicle](#), released in early May 2018, found that 20% of Americans are considering an EV for their next vehicle purchase.

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Expanding light-duty EV charging infrastructure

SCE's \$22 million [Charge Ready Pilot](#) launched in 2016 to accelerate the installation of EV charging stations for light-duty vehicles. With a goal of installing 1,250 EV charge ports across our service area, we collaborated with cities, employers, apartment and condo complex owners, business site owners, campuses, and other locations where people park their cars for four hours or more. The pilot is particularly focused on disadvantaged communities disproportionately affected by pollution from gasoline- and diesel-powered vehicles and with low EV adoption rates.

SCE installs and pays all costs associated with the infrastructure to serve EV charging stations and will continue to own and maintain that infrastructure. Charge Ready customers procure, install, and maintain the EV charging stations and are responsible for electrical energy and networking costs, but also receive rebates to reduce the equipment and installation costs.

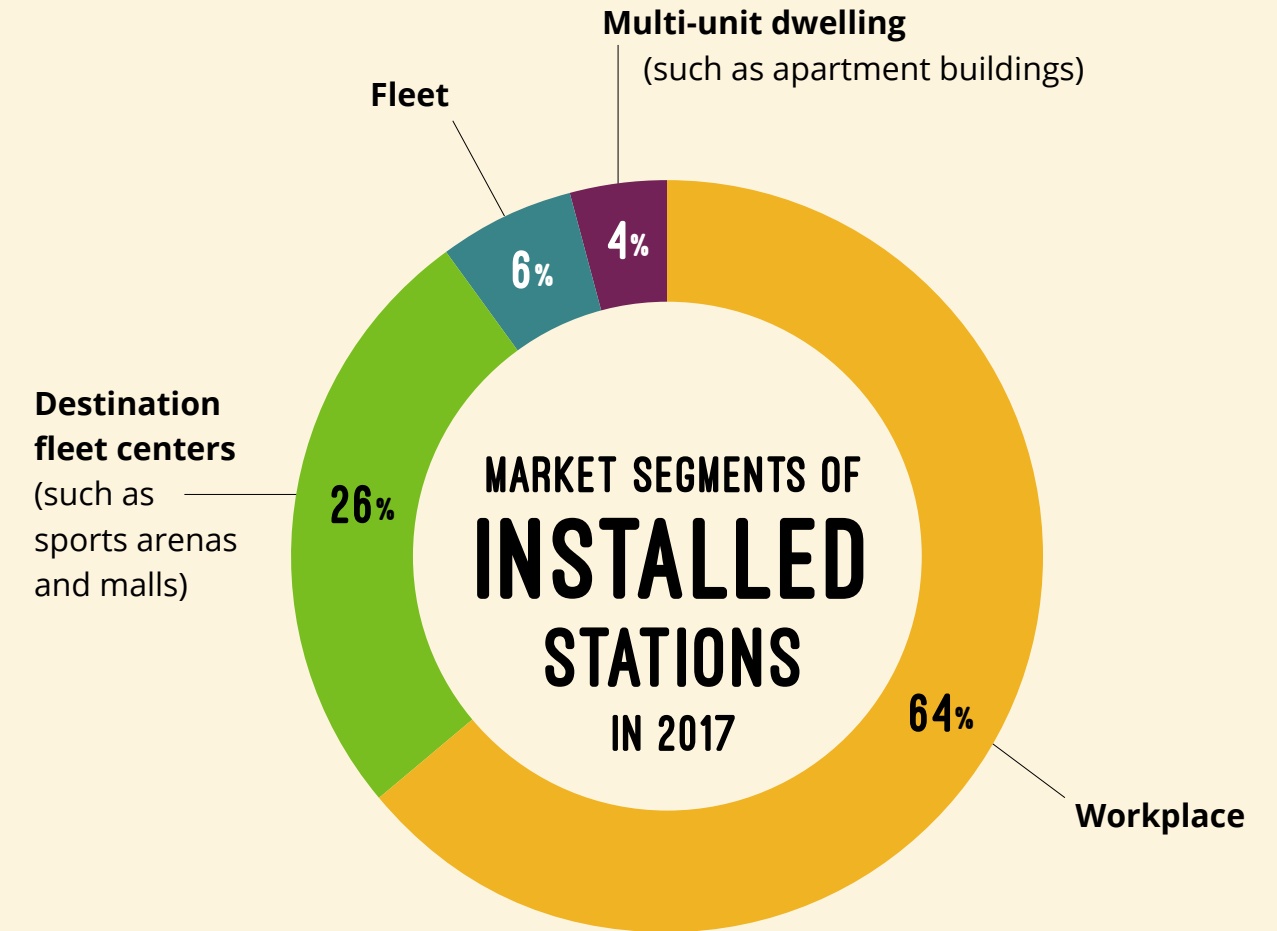
In April 2018, SCE filed a [report](#) with the CPUC on the results and findings of the Charge Ready Pilot.

Based on what we have learned, in 2018, SCE plans to apply for CPUC approval of an expanded program with additional investment in light-duty EV charging infrastructure.

CLEAN FUEL REWARDS PROGRAM

Through California's Low Carbon Fuel Standards Program, which the California Air Resources Board (CARB) adopted in 2009 to reduce the carbon intensity of transportation fuel, SCE is offering a \$450 reward to customers who drive EVs or PHEVs. This includes new, used, and leased vehicles. We believe that making the second and third owners of a vehicle eligible for a rebate will help stimulate the market for used vehicles and encourage even more customers to drive EVs.

CHARGE READY PILOT



2017 highlights

52

sites completed

50%

of ports completed or in progress were located within disadvantaged communities

803

charge ports installed

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Investing in medium- and heavy-duty EV charging infrastructure

In 2018, SCE received approval of a plan to accelerate the expansion of electric transportation ownership and use, particularly for customers with medium- and heavy-duty vehicles. The approved plan includes \$242 million in capital investments over five years to install infrastructure to support more than 8,000 medium- and heavy-duty EVs. SCE has additional funding for four infrastructure pilot projects (described on the next page). To help commercial customers make the switch to EVs, SCE also received approval for a new rate design.

The plan, which is laid out in the [“Transportation Electrification: Reducing Emissions, Driving Innovation”](#) white paper, is tailored to Southern California, where 40% of the goods entering the nation are moved through the region’s ports and over its highways and railways. While important to the state and local economy, the goods movement industry is a major source of GHG emissions and air pollution from heavy-duty

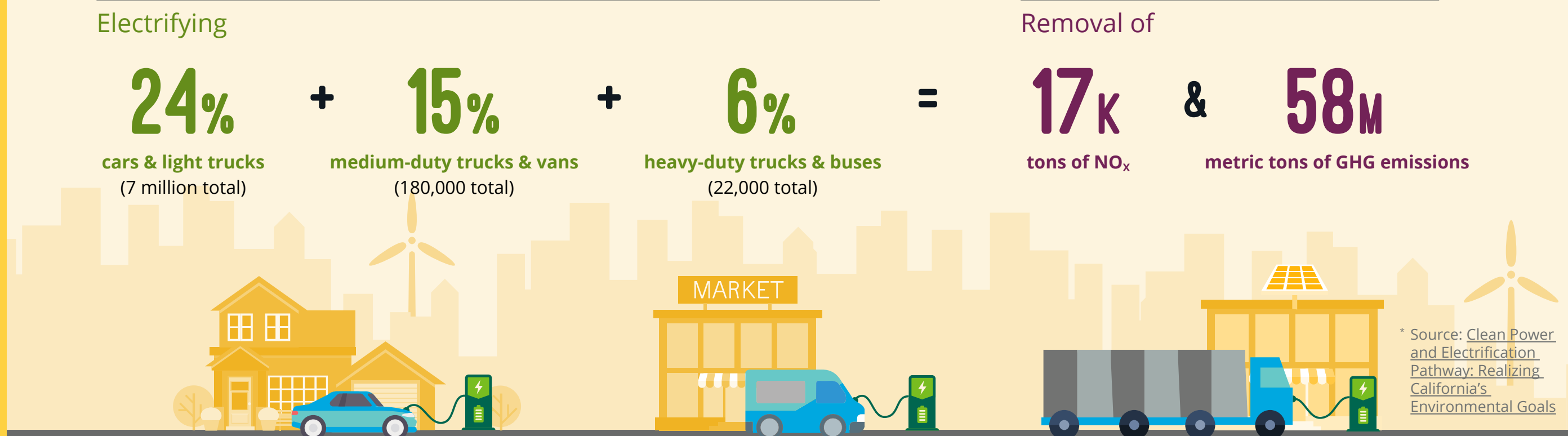
commercial and industrial vehicles. Accelerating EV ownership and use in this important industry will not only reduce GHG emissions but will also clean the air in local transit corridors, improving the lives of the many SCE customers who live and work in these areas.

We believe that this investment will also get California closer to the approximately 7 million light-duty and 200,000 medium- and heavy-duty EVs we project it needs to meet its 2030 climate change goals.

ELECTRIC BUSES

Edison International believes in the future of electrification for all types of vehicles, which is why we invested in Proterra, a leader in the design and manufacture of zero-emission electric buses. In 2017, Proterra opened a manufacturing facility in Southern California, supporting the local economy. In parallel, SCE has been working with transportation agencies throughout its service area to support their electrification goals, including developing the charging infrastructure needed to connect electric buses to the grid.

ELECTRIC TRANSPORTATION PLAYS A KEY ROLE IN REACHING CALIFORNIA'S CLIMATE CHANGE & AIR QUALITY GOALS*



2018 ELECTRIC TRANSPORTATION PILOT PROJECTS

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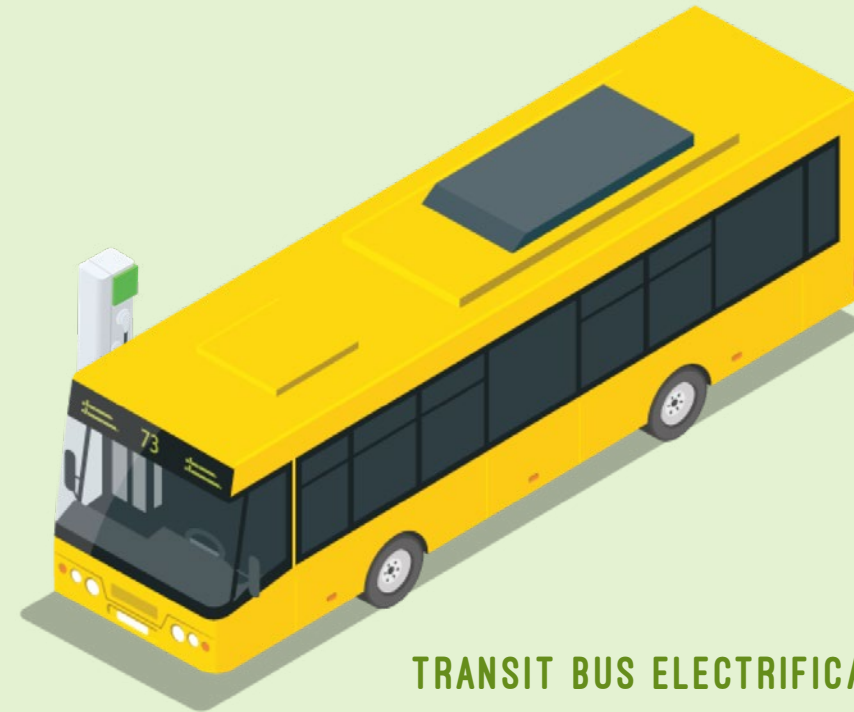
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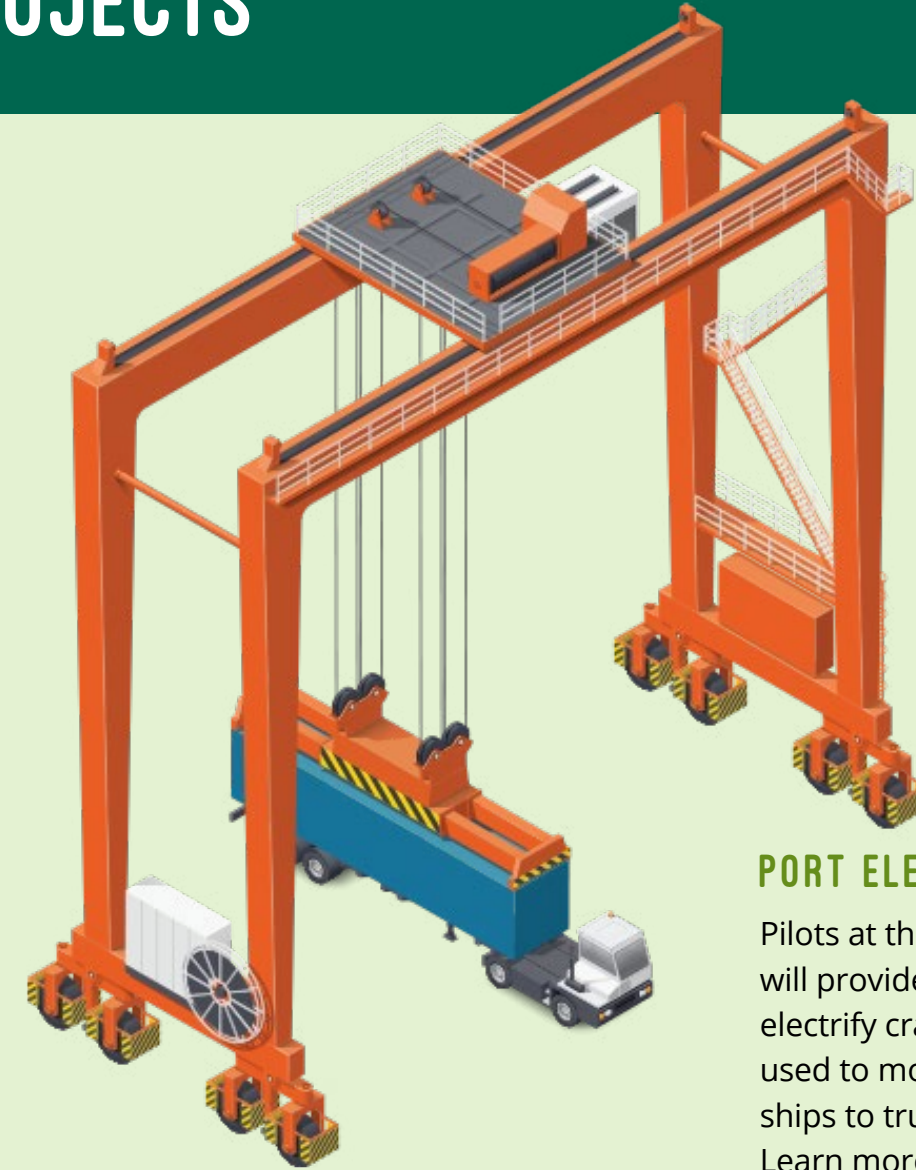
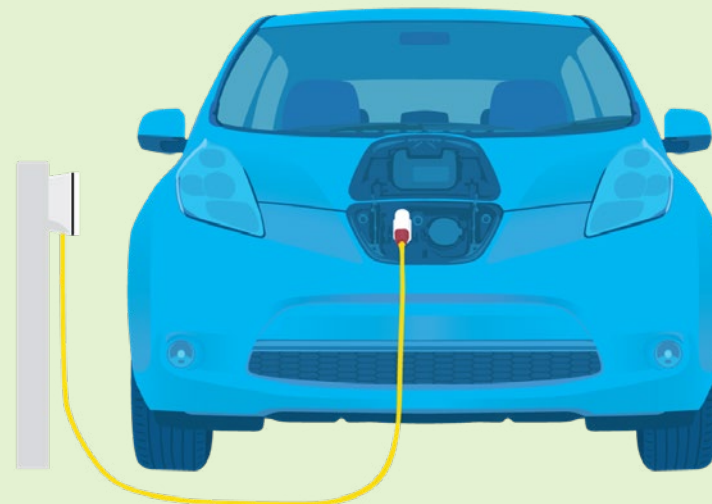


TRANSIT BUS ELECTRIFICATION

Fossil-fuel powered buses are a significant source of urban air pollution. This pilot, designed for government transit agencies, will fund the infrastructure cost of installing up to 20 electric charge ports at bus yards. The pilot will focus on cleaning the air in underserved communities that are disproportionately impacted by pollution from buses.

