

Energy Storage System

The path for a sustainable future



Ministerio de
Energía

Gobierno de Chile

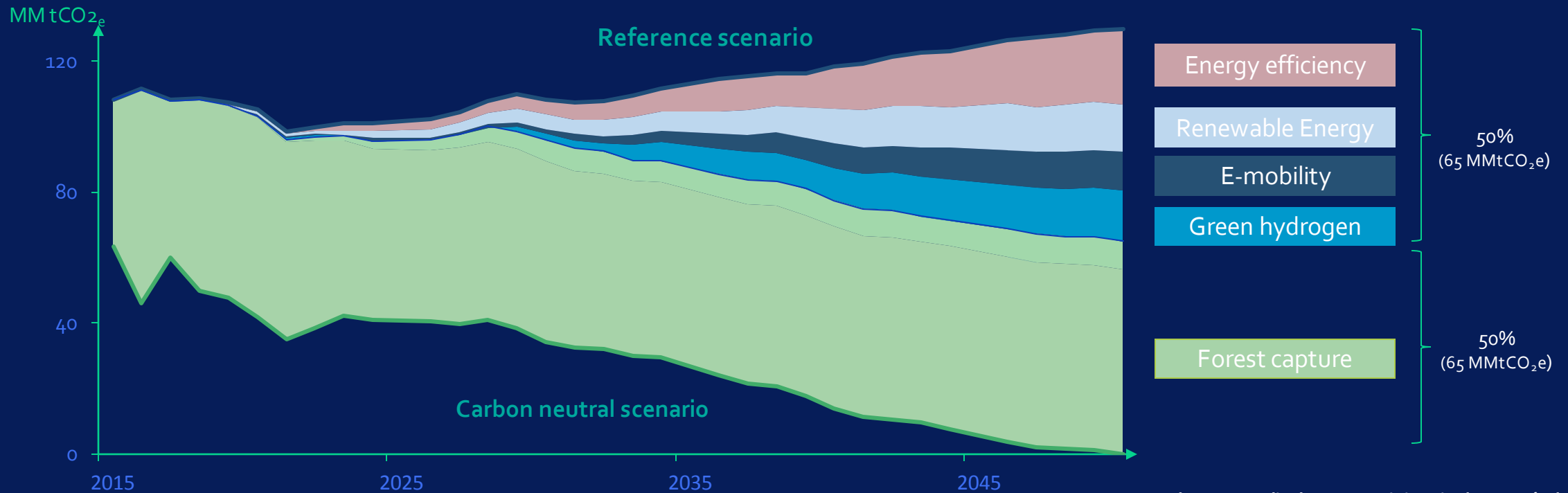
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The challenge of a renewable future

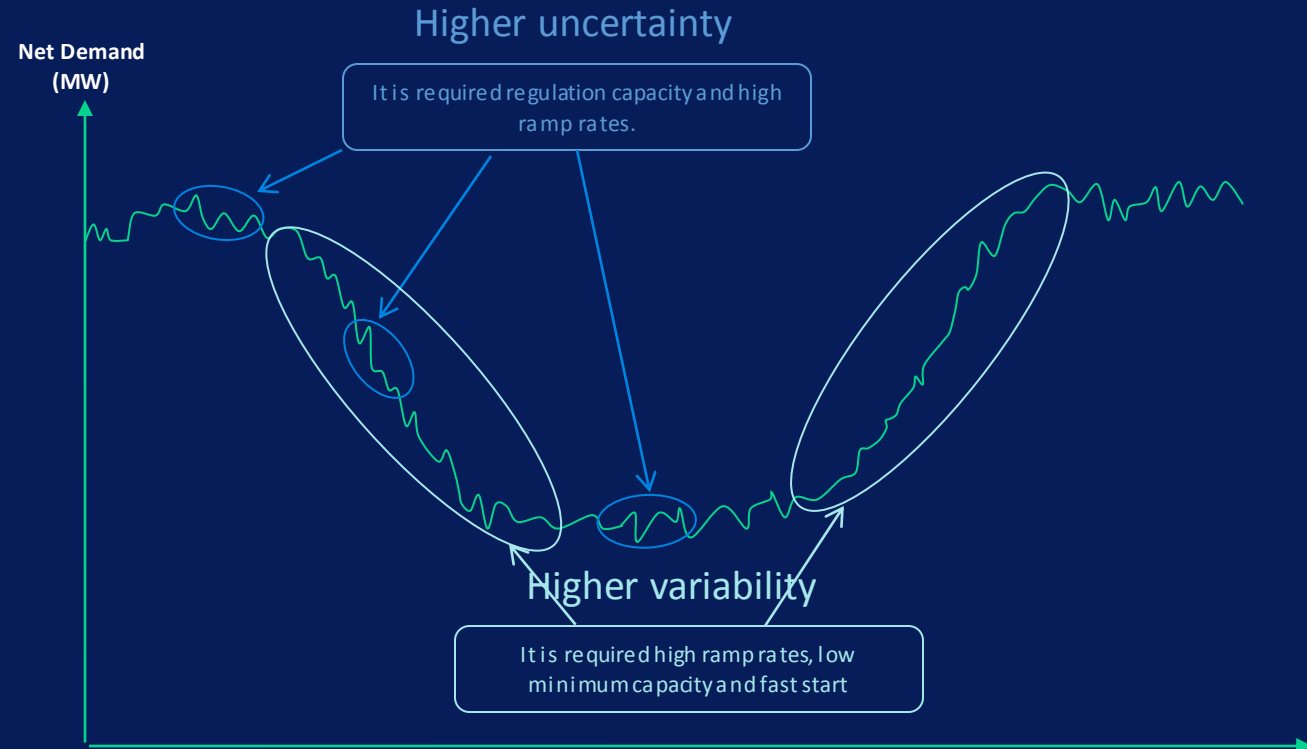
Our goal is to reach carbon neutrality by 2050...or sooner



