

## ***Renewables 2022 Global Status Report***

### **Chile Factsheet**

#### **Key Headlines:**

- **Renewables energy shares and targets**
  - Chile's 110 MW Cerro Dominador facility is the first commercial CSP plant commissioned in Latin America (the only one commissioned in 2021) and incorporates 17.5 hours of thermal energy storage (molten salts).
  - Hydropower generation in Chile fell sharply in 2021 (down 20%) to represent 20% of the country's electricity supply, well below the 30% average share over the preceding decade.
  - Chile had 10.9% annual electricity produced from Solar PV in 2021.
  - Chile's National Heat and Cold Strategy, issued in 2021, aims for 80% "sustainable" energy use in household heating and cooling by 2050, including a 65% reduction in the greenhouse gas emissions from supplying heat and cold by 2050.
  - Renewable energy development had some fluctuations in Chile over the past decade. Its lowest development was in the year 2017 with 24.7 % share in final energy consumption, whereas it was quite stable between the years 2012 (30.6%) and 2013 (30.4%).
  - Chile announced its national green hydrogen strategy in 2020 and has an annual target of 200,000 tons of renewable hydrogen by 2030. It plans on being the world's lowest-cost green hydrogen producer by 2030 and becoming one of the world's three largest hydrogen exporters by 2040.
- **Investment**
  - Chile's market remained strong in 2021 with USD 3.4 billion in renewable investment.
- **Renewable energy policies and fossil fuel phase-out**
  - Chile is among 40 countries and sub-national jurisdictions that have pledged to ban coal-fired power generation by 2040 as a key outcome of the Glasgow climate talks.

## CHILE ENERGY STATISTICS

GDP	<b>252.90 billion USD as of 2020</b>
Population	<b>19,120,000 as of 2020</b>
USD invested in renewables in the region	Latin America and the Caribbean invested 9.7 billion USD in renewables in 2021, equivalent to the GDP of The Bahamas in 2020.
Total installed capacity of renewable power	15.7 GW (enough to power Ecuador) 1.7 GW additions in 2021
Renewable energy developments in past 10 years	Renewable energy share in final energy demand declined by 17% between 2009 and 2019, largely due to less biomass being used by households. Chile's share of solar and wind in electricity grew from 0.1% to 13.4% during the same period.

## RENEWABLE ENERGY POLICY SITUATION IN CHILE

Indicator	Sector and year
Renewable energy targets	<ul style="list-style-type: none"> <li>• <b>Economy-wide RE: 60%</b> by 2035 and <b>70%</b> by 2050.</li> <li>• <b>Power: 70%</b> generation by 2030 and technology-specific targets for <b>16GW</b> of hydropower and <b>20GW</b> of solar and wind by 2050.</li> <li>• <b>Heating and cooling: 80%</b> sustainable energy by 2050.</li> <li>• <b>Transport:</b> No national target for shares of renewables in the transport sector, but a target for <b>100%</b> of new vehicles to be electric by 2035.</li> </ul>
Net-zero target	Carbon neutrality by 2050.
Renewable energy policies	
<i>New policies in 2021</i>	<ul style="list-style-type: none"> <li>• Pledged to ban coal-fired power generation by 2040.</li> </ul>
City /subnational targets	<ul style="list-style-type: none"> <li>• More than 8 Chilean cities with 12 RE, P, H&amp;C or T targets in 2021.</li> <li>• Two Chilean cities with net-zero targets (Independencia and Santiago).</li> </ul>

## 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
<b>23. Chile</b>	<b>27. Chile</b>	<b>19. Chile</b>

## CONTACT PERSON

Yasmine Abd El Aziz, [yasmine.abdelaziz@ren21.net](mailto:yasmine.abdelaziz@ren21.net), tel + 33 6 52256925