RESIDENTIAL CHARGING REBATE

One barrier to greater ownership and use of personal EVs is the cost and inconvenience of installing home chargers. This pilot will offer rebates to qualified residential customers to install the wiring for home EV chargers.

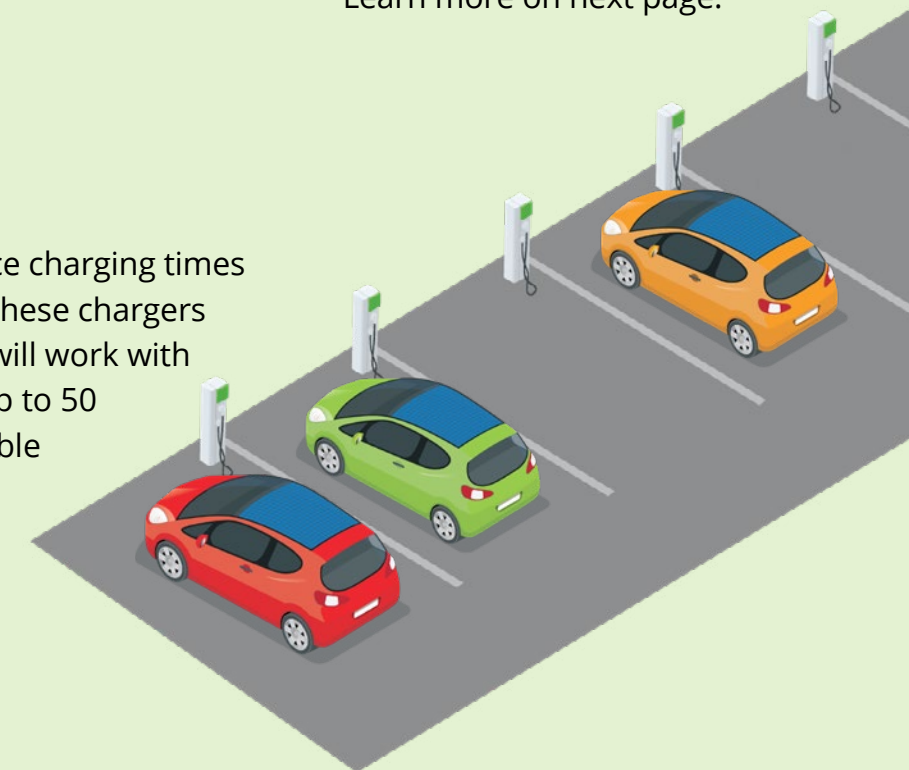


PORT ELECTRIFICATION

Pilots at the Port of Long Beach will provide infrastructure to electrify cranes and tractors used to move containers from ships to trucks and railcars. Learn more on next page.

URBAN FAST CHARGERS

Although fast chargers can reduce charging times to as little as 30 minutes, few of these chargers are commercially available. SCE will work with program participants to install up to 50 fast-charge ports at sites accessible to all drivers to promote fast charging and expand adoption of personal EVs.



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PORT OF LONG BEACH

The Port of Long Beach is partnering with SCE on a \$3.5 million electrification pilot project. SCE's role is to install electrical infrastructure supporting the conversion of diesel-powered gantry cranes to all-electric. The giant, rubber-tired cranes are used to load and unload cargo. In addition, at a separate terminal, SCE will install the infrastructure to power charging stations for new battery-electric yard tractors.

To support the Port of Long Beach's financial commitment to the project, the California Energy Commission awarded the Port a \$9.7 million grant to

convert the cranes to all-electric, purchase 12 battery-electric yard tractors for two terminals, and convert four underpowered Class 8, liquefied natural gas trucks into plug-in hybrid-electric trucks.

Overall, the project is expected to reduce GHG emissions by more than 1,323 tons and smog-causing nitrogen oxides (NO_x) by 27 tons each year. The switch to zero-emissions equipment is expected to save more than 270,000 gallons of diesel fuel. Officials hope it will become a model for ports around the world.

Expected project outcomes

1,323 tons of GHG reduced yearly

27 tons of NO_x reduced yearly

270,000 gallons of diesel fuel saved

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BUILDING ELECTRIFICATION

Residential and commercial buildings account for 30% of energy consumption nationally. Building space heating is second only to passenger vehicles in terms of end-use energy consumption and the opportunity for efficient electrification.¹¹ Building water heating is also an opportunity. At SCE, we are helping our customers reduce the energy/GHG footprints of their facilities through partnerships and education. We are particularly focused on helping customers pursue zero net energy (ZNE) homes, or homes which generate at least as much energy as they consume on an annual basis. Efficiencies achieved through electrification can play a major role in a ZNE home. Starting in 2020, most new homes built in California will need to include solar, which will be a significant stride towards California's goal to make all new homes ZNE.

In 2017, SCE partnered with *Green Home Builder* magazine and Habitat for Humanity of Orange County to construct and [donate an all-electric, ZNE home](#) to a veteran and his family in Orange County, California. The home, which features the latest in all-electric, energy-efficient technology from a solar roof to special foam insulation, provides a preview of homes to come under the new rules and gives SCE the ability to monitor the home's electricity usage over the next two years using remote energy-monitoring technology. The lessons learned will be shared with builders and developers making their transition to ZNE and all-electric construction.

¹¹ EPRI, [U.S. National Electrification Assessment](#), April 3, 2018, p. 31.



A new interactive display at SCE's Energy Education Center teaches customers about high performance building envelopes, a major part of a ZNE home.

SCE's Energy Education Center in Irwindale also offers customers a "hands-on" learning experience around high-performance building envelopes,¹² which are a major part of ZNE homes and often one of the hardest concepts to teach. The new interactive display, which opened in April 2018, teaches customers how to comply with the existing and future building codes by allowing them to view and touch each individual construction layer of high-performance walls and attics, learning what it takes to achieve ZNE.

¹²High-performance building envelopes, which physically separate interior and exterior spaces, are designed and constructed to significantly reduce heat and air transfer into and out of buildings.

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GRID OF THE FUTURE

A clean energy future requires a modern grid that supports high levels of carbon-free resources and integrates new technologies and services, all while being reliable and resilient. That's why our strategy also focuses on the grid of the future, and we're investing in and building that grid right here in Southern California.

Distributed Energy Resources (DERs) — including rooftop solar, onsite energy storage, EVs, and energy management systems — achieve cost savings for customers, reduce GHG emissions, and enhance system reliability. DER adoption is projected to grow rapidly (see chart on next page). In 2017 alone, SCE customers connected an average of 3,574 solar installations to the grid per month.

Over the long term, SCE plans to invest at least \$4 billion per year in its system to create a safer, cleaner, more reliable, and more efficient grid that enables the integration of these new technologies. These modernization plans are transforming a one-directional system into a two-directional system through automation and communication to accommodate hundreds of thousands of DERs. Together, these activities will also increase service reliability, improve security and safety of the region's power delivery infrastructure, and help to reduce public safety risks through fewer system faults and service interruptions.

To facilitate an ever-growing set of DER technologies, the local power grid must become a plug-and-play platform.¹³ By evolving the grid to become sensor and software driven, and supported by analytics, the grid will meet our customers' most essential needs while maximizing the value of their investments in DERs. Maximizing this potential for all customers requires a thoughtful approach that:

- **Modernizes and reinforces the grid** and its operations to improve safety and reliability and to integrate DERs and other carbon-reducing technologies;
- **Connects DERs to markets** that provide new revenue opportunities; and
- **Transitions to customer rate designs and DER programs** that better reflect the benefits and costs of DERs.

California reaffirmed the need for a plug-and-play grid through a law signed in 2013 requiring investor-owned utilities to submit distribution resource plans to the CPUC (AB 327). The law and subsequent guidance at the CPUC recognized that a modern grid facilitates the efficient integration of DERs into all stages of distribution system planning and operations without undue cost while providing for equitable access and a focus on safety and reliability.

¹³Brunello, Tony et al. "Building the Plug & Play Grid." More Than Smart. March 2016.

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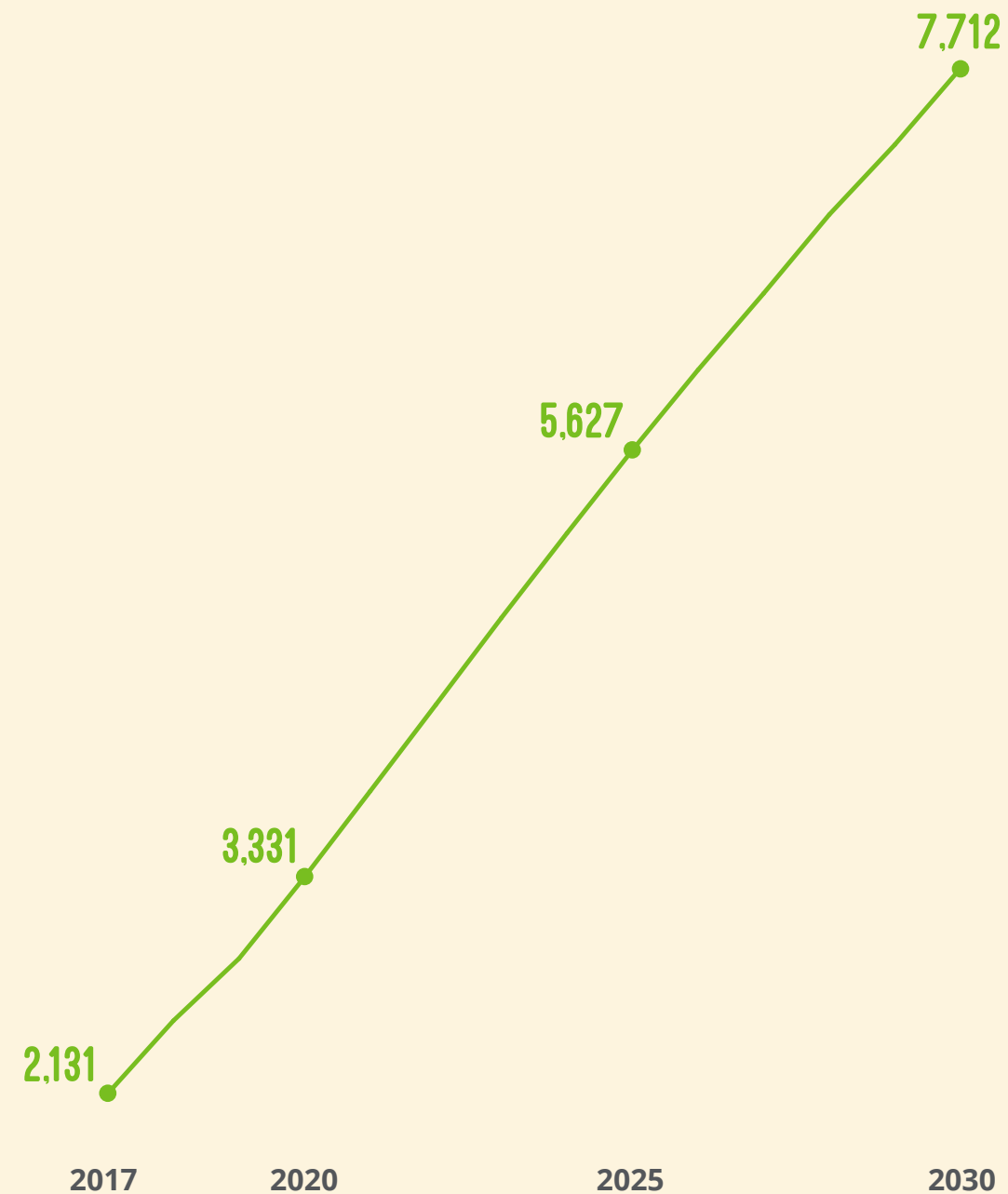
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PROJECTED GROWTH OF SELECT BEHIND-THE-METER DERS IN SCE'S SERVICE AREA*