The challenge of a renewable future

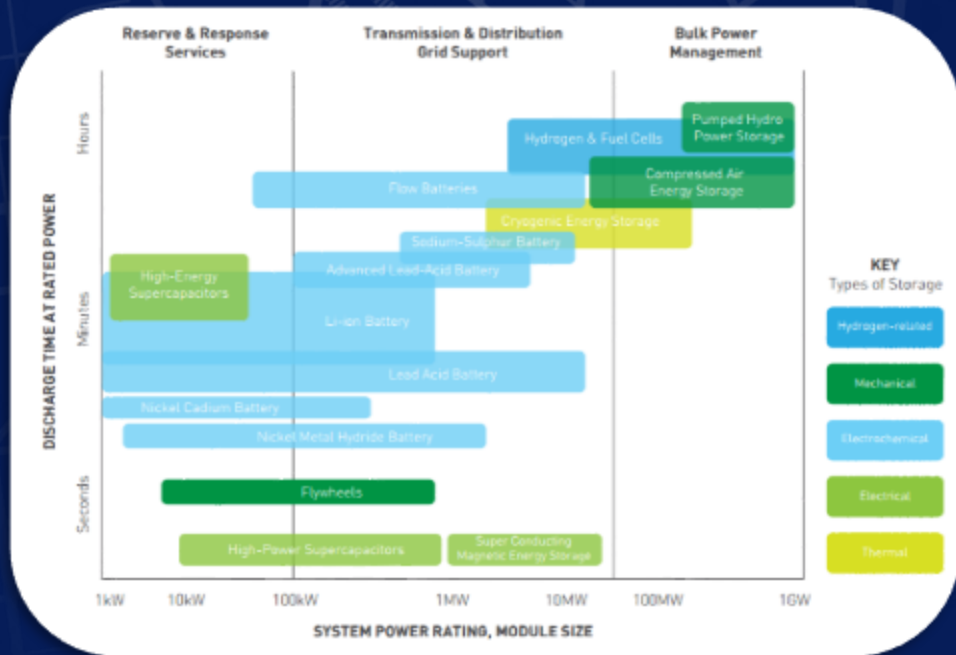
Increase our renewable share has some challenges

