

Key facts

Area of operation	Manages about 95% of the electricity distributed in France; manages the largest grid in Europe
Ownership	Public
Parent organisation	Électricité de France S.A. (EDF), owned by the French government

Growth in distribution network

	2014	2018	2019	CAGR (%)
Line length (km)	XXXXXX	XXXXXX	XXXXXX	XXX
–MV	XXXXXX	XXXXXX	XXXXXX	XXXXXX
–LV	706,106	721,000	725,275	0.54
No. of substations	769,494	787,942	792,291	0.59

Distribution line length by type (%)

Type of line		MV	LV	Total
2014	Overhead bare wire	53.8	11.3	31.3
	Overhead twisted	XX	XX	XX
	Underground cable	XX	XX	XX
2019	Overhead bare wires	XX	XX	XX
	Overhead twisted	XX	XX	XX
	Underground cable	XX	XX	XX

Operational indicators

	2014	2018	2019
Losses (GWh)	XXXXXX	XXXXXX	XXXXXX
SAIDI (MV) (minutes)	XXX	XXX	XXX
SAIDI (LV) (minutes)	61.07	63.87	64.26
SAIFI (MV) (no. of outages/customer)	XXX	XXXX	XXX
SAIFI (LV) (no. of outages/customer)	XXX	XXX	XXX

Growth in electricity sales and consumer base

	2014	2018	2019	CAGR (%)
Electricity sales (GWh)	334,832	XXXXXX	XXXXXX	XXX
No. of consumers ('000)	35,899	XXXXXX	XXXXXX	XXX

Sales and customer base by category, 2019 (%)

	Electricity sales		Customer base	
	GWh	Share (%)	Number	Share (%)
Residential	XXXXXX	43.1	XXXXXX	86.8
Commercial	XXXXXX	11.7	XXXXXX	11.9
Industrial	XXXXXX	17.8 ¹	XXXXXX	0.2
Agricultural	XXXXXX	2.1	XXXXXX	0.3
Others	XXXXXX	25.3	XXXXXX	0.9 ¹

Financial indicators

	2014	2018	2019	CAGR (%)
Revenue (EUR million)	13,548	14,413	14,479	1.34
Net profit (EUR million)	XXX	XXX	XXX	XXX
Capex (EUR million)	XXX	XXX	XXX	XXX
Debt to equity ratio	XXX	XXX	XXX	XXX
Return on equity (%)	XXX	XXX	XXX	XXX

Planned investment and main focus areas

Medium-term targets

Planned capex	EURXX billion/year
Network expansion	About 90% of all the new lines, including 98% of MV lines, will be laid underground.
Linky smart meter	– 35 million meters by 2021 (23.4 million meters installed till 2019); EUR3.9 billion investment (total)
Smart grid	Enedis is involved in a series of smart grid R&D projects and demonstrators in France and Europe. As of mid-2020, it was participating in 20 smart grid demonstrators besides eight European projects. Based on results of these experiments, the DSO is progressively moving from R&D phase to roll-out process.

Notes: 1- estimated; SAIFI data represents average frequency of long unplanned outage per customer; CAGR is calculated for 2014-19 period; Source: Enedis; Global Transmission Research

Key facts

Area of operation	Central, coastal and southern California
Ownership	Private
Parent organisation	Edison International

Growth in distribution network

	2014	2018	2019	CAGR (%)
Line length (km)	XXXXXX	145,600	XXXXXX	XX
No. of substations	XXX	800	XXX	XX

Distribution line length by type (%)

	Type of line	Share (%)
2014	Overhead line	XXX
	Underground cable	XXX
2019	Overhead line	XXX
	Underground cable	XXX

Operational indicators

	2014	2018	2019
Losses (%)	XXX	XXX	XXX
SAIDI (minutes)	XXX	XXXX	XXX
SAIFI (no. of outages)	0.86	0.72	0.87

Growth in electricity sales and consumer base

	2014	2018	2019	CAGR (%)
Electricity sales (GWh)	87,544	87,143	84,654	-
No. of consumers	XXXXXX	XXXXXX	XXXXXX	XX

Sales and customer base by category, 2019 (%)

	Electricity sales		Customer base	
	GWh	Share (%)	Number	Share (%)
Residential	28,985	34.2	XXXXXX	XX
Commercial	XXXXX	XXX	XXXXXX	XX
Industrial	XXXXX	XXX	XXXXXX	XX
Agricultural	XXXXX	XXX	XXXXXX	XX
Others	6048	7.1	XXXXXX	XX

Financial indicators

	2014	2018	2019	CAGR (%)
Revenue (USD million)	13,380	XXXXX	XXXXX	XX
Net income (USD million)	1,565	XXXXX	XXXXX	XX
Debt equity ratio	0.93	XXXXX	XXXXX	XX
Return on equity	0.12	XXXXX	XXXXX	XX

Trend in capex on distribution

	Historical (Actual)						Planned (Projected)			
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Capex on distribution (USD million)	XXXX	XXXX	3,500	3,800	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX

Future focus areas

EV charging - Under is five-year programme, SCE will install charging infrastructure to support the electrification of 8,490 medium- and heavy-duty electric vehicles at 870 sites, which must be fully contracted for by 2024. - Under 'Charge Ready Transport', SCE will install electric infrastructure at customer sites; provide rebates for purchase of charging stations.

Wildfire mitigation plan (2020-22) Capex: USD2.6 billion; O&M: USD1.2 billion; deploy up to 4,500 circuit miles of covered conductor by the end of 2022 (around 1,200 circuit miles achieved so far); increasing use of data capture, data analysis, technology, and automation for wildfire mitigation planning and implementation.

Note: Network data has been converted from miles to km; Financial data is for the entire business operation of the utility and not specific to power distribution, unless stated otherwise; debt to equity ratio is estimated; CAGR is estimated for 2014-19 period; Source: Southern California Edison; Global Transmission Research