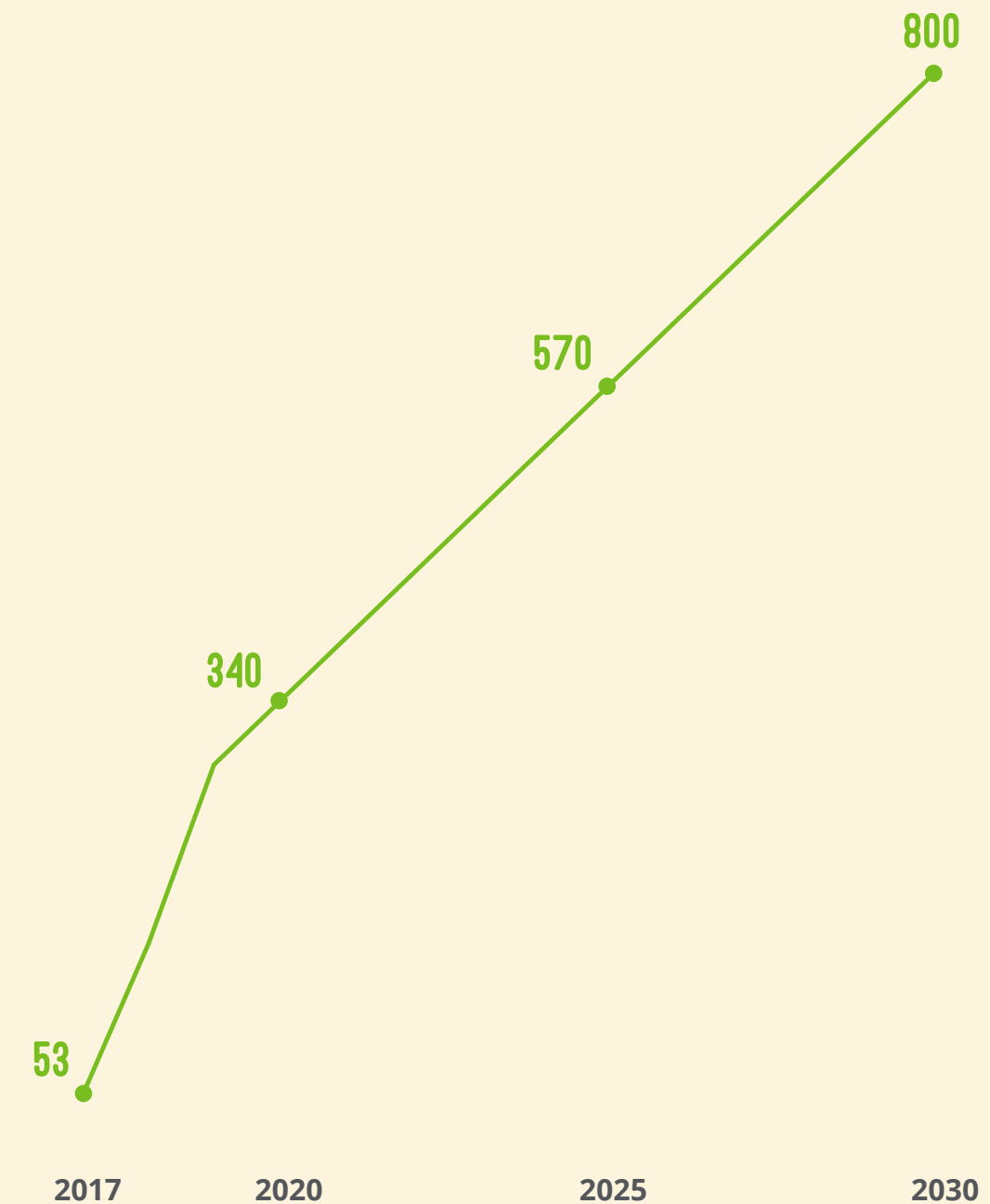
DER adoption is projected to grow rapidly.

● Nameplate Capacity in MW

Solar Photovoltaic (PV)



Energy Storage



* Based on the California Energy Commission Integrated Energy Policy Report's 2017 Forecast.

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CUSTOMER CHOICE

Customer choice is the fourth focus area of our strategy. New energy technologies are increasing our customers' interest in having more choices and greater flexibility to manage how they produce, procure, and use energy, and we know that they play an important role in bringing about a clean energy future. We're committed to meeting the needs of our diverse customer base with innovative offerings while making clean energy choices, such as EV charging and solar rooftops, easy for and accessible to all.

MANAGING ENERGY FOR EFFICIENCY & COST

The cleanest "source" of energy of all is conservation, i.e., using less energy in the first place. SCE has a range of energy-efficiency and demand response programs to help customers manage their electricity use and save money in the process. These include energy-saving plans, rate programs, and rebates for residential and business customers.

- **Energy-efficiency** programs reward customers for making changes that impact their long-term energy usage: for example, replacing older appliances or equipment with newer energy-efficient models. These include items such as heating ventilation and air conditioning (A/C) systems, pool pumps, and LED lighting. In 2017, SCE's energy-efficiency programs saved 292 MW, achieving a 727,000 ton reduction in CO₂ emissions, equivalent to 155,703 vehicles removed from the road.



OPTIMIZING PERFORMANCE FOR OUR EDISON ENERGY CUSTOMERS

Edison Energy offers consulting services to assist customers in strategic energy management, including energy portfolio risk mitigation, performance optimization, and help in achieving sustainability goals.

The medical technology company Becton Dickinson, for example, approached Edison Energy for support in achieving its 2020 sustainability goals at its corporate campus in Franklin Lakes, New Jersey. Goals included a 50% reduction in GHG emissions, a 40% reduction in energy use, incorporation of at least 50% renewables in its total energy supply, and a reduction of ozone-depleting substances.

Edison Energy designed an optimization project that included an integration of energy-reduction analyses, retro-commissioning, and energy monitoring and fault detection and diagnostics, which helped Becton Dickinson make progress toward meeting, and even exceeding, its goals. Edison Energy's field engineering expertise, coupled with field data and analytics, ensured that the optimization project was of the greatest value.

Becton Dickinson's energy reductions in the first year alone were about 20%. The project also delivered significant financial benefits, including a cost savings of \$1 million annually, and helped enhance the focus on sustainability across its corporate campus and in the community.

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- **Demand response** consists of utility-sponsored programs that reward customers who make short-term energy use reductions based on a trigger or signal from the utility; these reductions usually last one-to-four hours per event and help avoid use of less efficient fossil fuel powered peaker plants. Enrollments in 2017 totaled more than 292,000 residences and nearly 18,000 commercial accounts. In 2017, SCE's demand response programs resulted in 1,217 MW of resources being made available for reduction, if needed. Two illustrative examples of our demand response programs are:

- ◇ *Summer Discount Plan:* This popular demand response program lets residential participants earn up to \$180 and commercial participants up to \$225 in bill credits over the summer by allowing SCE to remotely turn off (or "cycle") a customer's air conditioner as needed. Customers choose their incentive level by deciding how often — and for how long — they permit SCE to cycle their air conditioners during these events.

- ◇ *Save Power Days Incentive Plus:* On any weekday when electricity demand is relatively high, SCE can call a "Save Power Days" event between 2 p.m. and 6 p.m. Events are administered through authorized smart thermostat service providers who may remotely adjust the temperature setting on participating customers' thermostats to reduce A/C usage.

WORKING TOWARD CLEANER AIR IN THE SAN JOAQUIN VALLEY

California's San Joaquin Valley, one of the most productive agricultural regions in the world, has some of the worst air quality in the country, according to the Environmental Protection Agency. Many of the region's 4 million residents do not have access to stable, clean, and affordable sources of energy. Some rely on expensive wood or propane stoves for heating and cooking, which only worsens air quality problems.

The CPUC is exploring ways to improve access to affordable and clean energy in the San Joaquin Valley. SCE is one of several energy companies participating in this effort. Twelve cities have been identified as potential sites for pilot projects; SCE serves three of those cities: California City, Ducor, and West Goshen.

SCE is proposing electrification pilot projects that will help communities in the San Joaquin Valley while also shaping future electrification efforts. These pilots will provide information about the cost and effectiveness of electrification and help us understand how electrification might be replicated across the San Joaquin Valley and throughout California.

With guidance and input from community groups and nonprofit organizations, the proposed pilots will focus on home preparation (such as improving insulation, upgrading wiring, and minor roof repairs) to support new clean energy technology. SCE will also aim to install energy-efficient appliances and solar power, supporting a cost-effective and clean energy option to burning wood or propane.

Families participating in these proposed pilot projects will not be responsible for upgrade costs. The goal is to decrease monthly energy expenses after the home preparation, appliance conversion, and solar installations are complete.

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ENVIRONMENTAL JUSTICE

In order to meet California's ambitious 2030 and 2050 emissions reduction goals and, at the same time, improve air quality, all Californians, regardless of neighborhood or income, must have the opportunity to participate in and benefit from programs and policies that are moving us toward a clean energy future. This includes the ability to access EVs, energy-efficiency programs and tools, distributed renewable energy, and training for clean energy jobs. SCE is committed to lowering barriers to clean energy benefits through infrastructure programs, rate design, and innovative collaborations.

In 2017, SCE launched the [Clean Energy Access Working Group](#) in a groundbreaking partnership with [The Greenlining Institute](#) and a variety of environmental, community, and faith-based groups to make sure no community is left behind as we move toward a clean energy future. The group is shaping pilot programs and regulatory and legislative initiatives focused on EVs and sustainable, scalable, and affordable community solutions for cleaner air and a healthy climate.

The Greenlining Institute, which focuses on environmental and social equity, is facilitating the working group. More than 20 community organizations attended the working group's first direct engagement meeting in June 2017. The group discussed key elements and benefits of community solar project design, including community ownership, job training, and education and awareness.



TUNE IN & TUNE UP

[Valley Clean Air Now](#) (ValleyCAN) is a nonprofit organization committed to improving air quality in the San Joaquin Valley, home of many high-polluting, older, and unregistered cars that don't meet state emissions standards.

Edison supports Tune In & Tune Up, ValleyCAN's smog repair program. Tune In & Tune Up events are held throughout the year to give residents free emissions tests to determine whether their vehicles qualify for free repairs at a local STAR-certified smog shop.

Learn more about how we are [supporting our communities](#).

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7-YEAR

**RECORD LOW SYSTEM
AVERAGE INTERRUPTION
DURATION INDEX,**

measuring the amount of time the average SCE customer experienced a power outage or interruption for more than five minutes (called a "sustained outage") in a given year (excluding major event days)



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SAFETY

Safety is the first of our core values, the foundation of everything we do. Edison International promotes safety in a wide variety of ways across the organization.

We support a culture of safety where each person plays a role in fostering an injury-free and safe environment for our employees, contractors, and the public. We also invest in safe and secure grid technology and leading educational programs that help people prepare for natural disasters.

WORKER SAFETY

In 2017, Edison International measured safety performance using the rate of workplace injuries reportable to the Occupational Safety and Health Administration (OSHA) and the Days Away, Restricted, and Transferred (DART) rate, which measures injuries serious enough for an employee to lose time away from work or that require the employee to be on restricted duty.

Our 2017 performance did not meet our expectations; for example, our DART rate remains worse than industry norms. We were also saddened by two contractor fatalities in early 2018. These tragic losses underscore the importance of the work ahead for our company. We have dedicated additional senior leadership, time, and attention in this area and are focused not just on developing better tools and processes, but more importantly, on growing the safety focus of our organization's culture.

SAFETY PERFORMANCE	2015	2016	2017	Peer Benchmark Average*
Employee OSHA Recordable Rate	2.34	1.92	2.03	0.89
Employee DART Rate	0.93	0.80	0.97	0.48
Tier 1 Contractor OSHA Rate	1.68	0.89	0.71	—
Tier 1 Contractor DART Rate	1.14	0.66	0.37	—

* Based on a benchmark of 19 peer utilities.

Safety culture

We are taking our safety culture to the next level and are working to ensure that all of our employees and contractors feel empowered to control their own safety, support their team members' safety, and contribute to a safe work environment. We want our employees and contractors to return home unharmed always and are investing a significant amount of time, energy, and focus to make sure that happens. Evolving our culture isn't easy and won't happen overnight. We are committed to doing the hard work it will take to get there.

We have been making significant and very real investments, including:

- Training and coaching to help our leaders inspire their employees to make safe choices;

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- Improving our safety communications;
- Improving hazard awareness for our frontline employees through cognitive behavior training;
- Revising our safety practices to make sure they are simple, effective, and focused on empowering our employees.

Learn about our [Craft Driven Safety Program](#) with represented employees and our focus on [wellness](#).

PUBLIC SAFETY

We are committed to keeping the public safe. We know that we have a responsibility to uphold the highest levels of public safety and are doing our part by [modernizing our grid](#), helping our communities prepare for disaster, and developing safety campaigns for the public good.

Disaster preparedness

In 2017, natural disasters, including hurricanes, earthquakes, and wildfires, devastated communities across the nation, including many right here in Southern California. We have seen our share of natural disasters and know that electrical equipment damaged in a catastrophic event can be a major public safety hazard. We have made significant investments in emergency preparedness so that we can protect and quickly restore our system and power our communities in times of need.

Each year, SCE conducts about 50 exercises to prepare employees to respond to potential disasters. For example, in 2017, SCE joined several million participants in the “Great ShakeOut” for an all-day drill in response to a mock 7.8-magnitude earthquake with the Federal Emergency Management Agency (FEMA), the California Governor’s Office of Emergency Services, other utilities and companies, and a variety of first responders. In addition to training such as this, SCE has partnered with the U.S. Geological Survey, the California Institute of Technology,



SCE workers perform system improvements to strengthen the grid.

and other institutions to develop early earthquake warning systems that can provide a few seconds of warning before a major earthquake.

Meanwhile, since 2012, Edison International has funded [PrepareSoCal](#), a partnership with the American Red Cross, through an investment of \$3 million. PrepareSoCal promotes resiliency in the face of disaster by sharing life-saving tips, tools, and training with families in some of our state’s most vulnerable communities.

Infrastructure replacement programs

SCE is investing in two equipment programs to reduce safety risks. In 2015, we began a program to replace certain overhead conductors with larger and stronger conductors and to install additional fusing on distribution circuits. This program reduces the key risks for overhead conductors, including live, downed wires and conductor failures. Since the start of the program, we have invested approximately \$330 million to install about 5,900 branch line fuses and to replace more than 1,400 conductor miles of overhead distribution circuits.

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Approximately a quarter of SCE's service area is located in high fire-risk areas. In 2013, SCE completed a system-wide meteorological study and used the updated wind speed data from the study to implement its own pole design and construction standards. SCE then launched a comprehensive pole replacement program in 2014, which included an assessment of poles against the updated wind standards.

SCE's pole loading and deteriorated pole programs result in a stronger, more resilient system overall. Since 2014, 39,000 poles have been replaced in high fire-risk areas.

