Renewable Energy in Chile: “Where do we stand and where we are headed”

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1. What are the current governmental policies in the energy sector?

2. Market Overview and Attractiveness: Investment needs for Chile in the coming years.
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In May 2014, in order to revive and strengthen the energy industry in Chile, the government proposed a long term horizon centered on what is known as the Energy Agenda…
7 Pillars of the Energy Agenda

1. A new role for the state

2. Reduction of energy prices, with higher competition, efficiency and diversification of the energy market

3. Development of our own energy resources

4. Connectivity for the energy development

5. An efficient sector managing consumption

6. Boost for investment in energy infrastructure

7. Citizen involvement and territorial regulation
Energy 2050: Long Term Energy Policy

**Pillars**

![Diagram of Pillars]

**Long Term Goals**

- 2035: 60% of electric generation from RE.
- 2050: 70% of electric generation from RE.

- First South American country to implement a carbon tax for large power plants.
- Voluntary target of cutting GHG emissions 30% from 2007 levels by 2030, up to 45% if there is any international cooperation.
Other Policies we are currently working on:

• PPA Tender for regulated customers.
• Main transmission system reinforcement (2015-2018).
• Ministry of National Assets` Tender for wind projects.
• Implementation of the Transmission Law (2016).
• Energy Efficiency.
• Communities Engagement Standards.
• Solar Energy Promotion:
  - PV Self-Supply Strategy → Net Billing
  - Utility-Scale PV Market and CSP.
Supply for distribution companies’ regulated customers must be contracted from generators as a result of public and open tenders conducted by the CNE (National Energy Commission).
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Current Installed Electricity Capacity – 22,769 MW

*Note: Total capacity is 22,094 MW. However, it is important to consider 2 extra systems: IPC (4 MW) and “Los Lagos” (7 MW).

Source: NEC-June 2017
As of June 2017, nearly 3,700 MW installed of NCRE, which accounts for 16% of total installed capacity.

*NCRE: Non Conventional Renewable Energy concept includes Small Hydro (less than 20 MW).

Source: NEC - May 2017
Renewable potential by technology
State-owned land tender for NCRE projects

38% of total NCRE is on state-owned land

77% Solar projects

23% Wind projects
RENEWABLES ENERGY TOOLS
30% of the total executed investment, in private and public sector, is from the energy sector.

"Energy [...] remains the most dynamic sector in Investment Intensity, for seven consecutive quarters [...]" (CBC, 4Q 2016 Report)
Increase of 6,600 MW
March 14 - Feb 2018 (est)
Small Hydro Current Status

Up to date, **48 Small Hydro** (less than 20MW) have started operations since March 2014 and **17 Small Hydro projects** are currently **under construction**.
THANKS FOR YOUR ATENTION
Additional information:

Wind campaigns: http://walker.dgf.uchile.cl/Mediciones/
Energía abierta: http://energiaabierta.cne.cl/
Ministry of Energy: http://www.energia.gob.cl/
Ministry of Land Properties: http://www.bienesnacionales.cl/

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