Face out of coal power plants



The role of energy storage

Different technologies...different services

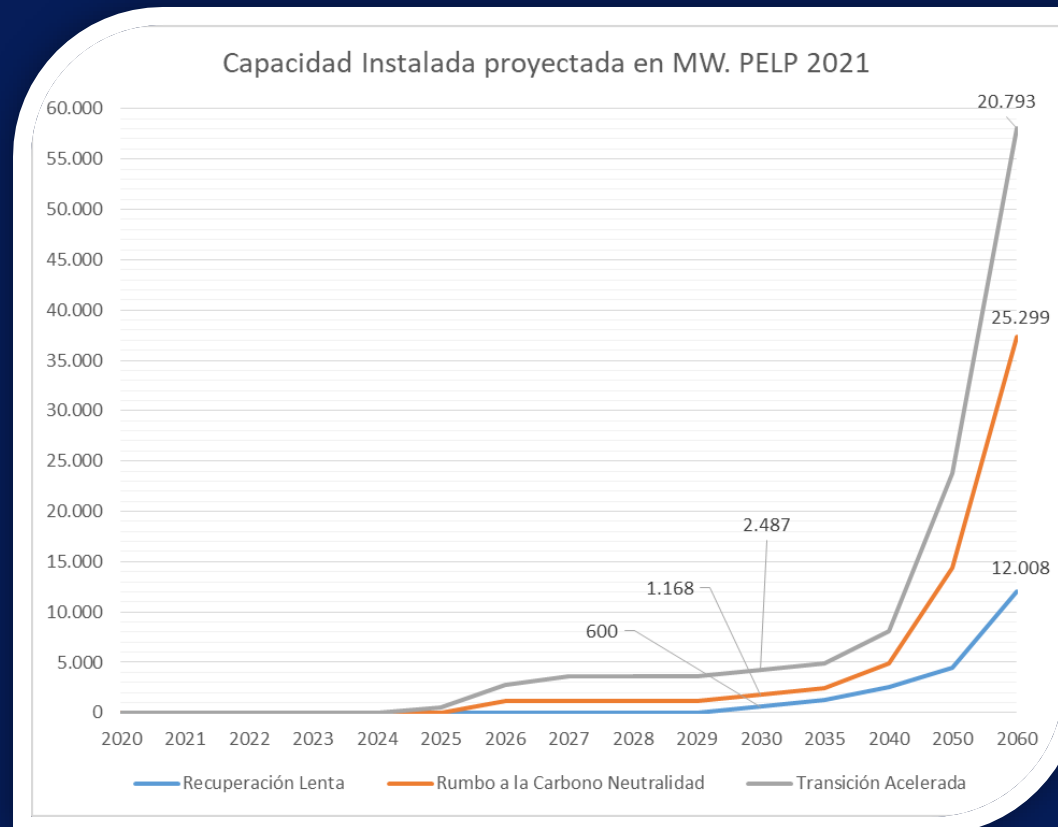
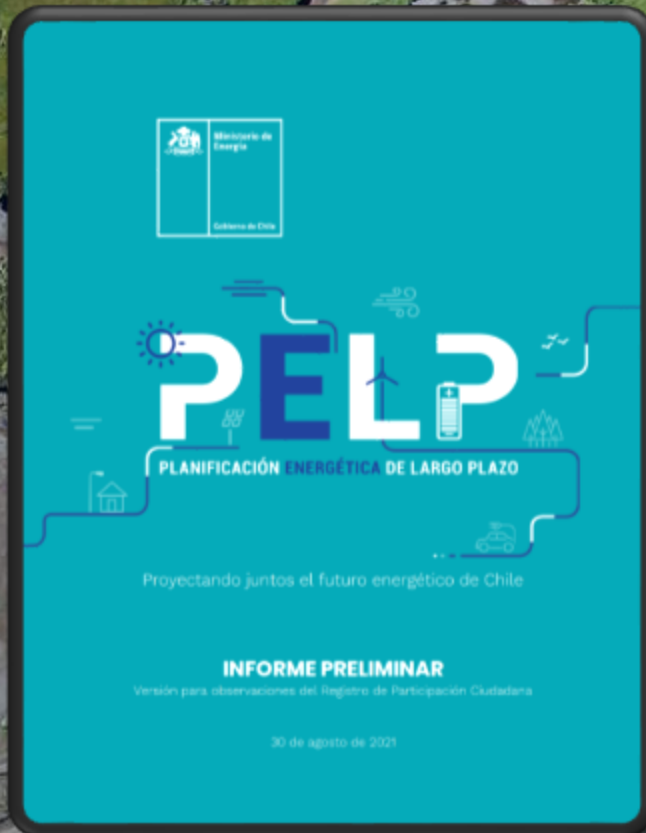


Energy Storage Systems



Long-term energy planning

We estimated that we will need about **2 GW** of storage capacity by 2030



Currently we have 76,8 MW of storage installed capacity, and 112,5 MW under construction

The long-term energy planning process also includes renewables with regulation capacity, like CSP

Some Good news

COP26: Chile duplicará su capacidad de almacenamiento de energía junto a AES



Energía

Francesa EDF se adjudica terreno para desarrollar proyecto de energía renovable con almacenamiento en Chile

La iniciativa de carácter híbrido, que se ubicará en la Región de Antofagasta, tendrá una capacidad de al menos 337 MW e incorpora un sistema de almacenamiento de 100 MW. Inversión estaría en torno a US\$ 300 millones.