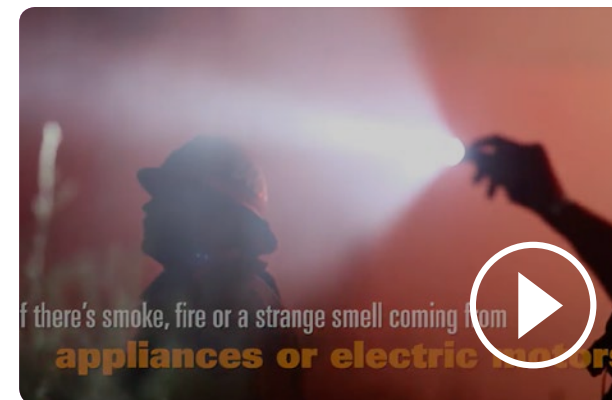
Public education campaigns

SCE promotes annual safety campaigns to engage and educate the public. In 2017, SCE's advertising campaign focused on safety near power lines, especially in everyday, non-emergency situations. The campaign achieved more than 1.2 billion advertising impressions via television, radio, digital/online, social media, billboards, and bus shelters. In alignment with the demographic makeup of our service area, the campaign was produced in languages in addition to English, including Spanish, Korean, Chinese, and Vietnamese.

In 2017, we also sponsored a program to educate school-aged children across Southern California about safety around electricity. The live stage production, called [Agents of Safety](#), revolved around two secret agents traveling the planet to eliminate unsafe usages of electricity — such as overloading outlets or mixing water and electricity. The show taught elementary school students how electricity is made, the uses of electricity, how to identify dangerous electrical situations, and ways to stay safe, including metallic balloon safety tips. Edison International provided a \$100,000 grant using shareholder funds to the National Theatre for Children to produce this educational arts program. In 2017, the play's 85 performances across 40 schools in SCE's service area were seen by 2,000 students, teachers, and parents. Learn more about how we are [supporting our communities](#).



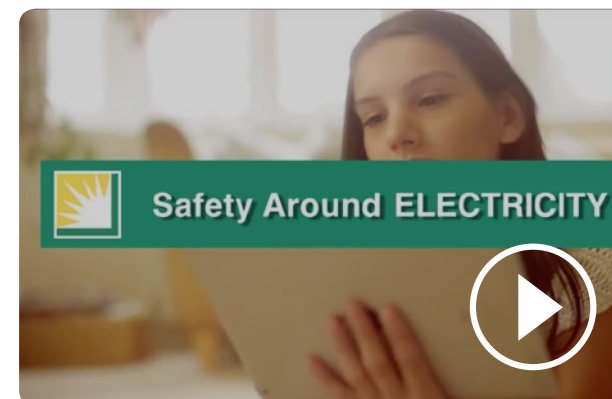
SCE also created a series of videos to share on social media about electricity safety and wildfire safety. [Watch the videos.](#)



Video: Electrical Fire Safety



Video: Wildfire Safety



Video: Safety Around Electricity



Video: Your Family and Electrical Safety

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CUSTOMERS & COMMUNITIES

Safety. Reliability. Affordability. Customer Satisfaction. These are the fundamentals for better serving our customers and our communities.

Operational and service excellence is at the core of how we deliver Energy for What's Ahead®. This approach is not a program or something we do occasionally. It's how we work day-in and day-out to bring cleaner energy to a changing world. We focus on supporting our communities, both for the long term and in times of immediate need. This includes partnering with local nonprofit organizations that are focused on education, environment, public safety, and civic engagement.

We also want to meet our customers' expectations for more choices, which is one of the reasons we are [modernizing our grid](#) to support options like increased rooftop solar, EV charging, and smart technologies. Our customer-centric vision drives us to innovate for energy solutions that improve the quality of life for everyone we serve.

SERVING OUR CUSTOMERS

We are committed to operational excellence. At SCE this means keeping our service as reliable as possible 24 hours a day, seven days a week. We are also dedicated to serving all of our customers. That's why one of our priorities is to simplify our service interactions and optimize our existing products to keep pace with customer needs and expectations.



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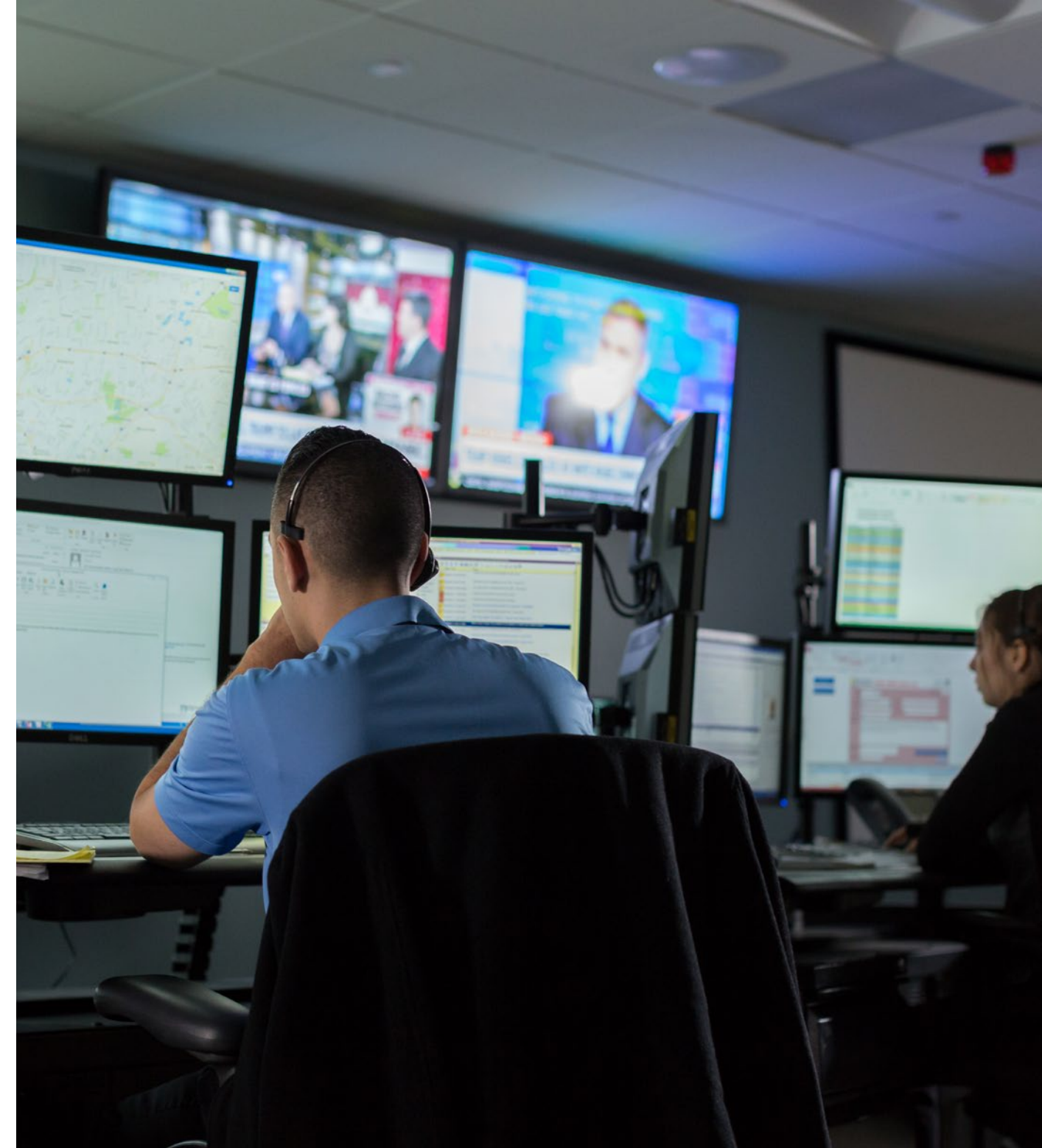
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Reliability

SCE is committed to keeping customers informed about any interruptions to their service; moreover, SCE strives to execute work in ways that minimize disruption. In 2017, we did not meet our reliability goals; however, we began implementing a three-year improvement roadmap, and the benefits realized in the second half of the year exceeded our expectations. For instance, our System Average Interruption Duration Index (SAIDI) score, which measures the cumulative duration of sustained repair outages experienced by the average customer in a year excluding major event days, dipped to a seven-year low in 2017; and in July and December 2017, we achieved our lowest SAIDI scores on record. We expect reliability to continue to improve in 2018, with a goal of achieving top-quartile performance over the next few years.

RELIABILITY PERFORMANCE	2015	2016	2017
System Average Interruption Frequency Index (SAIFI): Number of sustained outages experienced by the average customer in a year	0.86	0.99	0.87
System Average Interruption Duration Index (SAIDI): Cumulative duration (in minutes) of sustained repair outages experienced by the average customer in a year	100.15	109.98	91.72
Customer Average Interruption Duration Index (CAIDI): The average outage duration (in minutes) per customer; also, average time to restore service	116.56	110.69	105.40
Customer Average Interruption Frequency Index (CAIFI): The average number of interruptions per customer interrupted per year	1.70	1.79	1.04

Sustained outage: Power outage lasting longer than five minutes.



RELIABILITY OPERATIONS CENTER

In 2017, SCE formalized efforts to incorporate the latest innovations in data analytics into our operations by launching the Reliability Operations Center. Using real time outage diagnostics, the Reliability Operations Center helps identify causes and locations of power outages prior to the arrival of crews on scene. This reduces time spent troubleshooting in the field, enabling crews to fix problems more quickly. As more data becomes available with the modernization of the grid, new analytics, algorithms, and data science techniques will further this effort, reducing outage lengths and, in some cases, even preventing outages altogether.

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Outage management

SCE has been making changes to maximize usage of outage management communication channels and to minimize the inconvenience customers experience when outages occur. These include proactive notifications, improved scheduling, and more accurate restoration information.

SCE's proactive outage notification system gives customers the ability to learn about current outages and stay updated on status and estimated restoration time through various communication channels, including voice, email, and text message. By year-end 2017, over 3 million customers were enrolled in the program, and we expect that number will continue to grow. Customers can enroll in the notification program by visiting SCE.com/outage.

SCE is continuing to improve planning for and scheduling of maintenance outages to avoid sensitive dates, such as religious and civic holidays, as well as to improve work practices to reduce the duration of maintenance outages and the number of customers impacted. In 2017, more than 90% of all maintenance outages began when scheduled, and 74% ended within SCE's restoration guidelines. SCE reduced the percentage of canceled or rescheduled maintenance outages from 7.2% in 2016 to 6.1% in 2017. In 2018, we also launched an outage progress tracker on our website that keeps customers informed of the status of the restoration process, similar to the way customers can track delivery of their packages.

For unexpected outages that require repairs, SCE has implemented improvements to enable crews to restore power more quickly, and in some cases, prevent repair outages altogether. This includes installing hardware to reroute power under certain circumstances and improving older circuits through our grid modernization efforts. The Reliability Operations Center (see previous page) has also been working on ways to identify grid equipment prior to failure, thus decreasing repair time and inconvenience to customers.

BUILDING CLIMATE RESILIENCE

The devastating wildfires that swept through parts of California in 2017 demonstrate the serious threat that climate change poses to California's communities and the environment. Mitigation and resilience in the face of climate change are vital, and we are working to address the effects of climate change on our infrastructure and in our communities and to adapt to the uncertainty of climate-related events.

Since 2015, SCE has been involved in national efforts, partnering with the Department of Energy along with other utilities, to accelerate the development of and investment in technologies, practices, and policies that will create a more resilient energy system and reduce climate- and weather-related vulnerabilities. SCE has completed an initial analysis of its system using future climate models in order to understand better how to prepare for changes in its environment. In 2018, SCE plans to refine the analysis and prepare an investment plan to deal with near-term severe weather events that are becoming increasingly intense, as well as long-term issues such as sea-level rise.

SCE is also focused on factoring extreme weather conditions into its operational plans. SCE recently implemented guidelines around conducting maintenance outages in high heat conditions. Using a 14-day look-ahead report, SCE combines weather data from across its service area with its outage plans in order to make appropriate decisions related to conducting outages. The report provides SCE with early warning of extreme weather conditions and allows for proactive action, including rescheduling an outage if appropriate.

Affordability

SCE is striving to keep its costs low for customers. One way SCE measures affordability is non-generation operations and maintenance (O&M) costs per customer. SCE continues to reduce O&M costs and is on track to achieve top quartile performance as compared to peer utilities nationwide. In SCE's 2018 general rate case filing, SCE requested fewer O&M dollars from customers than authorized in its 2015 rate case. SCE also tracks system average rates and maintains the lowest system average rate among California's investor-owned utilities. In addition, SCE's average residential bill (\$/month) was 27% lower than the national average in 2017 due to higher energy-efficiency appliance and building standards as well as a milder climate than other regions.

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SCE also offers programs authorized by the CPUC to customers with qualifying incomes. The California Alternate Rates for Energy (CARE) Program reduces energy bills for eligible customers by about 30%, while the Family Electric Rate Assistance (FERA) Program reduces electric bills for qualified households by 12%. For income-qualified customers, our programs also offer free appliances and installation of energy-efficient refrigerators and air conditioners, as well as home-efficiency solutions like weatherization that save energy and money. SCE employees, customers, and shareholders also contribute to SCE's Energy Assistance Fund (EAF), which is administered by United Way and provides qualifying customers with temporary support when they are most in need. Learn more about our [programs](#).

Customer satisfaction

SCE continues to focus on customer satisfaction and strives to improve the experience of its customers. Our approach to managing customer experience starts with using services, such as the J.D. Power Electric Utility Satisfaction Study, to track how we are meeting customer needs compared to other utilities across the nation. Among large utilities in the West, we ranked fourth of 13 in J.D. Power's 2017 Residential Electric Utility Customer Satisfaction Study, up three places from 2016. We ranked fifth of 12 in the J.D. Power 2017 Business Electric Utility Customer Satisfaction Study, up one position from 2016.

We have implemented a "Voice of the Customer" Program to capture feedback and route it in real time to the employees and teams that need to take action. We then link customer feedback to internal operational metrics so that day-to-day decisions in the back office and on the front line can provide the optimum service while keeping customers and employees safe and costs reasonable.

By combining these elements, we have the ability to monitor and manage day-to-day customer experiences while prioritizing improvement areas and preparing for a clean energy future.

