

Renewables 2022 Global Status Report **France Factsheet**

Key Headlines:

- **France** is a new entrant to the top 10 solar PV installers (tenth globally and third in Europe) added 3.4 GW of capacity, bringing its total installed capacity to 14.3 GW. Solar PV generation increased around 12% in 2021, accounting for some 3% of the country's total electricity production.
- The leading solar district heating market was France, with three systems (totalling 7.2 MWth).
- **France is setting an end to heating homes with fossil fuels:** no more financial incentives for replacing gas or fuel oil boilers to reduce dependence on fossil fuel.
- New installations of oil-fired boilers in new and existing residential buildings will be banned from mid-2022.
- Instead, France extended an existing tax credit for households that install solar thermal water heaters as well as ground- and air-source heat pumps.
- Sales grew at double-digit rates in several large solar thermal markets including Italy (83%) and France (70%). France dominated the European market for hot water uses, with 110,320 heat pump water heaters sold in 2020.

FRANCE ENERGY STATISTICS

GDP	2630.32 billion US as of 2020
Population	67,390,000
USD invested in renewables in the region	Europe invested 79.7 billion USD in renewables in 2021, equivalent to the GDP of Luxembourg in 2020.
Total installed capacity of renewable power	55.3 GW – Enough to power Poland, a growing trend (4.3 GW additions in 2021).
Renewable energy developments in past 10 years	Renewable energy share in final energy demand increased by 40% between 2009 and 2019.

RENEWABLE ENERGY POLICY SITUATION IN FRANCE

Indicator	Sector and year
Renewable energy targets	<ul style="list-style-type: none"> • Economy-wide RE: 32% by 2030. • Power: 40% by 2030, 27% by 2023 and 33-36% by 2028. • Heating and cooling: 38% by 2030. • Transport: 15% by 2030. France also has a biofuel mandate for 15% biofuels in motor fuel by 2030 and an ICE ban by 2040 including a target for the production of 1 million EVs annually by 2025.
Net-zero target	Net zero by 2050 in law.
Renewable energy policies	
<i>New policies in 2021</i>	<ul style="list-style-type: none"> • Policy forbidding future instalment or replacement of fuel oil boilers in new and existing building announced in 2021. • Pledged to ban coal-fired power generation.
City /subnational targets	<ul style="list-style-type: none"> • More than 24 French cities with 36 RE, P, H&C or T targets in 2021 and 22 French cities with net-zero targets, 2 of which were new or revised in 2021 (Aix-en-Provence and Marseille).
City / subnational policies	<ul style="list-style-type: none"> • Around 9 cities with 16 in RE, P, H&C or T policies in 2021.

GLOBAL RANKINGS

Total renewable power capacity, end-2021 (GW)	Renewable power capacity per person, not including hydropower, end 2021 (GW)	Leaders in renewables share in total final energy consumption, end 2019 (%)
1. China	1. Iceland	1. Iceland
2. USA	2. Denmark	2. Norway
3. Brazil	3. Germany	3. Sweden
4. India	4. Sweden	4. Tajikistan
5. Germany	5. Australia	5. Brazil
11. France	22. France	32. France

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