Energía

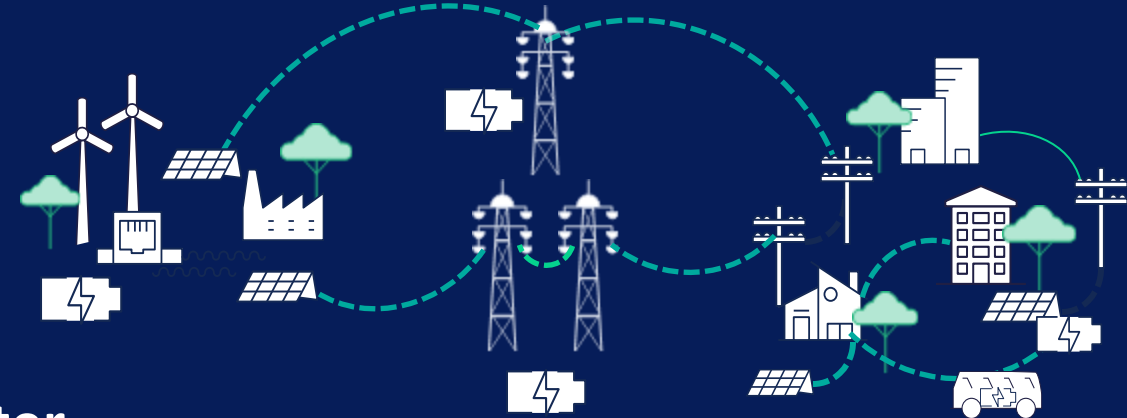
Colbún apuesta por el almacenamiento eléctrico y da primer paso en baterías a escala industrial

Hitachi prevé 1,5GW en almacenamiento de energía en Latinoamérica



It isn't about size

We need to move from distributed generation to ...
distributed energy resources



Enable

Improve the regulatory framework to allow small scale storage

Use

Allow new tariff schemes to reflect temporal usage

Foster

Encourage different financing schemes to overcome the investment barrier



Regulatory framework

Flexibility Strategy:

1. Market design for a flexible system development
2. Regulatory framework for storage and new flexible technologies
3. Flexible system operation

Capacity Payment:

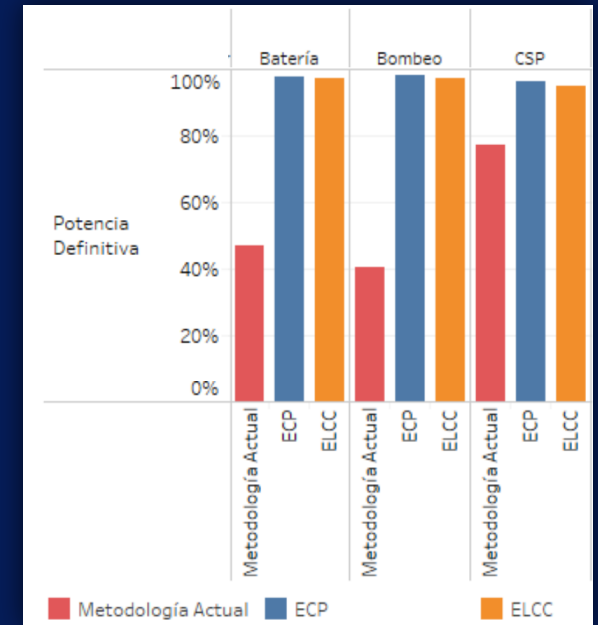
- New regulation under development
- Improves the capacity payment for flexible resources, like renewables with regulation capacity

Transmission:

- New regulation in force
- Clarifies the procedure to include storage technologies in the transmission planning process



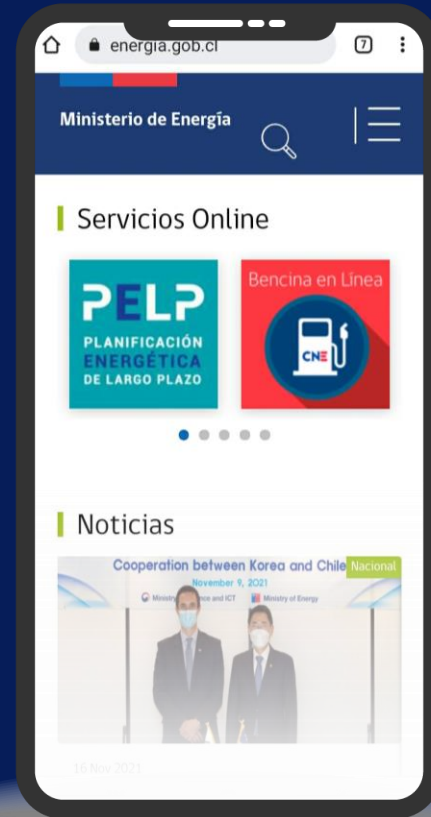
<https://energia.gob.cl/panel/estrategia-de-flexibilidad>



<https://energia.gob.cl/panel/reglamento-de-potencia>

Thank you

Sustainable Energy Division



<https://energia.gob.cl/>