INCOME-QUALIFIED CUSTOMERS

California Alternative Rates for Energy (CARE)

1.22M SCE customer accounts enrolled
(More than one-third of SCE residential customer accounts)

Family Electric Rate Assistance (FERA)

18,954 participating households

Energy Savings Assistance Program (ESAP)

Helps save energy and money by offering energy-efficient appliances at no cost to customers

80K+ participating homes **27M+** kWh saved **4,353** kW of demand reduced

SCE's Energy Assistance Fund (EAF)

Administered by United Way. Qualifying SCE customers can receive up to \$100 toward their energy bill once in a 12-month period.

\$1.32M donated
(By employees, customers, and Edison International shareholders)

14,293 households assisted

2017 BUSINESS CUSTOMER SATISFACTION AWARDS

In 2017, SCE received two top awards for business customer satisfaction. These included the Business Customer Champions Award from Market Strategies International (MSI), based on MSI's Engaged Customer Relationships Index. The index evaluated 60 utilities on brand trust, product experience, and operational satisfaction. SCE also received the Utility Small and Midsized Business Customer Satisfaction Award from eSource, based on a survey of more than 2,100 small and midsize business customers on utility satisfaction and value along with account representative satisfaction and value. These awards reflect our commitment to and continuous improvement around being best-in-class in customer satisfaction.

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Customer & community engagement

SCE works closely with community-based organizations, as well as leaders from key customer segments, to increase awareness about safety, promote programs and services, hear feedback, and align on common goals.

In 2017, SCE launched the [Clean Energy Access Working Group](#) with environmental, community, and faith-based groups to make sure no community is left behind as we move toward a clean energy future. We also convened advisory panels as part of an ongoing effort to facilitate dialogue and build relationships, helping SCE leaders gain a clearer understanding of issues important to our stakeholders. The forums provide a sounding board for prospective company initiatives and policies and bring greater awareness of SCE's positions on current issues.

Our advisory panels include:

- Consumer Advisory Panel (CAP)
- Government Advisory Panel (GAP)
- Business Advisory Panel (BAP)
- Small Business Advisory Panel (SBAP)
- California Large Energy Consumer Association (CLECA) Advisory Panel
- California Manufacturers & Technology Association (CMTA) Advisory Panel.

In 2017, SCE also engaged with community-based organizations to educate customers about rate reform and assistance programs. In addition, our Mobile Energy Unit (MEU) team traveled the region to provide energy-efficiency and energy management information to households and businesses. In 2017, the MEU team attended more than 50 events.

INVESTING IN OUR COMMUNITIES

At Edison International, giving back is part of who we are and what we do. Throughout our 130+ year history, we've partnered with the community as part of our commitment to building a better tomorrow.

Most of our grant funding is targeted to help meet the needs of groups that are often underserved, including diverse ethnic groups; seniors;

people with special needs; women; low-income; and lesbian, gay, bisexual, transgender, and queer (LGBTQ) populations. In 2017, Edison International donated \$21.8 million in philanthropic funding, with nearly 90% of our giving helping underserved residents. Today, Edison International is one of the largest corporate charitable contributors in Southern California. Edison International's charitable contributions are funded entirely by shareholder dollars, not by customers.

In addition to our financial contributions, we encourage our employees to volunteer their time to nonprofit and community-based organizations.

OUR FOCUS AREAS



Education

More than 50% of our funding goes toward educational programs designed to help keep kids in school while opening doors to higher education. We look for education programs that emphasize Science, Technology, Engineering, and Mathematics (STEM) because we are committed to developing a future workforce that can advance our clean energy vision.



Environment

Our commitment to protecting the environment began decades ago, and it's deeply rooted in our company culture as we fight to prevent climate change. We're uniting with nonprofits that have the passion and expertise to help mitigate environmental issues impacting our communities.



Public Safety & Emergency Preparedness

Disaster can strike suddenly, anywhere, at any time, and earthquakes pose a real and ongoing threat in our region. We're committed to helping families and the community be prepared for natural and human-caused disasters, and our support is focused on programs that emphasize emergency preparedness and electrical safety.



Civic Engagement

We know that our success hinges on the success of the communities we serve. To help keep our communities strong, we partner with organizations that provide vital services, such as workforce development, leadership development, and capacity building for local nonprofits.

OUR PARTNERS

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We [partner with nonprofit organizations](#) that are making a difference in the communities we serve, whether that means providing STEM education to underserved youth, cleaning up parks, helping communities prepare for the impacts of climate change, or offering transition services for veterans. A few examples include:

AMIGOS DE LOS RIOS

As part of our partnership with [Amigos de los Rios](#), more than 100 of our employees and family members [helped to plant nearly 300 shrubs and trees](#) in the Peck Road Water Conservation Park in Arcadia, a thriving green space in an area of Los Angeles County, California that is otherwise seriously lacking in parkland.

GIRLS. INC.

Our \$5,000 contribution to [Girls, Inc. of Carpinteria](#) helps fund the Eureka Program, a five-year program that provides STEM education to prepare girls who may not have exposure to STEM opportunities for college.

GOODWILL SOUTHERN CALIFORNIA

A \$15,000 grant to [Goodwill Southern California](#), a leading employer in the Inland Empire, helped expand Goodwill's career development services, including training within in-demand occupations in high-growth industries and placement opportunities through one-on-one work with training providers.

Learn more about other organizations we are supporting in [Workforce](#) and [Safety](#).



Edison Energy volunteers with One More Tri

One More Tri is more than a race. It brings triathletes of all skill levels together to compete side-by-side with Special Olympics athletes. This race is inspired by a simple principle: the act of competing together ensures a quick path to understanding, acceptance, and friendship.

Each year, triathletes with and without disabilities swim, bike and run, illustrating what athleticism, perseverance, and grit look like. In 2017, more than 700 athletes, volunteers, and sponsors rose before the sun for the 6th annual One More Tri, which attracted over 1,000 spectators and more than 40 Special Olympics athletes. Employees from across Edison Energy competed or volunteered at the event, which raised over \$70,000 for the Special Olympics.

SCE'S pro bono efforts recognized

In early 2018, SCE's Law Department received the prestigious Pro Bono Award from the Los Angeles-based Public Counsel, the nation's largest pro bono law firm. SCE has actively supported Public Counsel for years. The recognition highlighted, in particular, SCE's involvement in multiple adoption cases, with an array of advocacy issues and including a tireless fight to obtain additional services and benefits for the most vulnerable youth.

SUPPORTING RECOVERY EFFORTS

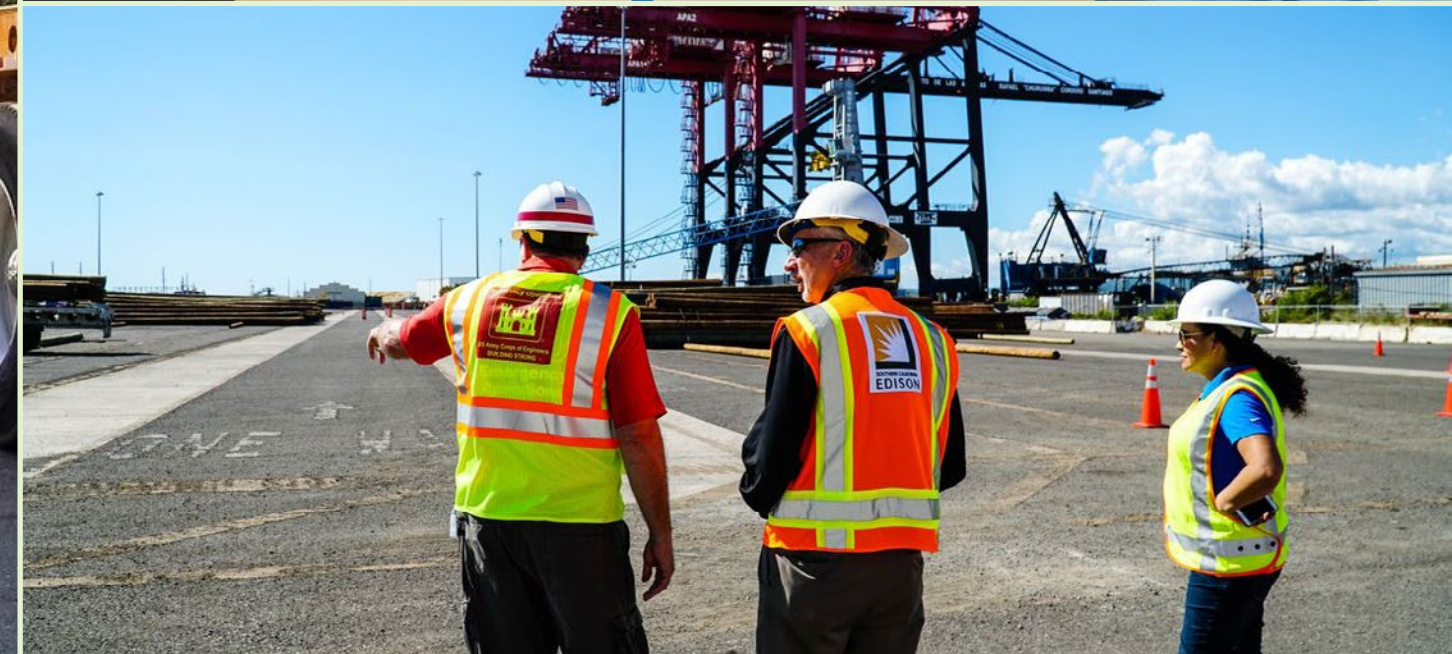
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RESTORATION & RECOVERY AFTER THE THOMAS FIRE

The Thomas fire began the evening of December 4, 2017, and became the largest wildfire by acreage in California history. The fire affected thousands of SCE customers and many employees in Santa Barbara and Ventura counties. We mobilized early, which enabled us to respond quickly not just to the Thomas fire, but also to other December fires throughout Southern California. More than 900 employees and contractors were involved in restoration efforts, working around the clock to replace more than 1,000 poles and other infrastructure equipment. We also hosted tables at local assistance centers, identified wildfire-affected customers, and expedited needed service changes.

To support short- and long-term wildfire recovery efforts for low-income individuals and families, Edison International donated \$250,000 in shareholder funds to the Southern California Wildfire Fund through the United Way of Greater Los Angeles.

HELPING PUERTO RICO REGAIN POWER

At SCE, we have seen our fair share of natural disasters, and we're committed to helping our fellow utilities when they are in need. SCE employees were among the thousands of U.S. utility workers who went to Puerto Rico to help restore power following Hurricane Maria in 2017.

"Nothing I've done before is even close to what's out here," said Kelly Whittemore, who led a 10-person SCE team to Puerto Rico in December. He and others spent most of their time in Ponce, a large city on the south side of the island. Many of the downed power lines were in mountainous regions that could only be accessed by winding roads that were barely wide enough for one vehicle. In February 2018, SCE redirected its support efforts to the Caguas Region in the eastern part of the island.

SCE supported [the effort](#) through demobilization at the end of May, at which time power had been restored to more than 99% of the island.

2017 EDISON SCHOLARS: SUPPORTING TOMORROW'S LEADERS

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Edison Scholars recognizes students who want to be makers of tomorrow.

Each year, Edison International awards \$40,000 scholarships to 30 high school seniors who want to make a difference in the world by studying STEM in college. The program, which focuses on underrepresented and low-income students, supports the future innovators who will help transform our industry and society in the years to come.

Since 2006 through program year 2017, we have awarded more than \$7.5 million in scholarships to 580 Edison Scholars. The program is funded entirely by shareholder dollars, not by customers.

Applicants must have a cumulative 3.0 GPA, plan to pursue studies in STEM fields at an accredited four-year college or university, and demonstrate financial need. Read the stories of some of the [Edison Scholars we have supported](#).



"I hope to evolve society economically, socially, and culturally through technology, creative thinking, and self-awareness. By traveling the world to gain new knowledge and perspectives, I can better understand the complex world I live in to one day lead my own tech company dedicated to solving issues plaguing the globe."

— Armani Aguiar, **PRINCETON UNIVERSITY**



"My parents can't help me with school because of financial circumstances. I really want to work hard to make sure I can have a secure future. The scholarship really helps solidify that."

— Keslee Green, **UTAH STATE UNIVERSITY**

2017 COMMUNITY INVESTMENTS

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\$21.8M IN PHILANTHROPIC FUNDING DONATED BY EDISON IN 2017

134k EMPLOYEE VOLUNTEER HOURS

\$2.8M

Value of employee volunteering (based on Independent Sector Valuation)

\$2.3M

Total funds raised by employees

\$177k

Volunteer grants (For every 40 hours volunteered, employees receive \$100 to donate to a nonprofit organization of their choice, up to \$600 a year.)

1,193

Total grants awarded

2,580

Organizations that benefit from employee engagement programs

PUBLIC SAFETY & EMERGENCY PREPAREDNESS



\$1.4M

Total grants awarded to public safety & emergency preparedness

Wildfire relief:
\$290,000

Company donation

Hurricane relief:
\$100,000

Company match & donation

\$82,000

Employee donation

CIVIC ENGAGEMENT



\$6.1M

Grants to support civic engagement

351

grants to support civic-focused programs

\$640,000

in funding to local workforce development programs

EDUCATION



\$11.4M

Grants to support education

\$4.4M

Higher education scholarships

635

Grants to support education

116

Grants to higher education institutions

ENVIRONMENT



\$2.9M

Grants to support the environment

145

Organizations that received environmental grants from Edison

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WORKFORCE

We are working toward a clean energy future powered first and foremost by our diverse team. We aim to create a sense of community and an environment where all people are acknowledged, empowered, and given an opportunity to succeed.

To stay on the cutting edge of the evolving technology landscape, we must build an innovative workforce — a team of people who are able to solve the complex challenges of today and the many challenges that still lie ahead.

Innovation is nothing new to us; it is part of our [legacy](#). As the needs of our customers and communities evolve, we're thinking differently about who we are and what we do as we bring energy to a changing world. We're focused on hiring and developing a diverse workforce of individuals who can help us power the planet while transitioning to a clean and sustainable future.

A FOCUS ON WELLNESS

Of course we believe in competitive pay and benefits, but we also believe in wellness, with programs designed to help keep employees healthy and safe. For example, we reimburse employees up to \$400 annually for activities to improve and maintain health, such as gym memberships and nutrition counseling by registered dietitians. Our Wellness Ambassador initiative has 800 employee advocates who support and promote wellness activities throughout our workforce. We are also introducing new programs to help employees build resistance to injury and reduce stress on the body.

For our focus on preventive healthcare, Edison International has been recognized two years in a row as a Gold Level Recipient of the American Heart Association's Fit-Friendly Worksite Recognition program.

2017 AWARDS

**CORPORATE
CHAMPION**

The Women's Forum
of New York

**DIVERSITY
BEST
PRACTICES**

Diversity Best Practices
Inclusion Index

**BEST
PLACES
TO WORK**

Disability Equality Index

**TOP 15
EMPLOYEE
RESOURCE GROUPS**

LatinaStyle, Inc

**BEST PLACES
TO WORK FOR
LGBT
EQUALITY**

Human Rights Campaign's
Corporate Equality Index
100% score

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ENGAGED WORKFORCE

To lead our industry and reach our goals, we must have an engaged workforce. Numerous studies have demonstrated that engaged employees are typically happier, more productive, and more successful in their work. While we already have a high rate of engagement (learn more below), we always look for ways to improve.

X-Change

X-Change is our grassroots, employee-driven program that encourages employees at all levels of the company to initiate improvements. Employees identify problem areas or inefficiencies in their day-to-day work, submit their ideas, and then implement them.

The program allows participants to turn ideas into reality, solving business problems while making connections across the organization and developing new skills. In 2017, more than 30 projects were completed.

Engagement surveys

We regularly survey employees to hear their views on working at our company. In 2017, employee engagement was a company strength, with a favorability score of 75% — that's 5% higher than external benchmarks of all industries and 13% higher than utility company peers. Pride in the company was the most favorably rated item at 84%. Although we have increased our overall engagement score, survey results indicate that some employees have concerns about our future. We're addressing this feedback by educating employees on the direction of our industry and the related opportunities and challenges.

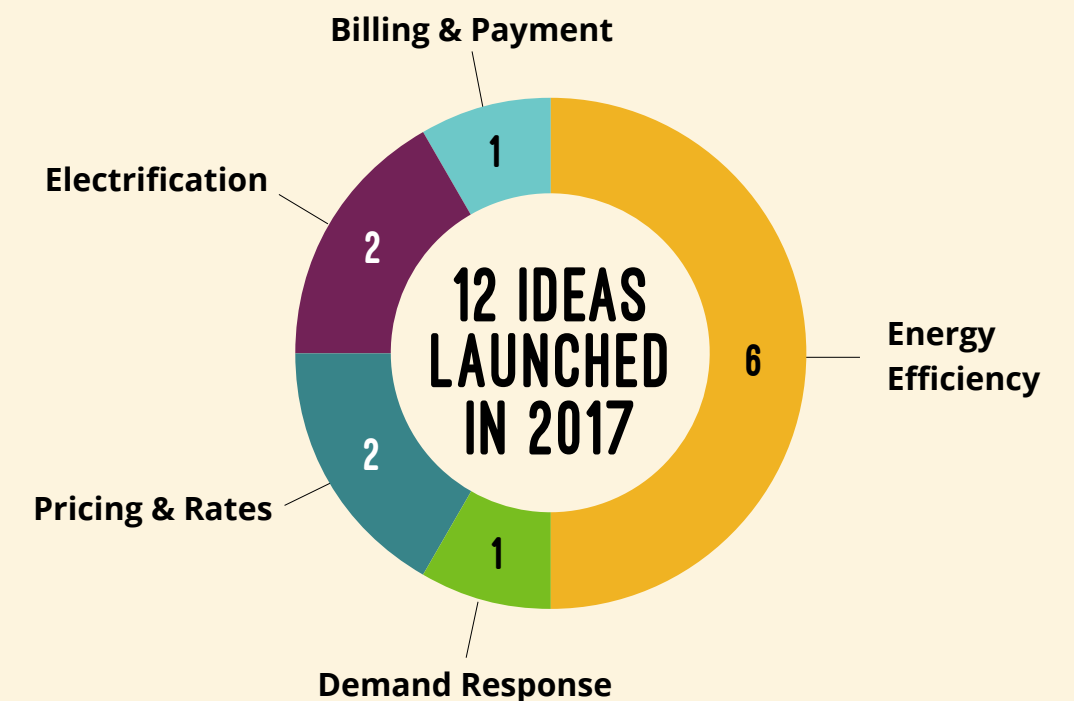
Labor relations

About one-third of our employees are covered by collective bargaining agreements. We work together with unions and our represented employees so we can meet our shared goal: serving the energy needs of our customers.

In 2017, SCE and International Brotherhood of Electrical Workers (IBEW) Local 47 partnered to implement the IBEW Code of Excellence (COE), a program that emphasizes high quality work, craftsmanship, and safety. The COE, which reinforces SCE's longstanding company values and our

SCE IDEAS

SCE encourages employees and customers to submit ideas for new and innovative technologies, products, and services that could improve the way we work together or help customers save energy and reduce costs. Ideas, which are submitted through a special [website](#), are vetted and launched, as appropriate. Between the program's launch in 2015 and 2017, 1,301 ideas were received and 63 launched. Many of the 337 ideas received in 2017 supported our clean energy vision, and 10 of the 12 ideas launched in 2017 came from employees.



SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) SCHOLARSHIPS

At Edison International, we are helping to develop the workforce of tomorrow. In 2017, we were proud to continue our [Edison Scholars](#) program. We are also committed to helping our community partners with their career development and scholarship programs, including [Goodwill Southern California](#) and [Great Minds in STEM](#), a national nonprofit organization based in Monterey Park, California, that specializes in delivering STEM programming to underserved and underrepresented communities. In 2017, our \$50,000 shareholder-funded grant supported Great Minds in STEM's conference and merit-based scholarships to technically talented youth in these communities. Edison International's contribution funded 17 scholarships.

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aspiration to be an industry leader, provides a set of expectations about our duties and behaviors on the job. All IBEW members are held to these expectations and hold their peer members accountable to the strict standards.

The COE is just the latest program jointly developed by our company and the unions. In 2012, we created the Craft Driven Safety Program (CDSP), which focused on reducing on-the-job injuries and improving our safety culture. The CDSP clarified safety behavior expectations, established a corrective action framework for safety-related performance issues, and harnessed the power of peer-to-peer accountability in the field. While there is more work to be done in ensuring every employee goes home safe, between 2012 and 2017, injury rates dropped by nearly 54%. Learn more about [worker safety](#).

DIVERSITY & INCLUSION

We recognize the power of diversity. Our communities are comprised of people from different backgrounds, and we want our workforce to reflect this same diversity. We believe people with unique experiences and backgrounds coming together to find solutions makes us stronger. These beliefs are evident in everything we do, from our focus on [hiring veterans](#), to our [philanthropic activities](#) to our [partnerships with diverse suppliers](#).

We are especially focused on gender parity and have endorsed national initiatives working on parity in compensation practices and corporate leadership. For example, in 2016, we joined the [Paradigm for Parity Coalition](#), a coalition of business leaders dedicated to addressing the corporate leadership gender gap. Edison International has also signed onto other diversity and inclusion commitments, including through the Edison Electric Institute and the American Bar Association.

Inclusive leadership

Diversity and inclusion means much more than numbers and compliance. Embracing diversity of thought, experience, and perspective leads to greater creativity, innovative products and programs, and a higher performing workforce.

As part of this commitment and in conjunction with our membership in the Paradigm for Parity Coalition, we have been focused on supporting women and diverse employees through recruitment and outreach, unconscious bias workshops, and other activities.

We also have taken a strong stand against sexual harassment. This past year saw news headlines filled with disturbing revelations of workplace harassment, intimidation, and sexual abuse. It's unrealistic to think this isn't impacting our employees and their families and friends.

DIVERSITY DATA*	2015	2016	2017
Full-time employees (Edison International)	12,777	12,390	12,521
White	43%	43%	43%
African-American	8%	7%	7%
Hispanic/Latino	33%	33%	33%
Asian	13%	13%	13%
American Indian/Alaskan native	1%	1%	1%
Pacific Islander/Native Hawaiian	<1%	<1%	<1%
Two or more races	2%	2%	2%
Diverse background as % of workforce	57%	57%	57%
Diverse background as % of management	44%	45%	47%
Diverse background as % of executives	29%	31%	29%
Females as % of workforce	32%	30%	30%
Females as % of management	23%	23%	24%
Females as % of executives	30%	30%	27%

* Data as of December 31 for each calendar year.

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As a company, we felt it was time we had our own pledge, one declaring that we are united as a team and that we will care for and help each other stay safe physically and emotionally. We have an opportunity to live all of our values and set the bar at no tolerance for any form of harassment or abuse at our company.

In early 2018, we encouraged all employees to sign our We Stand Together Pledge [see right] and to join in recommitting to our values. When we value and respect each other as a community, we are strong.

Employee Resource Groups

Employee Resource Groups (ERGs) support, promote, and drive a diverse and inclusive work environment while offering unique perspectives and insights. Providing a platform for employees to voice their ideas and concerns on business, workplace, and the marketplace is a cornerstone of our culture, and ERGs have played a critical role in fostering this for more than 40 years. Today, we support 11 ERGs with more than 4,000 total members.

These employee-led organizations represent different cultures, traditions, ethnicities, sexual orientations, genders, generations, life experiences, and outlooks and offer opportunities to get involved and give back. ERGs drive continuous learning that contributes to increased employee, business, and community engagement.

During 2017, ERGs highlighted the importance of gender parity in today's ever-changing workplace; contributed to our corporate initiative to cultivate both a physical and psychological safe culture through inclusion; and promoted our company strategy to build a clean energy future by showcasing transportation electrification, among many other activities.

OUR PLEDGE

We stand together because treating everyone with dignity and respect is the right thing to do. We stand together actively and courageously to ensure that our fellow employees are safe from harm, regardless of their job, level, race, ethnicity, gender, or who they love.

We pledge to:

- Recognize and guard against sexual harassment and predatory behaviors.
- Ensure everyone has a voice and can speak up without fear of retaliation when they perceive unethical or disrespectful behaviors.
- Ensure everyone is able to come to work feeling safe to be who they are and to be heard.
- Be open to receiving feedback from others about the impacts, often unintended, of our actions or words.
- Care about and respect our fellow employees — every day!

We remain committed to diversity and to the inclusion of people regardless of their religion, race, ethnicity, age, gender, sexual orientation, or any other facets that make us unique. We recognize that it is these differences that make us stronger as a company and as a nation. Consistent with our values of integrity, teamwork, and notably, respect — we value the diversity of our communities. We seek to have our team reflect that diversity. Nothing will change that.”

— Pedro J. Pizarro, **EDISON INTERNATIONAL CEO**

2017 ERG HIGHLIGHTS

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The Women's Roundtable ERG held its annual Season of Service event on August 20, 2017, at the Columbia Memorial Space Center in Downey, California, assisting 40 girls from the center's STEM club with various projects related to the rare total solar eclipse that occurred the following day.



NextGen, an ERG focused on the evolving electric power industry, hosted SCE's first-ever Transportation Electrification Expo. The event (see photo) included EV manufacturers as well as charging station vendors.



Valor, Edison's ERG for veterans, strives to educate and promote awareness and understanding of the roles and contributions made by active and nonactive military personnel. More than 100 Edison employees attended a Veterans Day presentation by Vernice "FlyGirl" Armour, the Marine Corps' and America's first African-American female combat pilot.



Latinos for Engagement, Advancement & Development (LEAD) was recognized by LATINA Style, Inc., as one of the Top 15 ERGs in the nation for its excellence in corporate leadership, mentorship, and dedicated work in the community. LEAD was also named as a Top 3 ERG by the United States Hispanic Chamber of Commerce.



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Supplier diversity

Supplier diversity is important to our mission to safely provide reliable, affordable, and clean energy to customers. Small and diverse business enterprises have been part of SCE's supply chain for nearly 40 years.

As SCE's supplier diversity program has evolved over the decades, we've seen firsthand how providing procurement opportunities to more small and diverse businesses has made us better, stronger, and more successful. These productive partnerships have also contributed to more robust economies and healthier communities. This is especially important as a large number of California's disadvantaged communities are in our service area.

As our industry undergoes dramatic transformation, our diverse partners will play an even greater role in ensuring we remain a leader. Their innovative viewpoints and ideas will help us focus on opportunities in clean energy, efficient electrification, and building and maintaining the grid of the future.

In 2017, SCE spent more than \$1.72 billion, or about 44% of SCE's overall spend, procuring goods and services from diverse businesses. This represents the fifth consecutive year that we exceeded our 40% aspirational spend goal.

We will continue our investments in supplier development, including technical assistance and mentoring, and targeted outreach so diverse firms have access to more contract opportunities and can grow with us. Learn more about [supplier diversity at SCE](#).

SUPPLIER DIVERSITY HIGHLIGHTS

\$1.72 BILLION, or 43.92%, spent with diverse firms

600+ diverse suppliers

\$329 MILLION+ diverse subcontracting spend

150+ outreach events sponsored and/or supported

\$1.6 BILLION of SCE's capital market transactions co-managed by 13 diverse firms

11 diverse firms among SCE's Top 25 suppliers

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GOVERNANCE & ETHICS

We believe in doing the right thing. Conducting ourselves with honesty and integrity is important to us and is something we uphold in every facet of our business.

Good corporate governance, effective risk management, a culture centered on ethical behavior, and stringent compliance are critical to our business success.

CORPORATE GOVERNANCE

Edison International's Board of Directors provides independent oversight of the management of our organization with the best interests of shareholders in mind. Our Board members are elected annually by shareholders and follow Corporate Governance Guidelines that outline the Board's policies for the governance of the company.

Board members are selected based on criteria set forth in our Corporate Governance Guidelines, including a reputation for the highest ethical standards, recognized positions of leadership, and business acumen. Our Board values the diversity of ethnicity, gender, skills, backgrounds, and qualifications on the Board. Of the 10 directors currently on our Board, three are female (30%) and four are from diverse ethnic backgrounds (40%), which exceeds the average gender and ethnic diversity at S&P 500 companies (22% and 17%, respectively).

The Board has also shown a strong commitment to refreshing its membership in recent years. The Board's average tenure is 4.5 years compared to an average of 8.2 years for S&P 500 companies. Seven of our 10 members have served for less than six years, including two new independent directors in 2017.

Our CEO is the only non-independent member of the Board. In 2016, Edison International's Board separated the chair and CEO positions and appointed an independent chair, believing it to be the most appropriate leadership structure for our organization. The separation allows our CEO to focus on the day-to-day management of the business and execute our strategic priorities, while the independent chair focuses on leading the Board, providing counsel to the CEO, and facilitating the Board's independent oversight of management.

Learn more about our Board members and [corporate governance](#).

SHAREHOLDER ENGAGEMENT

We regularly seek input from our shareholders. Each year we reach out to our major institutional shareholders to discuss the company's corporate governance, executive compensation, and business strategy. In 2017, we engaged with our major shareholders to discuss, among other issues, our Board oversight and disclosure related to environmental, social, and governance (ESG) issues. We received feedback on information used by shareholders to evaluate ESG practices and their desired disclosure. This input was shared with the Nominating and Corporate Governance Committee and we also enhanced our voluntary ESG disclosure. Learn more about how we are [Managing Sustainability](#).

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RISK MANAGEMENT

Our company has a culture of decision-making informed by risk management. This starts with strong governance. Our Board of Directors oversees our company's enterprise risk management (ERM) process and monitors identified risks.

Our ERM team is responsible for the day-to-day management of the process and ensures, with oversight from senior management, that identified risks are appropriately linked to our strategy, budgeting, and goal-setting processes. Our ERM team also assists individual operating units with analysis to identify risks; treatment of identified risks, such as implementing process controls or insurance requirements; monitoring and reporting; and recovery and response in the event of an emergency.

At SCE, we are building on the "treatment" part of our risk management process by incorporating risk assessments more prominently in our future rate case applications. In 2018, we are preparing our first Safety Model Assessment Proceeding (SMAP) and Risk Assessment and Mitigation Phase (RAMP) proceeding filings in line with CPUC guidance. These assessments will help us and our regulators ensure that resource requests and approvals appropriately consider and mitigate risk.

EDISON HELPLINE

Our employees are encouraged to seek advice or report concerns of misconduct to their immediate supervisors or managers. If they do not feel comfortable doing so, employees can call the Edison HelpLine or visit a dedicated website to report these concerns or to seek advice. The HelpLine is available seven days a week, 24 hours a day. When contacting the HelpLine, employees can choose to identify themselves or remain anonymous. We do not tolerate retaliation against anyone for making a report or for seeking advice. Allegations of misconduct or violations of the Employee Code of Conduct or company policy are taken seriously and investigated promptly and efficiently in a fair and objective manner. If an allegation of misconduct is substantiated, appropriate corrective action is taken.

ETHICS & COMPLIANCE

Our Ethics and Compliance Program supports the company's core values. The goal of the program is to facilitate and sustain a culture where acting ethically and obeying the law is the expected and everyday course of action for employees and our company's business partners. The program sets forth policies, procedures, and compliance management practices that we apply in order to meet our commitment to conduct business in an ethical and compliant manner.

The Ethics and Compliance Program utilizes a companywide, integrated Compliance Management Framework that includes the following elements:

- Prevention — identifying, interpreting, and implementing compliance requirements and ensuring that employees understand their roles and responsibilities related to compliance.
- Detection and response — monitoring, investigating, and reporting on compliance processes, practices, and outcomes to provide reasonable assurance that operations are carried out in accordance with applicable requirements.
- Improvement — updating policies and practices and seeking out best practices in managing compliance requirements.

Our [Employee Code of Conduct](#) defines expectations of ethical behavior in specific workplace situations and helps employees find additional guidance when needed. Each year, our employees certify their compliance with the Employee Code of Conduct and participate in ethics and compliance training. In 2017, we expanded our anti-harassment training requirement to include all employees.

We expect all company leaders to set an ethical tone and encourage employees to speak up and raise concerns. Leadership training helps managers and supervisors know their roles and responsibilities in complying with laws, regulations, and company policies, as well as demonstrating and promoting a strong ethical culture in their workgroups.

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SCE's Grid Control Center

We also have a team of Ethics Ambassadors, who are employee representatives from across the company selected to help promote ethics and compliance within their workgroups and to provide the Ethics and Compliance Program with input and insight into company culture.

Supplier Code of Conduct

Our [Supplier Code of Conduct](#) contains principles and standards recognized and adopted by a wide spectrum of industries. We expect our suppliers, as well as their employees, sub-suppliers, and subcontractors, to follow this Supplier Code of Conduct and to promote ethical conduct at all times.

We monitor approximately 2,600 suppliers and other third parties for governmental watch lists, adverse media, and other potential risk exposures. Doing so helps to ensure that the organizations with which we interact are reputable business partners.

CYBER & PHYSICAL SECURITY

Our nation's electric grid is essential to national security — and the economy. We work continuously to defend this extensive, complex network of generation, transmission, and distribution infrastructure from cyber threats. We deploy the latest in cybersecurity technology to secure the nation's electric grid and protect our customers' personal information.

To combat advanced, persistent threats, we use a multi-layered strategy that combines tools, technologies, and processes with a robust cybersecurity awareness program for our employees and supplemental workers. A close collaboration of shared intelligence across local, state, and federal government, as well as other utilities, strengthens our protective defenses.

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In addition, we partner with the government, national laboratories, and other utilities on forward-leaning research and development initiatives to explore the next generation of industrial control systems cybersecurity.

Grid design is the backbone of grid security. SCE's electrical system is designed with safety and security as priorities. Layered into grid security are a number of cybersecurity controls to combat potential interference from online threats. SCE's highly skilled and trained engineers continually study, evaluate, and prioritize the utility's resources and infrastructure to keep the grid safe and reliable and to mitigate any security risks.

In addition to security controls, we develop and test our incident response plans through participation in cyber-preparedness drills such as the North American Electric Reliability Corporation's (NERC) GridEx, which allows participating government agencies and critical infrastructure organizations to measure their readiness for a potential attack on the grid. In addition, SCE runs periodic incident response plan scenarios, designed by the Federal Emergency Management Association (FEMA), to test internal processes and systems.

We have also established a cybersecurity oversight group consisting of a multidisciplinary senior management team and an independent member of our Board of Directors to provide governance and strategic direction for the identification, protection, and detection of cybersecurity risks to the company. The Board of Directors receives regular reports on cybersecurity risks and activities.

POLITICAL CONTRIBUTIONS

Elected officials and ballot measures can have a significant impact on our company, customers, shareholders, and employees. We actively participate in the political process by making contributions to candidates, political parties, and political action committees. All political contributions are guided by our policy and reflect company interests and not those of individual officers or Board directors. We only make political contributions that comply with the law and that adhere to our [Employee Code of Conduct](#).

All political contributions are approved by our Senior Vice President of Government Affairs or CEO, reviewed by the Audit Committee of our Board of Directors, and publicly disclosed, including on our [website](#).

In 2017, we were recognized as a "Trendsetter" by the Center for Political Accountability, a nonprofit, nonpartisan organization working to bring transparency and accountability to corporate political spending, in its [Index of Corporate Political Disclosure and Accountability](#). The Trendsetter category highlights leaders in the S&P 500 for their commitment to transparency and accountability.

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ENVIRONMENT

We know that a long-term commitment to the environment must start in our own backyard. With close to 6,000 vehicles in our fleet and over 1,300 SCE facilities within a 50,000-square-mile service area across a wide diversity of ecosystems, we take our commitment to reducing our environmental footprint very seriously.

GREENING OUR FLEET

In line with our focus on efficient electrification, we are committed to reducing our carbon footprint by electrifying our fleet and supplying EV charging ports for our company fleet vehicles, as well as for our employees and visitors. This is not a new commitment. In 2014, we were a driving force behind industry group Edison Electric Institute's white paper, "[Transportation Electrification: Utility Fleets Leading the Charge](#)," which called for an industrywide commitment to devote at least 5% of annual fleet acquisition budgets to PHEVs.

We led the commitment then and are exceeding that commitment today. In 2017, roughly 19% percent of SCE's fleet budget was invested in PHEVs and technologies. As of December 2017, we had 432 vehicles that were electrified or included plug-in technology, which is 7.2% of our total fleet of 5,961 vehicles. With the inclusion of hybrid EVs, this proportion increases to 10.7%.



SCE is installing electric power takeoff systems on its fleet of bucket trucks.

As an example of how we are greening our fleet, we are installing electric power takeoff systems (ePTO) on our bucket trucks, which our distribution crews use to service power lines throughout our service area. This means that trucks no longer need to keep their engines running for the hydraulic lifts to work, reducing CO₂ emissions and making job sites quieter to the benefit of crews and the surrounding community. For some parts of our fleet, finding the right electrification option is more challenging, and we are working with automakers and others in the industry to explore a path forward.

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Fleet charging infrastructure

To support the growing number of EVs in our fleet, we have invested in more than 300 fleet-available charging ports at our facilities.

NUMBER OF FLEET CHARGING PORTS



NOTE: Fleet charger inventory excludes vehicle specific forklift and off-road equipment chargers.

Employee charging infrastructure

SCE is also providing incentives to help employees make the switch to EVs. In 2015, we began installing EV chargers at our facilities for the convenience of employees and visitors. At the end of 2017, we had 154 employee-accessible EV chargers installed at 24 facilities. SCE's employee EV charging infrastructure has resulted in approximately 64,300 charging sessions, which equals over 1.3 million pounds of CO₂ saved and 66,530 gallons of gasoline saved. Between 2016 and 2017, program use increased more than six times in terms of the number of EV charging users based on unique phone numbers entered into the system.

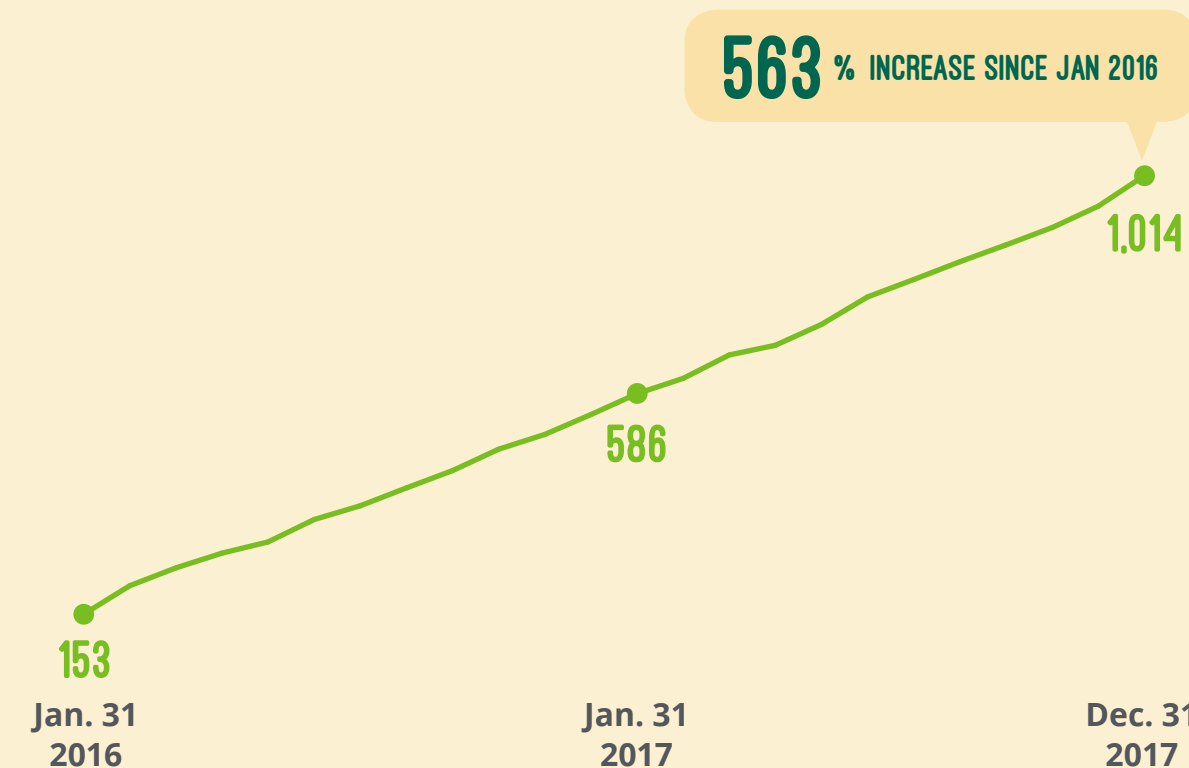
SCE is expanding the program and doubled the number of employee EV chargers between third quarter 2017 and second quarter 2018.

Call-in center employees "at home"

Employees in certain job functions work remotely, which reduces our carbon footprint both on the road and in the office. SCE's work at home program for customer call-in center employees started with a pilot in 2015 with nine agents. Currently, the program has 141 Work@Home Advisors, which totals about 34% of our front line call center workforce. These advisors continue to be our top performers across all of our metrics and report high levels of morale and job satisfaction.

EMPLOYEE CHARGING INFRASTRUCTURE

● Cumulative unique users based on phone numbers inputted into system



GREENING OUR PROCESSES

Our business includes a wide range of strategic vendor partnerships. From procurement to logistics to transportation, we are constantly reviewing and refining our processes to contribute to a healthier environment.

Supplier Integration Initiative

Our Supplier Integration Initiative aims to boost efficiency and streamline operations within our supply chain in order to conserve resources. One area where we've been particularly successful is transportation. We have reduced the number of monthly inbound trucks from suppliers by as much as 70%, lowering fuel consumption and CO₂ emissions by up to 248 metric tons.

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Increasing backhauls

Increasing efficiency by carrying cargo on a return journey is another way we are reducing our footprint. In 2017, SCE's Material Transport group incorporated 1,000 backhauls into their daily routing. As a result, SCE reduced the number of miles driven by more than 78,000.

Sulfur hexafluoride (SF₆) reductions

SCE has been proactively seeking ways to reduce emissions of sulfur hexafluoride (SF₆), a potent GHG commonly used in electrical equipment. In 2018, we introduced a new 72-kilovolt vacuum circuit breaker, which does not require SF₆ gas, to help us lower our SF₆ inventory.

Electric Utility Industry Sustainable Supply Chain Alliance

To help guide our actions, SCE is a member of the Electric Utility Industry Sustainable Supply Chain Alliance. It was formed in 2008 by several electric utility supply chain executives who recognized the potential benefits of working together to green the electric utility industry supply chain and address common challenges around sustainability. We are in the process of implementing several initiatives from this group, including asking our suppliers for more details about their sustainability practices and using their answers in considering bids.

GREENING OUR FACILITIES

At SCE, we are greening our facilities. All of our facilities, including service centers and operations buildings, use electricity as a primary energy source, with only 16% of our facilities using nominal amounts of natural gas. Additionally, we are undertaking efforts to make our facilities more efficient and to employ energy-efficiency measures. In 2017, SCE began an employee-driven initiative to identify and implement ideas to improve SCE's environmental footprint and demonstrate that we are "walking the talk" toward a clean energy future. As part of this effort, SCE has calculated a GHG baseline for internal operations and fleet vehicles and is conducting energy audits of its own facilities.

SOUTHERN CALIFORNIA EDISON LEED-CERTIFIED FACILITIES



LEED-certified facilities

Since 2010, all of our new buildings have been designed to a minimum LEED (Leadership in Energy and Environmental Design) Silver equivalent design standard. For example, our Wildomar Service Center has a LEED Platinum designation, the highest level available to buildings in the areas of energy efficiency and sustainability. The 19-acre complex is 39% more efficient than similar buildings with minimum standards because of features such as state-of-the-art energy-efficient lighting, solar panels, storm water bio-retention basins, vegetated swales, inlet filters, and underground storm water detention.

PROTECTING BIODIVERSITY & HABITAT

We carefully protect species, habitats, and ecosystems everywhere we operate. Whether we're upgrading and expanding infrastructure for future reliability or repairing poles or wires damaged by storms, environmental protection is always a priority.

Habitat management

Along the coast of Southern California, native species are finding fertile homes in environmental projects designed to offset impacts on marine life by the ocean-water cooling system at our now-retired San Onofre plant. The San Dieguito Wetlands Restoration Project revitalized 150 acres of coastal wetlands, creating a fish nursery and a refuge for migratory waterfowl and endangered species. Nearby, our 174.4-acre artificial giant kelp reef is thriving. As the nation's first sustainable artificial kelp forest, it attracts countless species of coastal fish and invertebrates.

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We also manage 20,000 acres of Sierra Nevada forestland near Shaver Lake and Dinkey Creek, east of Fresno. Our efforts are restoring forest conditions to their pre-1850 status, and are helping wildlife populations — including breeding bald eagles and spotted owls — to thrive. Our uneven-aged approach to forestry produces proper stocking levels, and our prescribed fire program controls fuel loading and prevents wildfires. In addition, our community-based approach to forest management has fostered programs, such as Adopt-a-Cove and Adopt-a-Trail, which have flourished for 15 years, leading to strong partnerships, a healthier forest, and a safer community for everyone.

Edison Nursery and Camp Edison

The Edison Nursery is largely used to mitigate company projects and to help maintain a healthy forest near Shaver Lake, a reservoir in the Sierra National Forest in Fresno County. The reservoir was formed with the construction of the Shaver Lake Dam, which was built by SCE in 1927 as part of its Big Creek Hydroelectric system.

As part of our forestry operation at Shaver Lake, we grow 50,000 to 70,000 pine seedlings annually. To accompany our Tehachapi Renewable Transmission Project (TRTP) — a transmission upgrade project spanning from Palmdale/Lancaster to Ontario/Mira Loma — we are currently growing 9,000 to 11,000 oak seedlings.

In 1963, Edison International built Camp Edison in a pine forest on the western shore of Shaver Lake. We are proud to operate the camp today with 252 sites, water, electricity, cable TV, Wi-Fi, modern restrooms, a



general store, and a marina. Surrounding the camp are cross-country ski trails and 40 miles of maintained trails for hiking, biking, and horseback riding. In 2017, we had about 1 million visitor days at Camp Edison and Shaver Lake.¹

¹ A visitor day is a standard unit of measurement within the recreation industry and is designed to capture each person who uses our facilities for at least four hours. Thus, a family of four at our facilities for one day would equal four visitor days.

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Sustainable landscaping projects

We have made great strides in limiting the impact of our activities at our facilities. Since 2008, we have completed 11 sustainable landscape projects. These innovative projects have preserved natural resources and reduced our carbon footprint.

At the Villa Park substation in the City of Orange, for example, we have dramatically cut annual water use and eliminated dry-weather runoff. At our award-winning Gateway Business Center in Irwindale, we have planted 9,525 plants, removed and recycled all concrete and asphalt, created safe outdoor walking paths and a rainwater harvesting system, and reduced storm water runoff.

OUR 11 SUSTAINABLE LANDSCAPE PROJECTS SINCE 2008 HAVE

-  Planted over **26,000** drought-tolerant trees and shrubs
-  Saved an average of **63%** on irrigation water
-  Reduced storm water run-off by **84%**
-  Improved lighting output and efficiency by switching to LED lamps
-  Saved **11.6 MILLION** kWh annually

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GLOBAL REPORTING INITIATIVE CONTENT INDEX

This report references disclosures from the Global Reporting Initiative (GRI) Standards 100, 200, 300, and 400 (2016), as well as disclosures from the GRI Electric Utility Sector Supplement. A full list of the specific Standards and disclosures referenced is detailed at the end of the index.

The following index provides the location of information in this report and other public documents that addresses GRI indicators relevant to our business. Please visit the [GRI website](#) for the full text of the indicators and other information on the guidelines.

Disclosure #	Disclosure Title	Report Section or Other Documentation
GRI 102: GENERAL DISCLOSURES 2016		
Organization profile		
102-1	Name of the organization	Company Overview, p. 5
102-2	Activities, brands, products, and services	Company Overview, p. 5
102-3	Location of headquarters	Company Overview, p. 5
102-4	Location of operations	2017 Edison International Form 10-K, p. 3
102-5	Ownership and legal form	2017 Edison International Form 10-K, p. 3
102-6	Markets served	2017 Edison International Form 10-K, pp. 12-16
102-7	Scale of the organization	2017 Edison International Annual Report, inside cover
102-8	Information on employees and other workers	Diversity & Inclusion, p. 47
102-9	Supply chain	Company Overview, p. 5
102-10	Significant changes to the organization and its supply chain	2017 Edison International Annual Report, pp. 3-10 2017 Edison International Form 10-K, pp. 3-10

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102-12	External initiatives	About This Report, p. 5 Reporting & Disclosure, p. 9 Limiting Global Warming to 2 Degrees Celsius, p. 14 National Efforts to Further Electrification, p. 21 Environmental Justice, p. 31 Building Climate Resilience, p. 38 Diversity & Inclusion, p. 47
102-13	Membership of associations	National Efforts to Further Electrification, p. 21 Diversity & Inclusion, p. 47 Greening Our Processes, p. 56
Strategy		
102-14	Statement from senior decision-maker	CEO Letter, p. 4
102-15	Key impacts, risks, and opportunities	Environmental, Social & Governance (ESG) Materiality, p. 8-9 2017 Edison International Annual Report, pp. 1-2, 28-29, 34
Ethics & integrity		
102-16	Values, principles, standards, and norms of behavior	Company Overview, p. 5 Edison International Employee Code of Conduct
102-17	Mechanisms for advice and concerns about ethics	Edison HelpLine, p. 52 Edison International Employee Code of Conduct
Governance		
102-18	Governance structure	Corporate Governance
102-21	Consulting stakeholders on economic, environmental, and social topics	Public Policy Engagement, p. 16 Edison International & Southern California Edison 2017 Joint Proxy Statement, pp. 2, 27
102-22	Composition of the highest governance body and its committees	Governance & Ethics, p. 51
102-23	Chair of the highest governance body	Governance & Ethics, p. 51
102-24	Nominating and selecting the highest governance body	Corporate Governance Guidelines
102-25	Conflicts of interest	Edison International Employee Code of Conduct, p. 7
102-29	Identifying and managing economic, environmental, and social impacts	Environmental, Social & Governance (ESG) Materiality, p. 8-9 Governance & Ethics, p. 51

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102-30	Effectiveness of risk management processes	Edison International & Southern California Edison 2017 Joint Proxy Statement, p. 9 Risk Management, p. 52
102-33	Communicating critical concerns	Corporate Governance
102-35	Remuneration policies	Incentives for Performance, p. 9 Corporate Governance Edison International & Southern California Edison 2017 Joint Proxy Statement, p. 35
102-36	Process for determining remuneration	Incentives for Performance, p. 9 Corporate Governance Edison International & Southern California Edison 2017 Joint Proxy Statement, pp. 34-35
102-37	Stakeholders' involvement in remuneration	Edison International & Southern California Edison 2017 Joint Proxy Statement, pp. 24-27
Stakeholder engagement		
102-41	Collective bargaining agreements	Labor Relations, p. 46
102-42	Identifying and selecting stakeholders	Environmental, Social & Governance (ESG) Materiality, pp. 8-9 Public Policy Engagement, p. 16 Environmental Justice, p. 31 Customer Satisfaction, p. 39 Customer & Community Engagement, p. 40 Engagement Surveys, p. 46 Shareholder Engagement, p. 51
102-43	Approach to stakeholder engagement	Environmental, Social & Governance (ESG) Materiality, pp. 8-9 Public Policy Engagement, p. 16 Environmental Justice, p. 31 Customer Satisfaction, p. 39 Customer & Community Engagement, p. 40 Engagement Surveys, p. 46 Shareholder Engagement, p. 51

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102-44	Key topics and concerns raised	Our Material ESG Issues, p. 8 Public Policy Engagement, p. 16 Environmental Justice, p. 31 Customer Satisfaction, p. 39 Customer & Community Engagement, p. 40 Engagement Surveys, p. 46 Shareholder Engagement, p. 51
Reporting practices		
102-45	Entities included in the consolidated financial statements	2017 Edison International Form 10-K, pp. 3-5
102-49	Changes in reporting	2017 Sustainability Scorecard, p. 10
102-50	Reporting period	About This Report, p. 5
102-51	Date of most recent report	About This Report, p. 5
102-52	Reporting cycle	About This Report, p. 5
102-53	Contact point for questions regarding the report	About This Report, p. 5
GRI 201: ECONOMIC PERFORMANCE 2016		
201-1	Direct economic value generated and distributed	2017 Edison International Annual Report, pp. 35-12 2017 Edison International Form 10-K, pp. 3-5, 12
201-2	Financial implications and other risks and opportunities due to climate change	Leading the Transformation, p. 14 Building Climate Resilience, p. 38 2017 Edison International Annual Report, pp. 1,9, 11, 26-27, 120 2017 Edison International Form 10-K, pp. 1, 9, 11, 36-37, 120 Edison International & Southern California Edison 2017 Joint Proxy Statement, pp. 1, 10
201-3	Defined benefit plan obligations and other retirement plans	2017 Edison International Form 10-K, pp. 7-13, 32, 80
GRI 203: INDIRECT ECONOMIC IMPACTS 2016		
203-1	Infrastructure investments and services supported	Customers & Communities, p. 36
203-2	Significant indirect economic impacts	2017 Community Investments, p. 44
GRI 304: BIODIVERSITY 2016		
304-3	Habitats protected or restored	Protecting Biodiversity & Habitat, p. 57

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GRI 305: EMISSIONS 2016		
305-1	Direct (Scope 1) GHG emissions	2017 Sustainability Scorecard, p. 10
305-2	Energy indirect (Scope 2) GHG emissions	2017 Sustainability Scorecard, p. 10
305-3	Other indirect (Scope 3) GHG emissions	2017 Sustainability Scorecard, p. 10
305-4	GHG emissions intensity	Clean Energy, p. 17
305-5	Reduction of GHG emissions	2017 Sustainability Scorecard, p. 10
305-6	Emissions of ozone-depleting substances (ODS)	2017 Sustainability Scorecard, p. 10
305-7	Nitrogen oxides (NO _x), sulfur oxides (SO _x), and other significant air emissions	2017 Sustainability Scorecard, p. 10
GRI 307: ENVIRONMENTAL COMPLIANCE 2016		
307-1	Non-compliance with environmental laws and regulations	2017 Sustainability Scorecard, p. 10
GRI 403: OCCUPATIONAL HEALTH AND SAFETY 2016		
403-2	Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities	2017 Sustainability Scorecard, p. 10 Safety Performance, p. 33
403-4	Health and safety topics covered in formal agreements with trade unions	Labor Relations, p. 46
GRI 405: DIVERSITY AND EQUAL OPPORTUNITY 2016		
405-1	Diversity of governance bodies and employees	Diversity Data, p. 47 Corporate Governance, p. 51
GRI 413: LOCAL COMMUNITIES 2016		
413-1	Operations with local community engagement, impact assessments, and development programs	Working Toward Cleaner Air in the San Joaquin Valley, p. 30 Investing in Our Communities, p. 40-44
413-2	Operations with significant actual and potential negative impacts on local communities	2017 Edison International Annual Report, pp. 36-37
GRI 415: PUBLIC POLICY 2016		
415-1	Political contributions	EIX Corporate Political Contributions January 1 – December 31, 2017

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ELECTRIC UTILITY SECTOR SUPPLEMENT		
Sector Specific General Disclosures		
EU1	Installed capacity, broken down by primary energy source and by regulatory regime	2017 Edison International Annual Report, p. 119
EU3	Number of residential, industrial, institutional and commercial customer accounts	Edison International and Southern California Edison 2017 Financial & Statistical Report, pp. 3-13
EU4	Length of above and underground transmission lines by regulatory regime	2017 At a Glance, p. 7
Sector Specific General Disclosures		
Management Approach	Demand-side management programs including residential, commercial, institutional and industrial programs (former EU7)	Managing Energy for Efficiency & Cost, p. 29 Affordability, p. 38
Sector Specific Product Responsibility Disclosures		
Management Approach	Programs, including those in partnership with government, to improve or maintain access to electricity and customer support services (former EU23)	Customer Choice, p. 29
EU28	Power outage frequency	Reliability, p. 37 Outage Management, p. 38
EU29	Average power outage duration	Reliability, p. 37 Outage Management, p. 38

* This material references the following GRI Standards: 102-01 through 102-10, 102-12 through 102-18, 102-21 through 102-25, 102-29, 102-30, 102-33, 102-34 through 102-37, 102-41 through 102-45, and 102-49 through 102-53 from GRI 102: General Disclosures 2016; 201-1 through 201-3 from GRI 205: Economic Performance 2016; 203-1 and 203-2 from GRI 203: Indirect Economic Impacts 2016; 304-3 from GRI 304: Biodiversity 2016; 305-01 through 305-07 from GRI 305: Emissions 2016; 307-01 from GRI 307: Environmental Compliance 2016; 403-02 and 403-04 from GRI 403: Occupational Health and Safety 2016; 405-01 from GRI 405: Diversity and Equal Opportunity 2016; 413-01 and 413-02 from GRI 413: Local Communities 2016; 415-01 from GRI 415: Public Policy 2016; EU1, EU3, EU4, EU28, and EU29 from the GRI Electric Utility Sector Supplement.