Colbun
Transforma • Impulsa • Sueña

INVESTOR DAY • 2025

November 27th 8:30 am

AGENDA

1. **WELCOME REMARKS**
2. **POWER SECTOR DYNAMICS**
3. **STRATEGIC AGENDA UPDATE:**
   Growth Opportunities and Projects
4. **COLBUN'S OUTLOOK**
5. **ANNEX**

1. WELCOME REMARKS

Hernan Rodriguez

Chairman of the Board

2. POWER SECTOR DYNAMICS

Juan Eduardo Vasquez

Chief Energy Officer

Operational Highlights – Chilean Power System 2025

HYDROLOGY

Hydrological conditions have **been below the average of recent years (P94)**, though with heterogeneous patterns across basins

MARGINAL COSTS

Higher marginal costs compared to 2024

Regional and hourly decoupling, driven by **transmission constraints and localized oversupply of renewable energy**

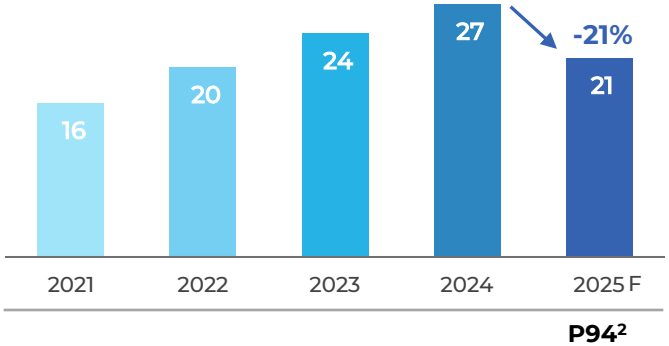
GREATER FLEXIBILITY CHALLENGES

The increasing share of variable renewable generation continues to challenge system flexibility and unit dispatch

Significant growth of BESS has emerged as a key enabler for operational stability and renewable integration

SEN Hydrology: Key Trends and Insights

SEN Hydroelectric Evolution (TWh)[1]



- 2025 hydrology has been **below the average of recent years**, consistent with a probability of exceedance around P94

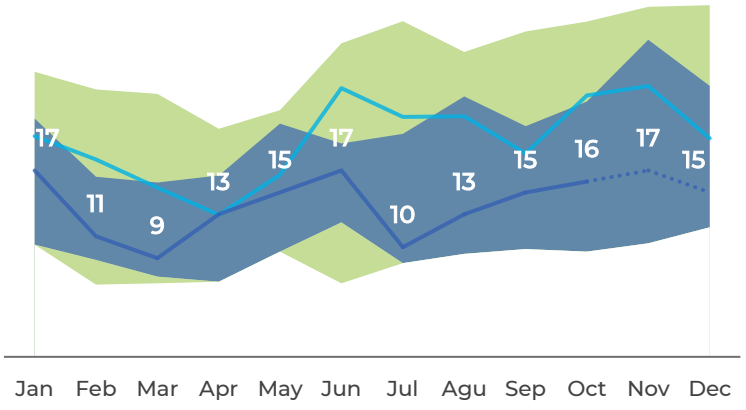
November, 2021 **November, 2024** **November, 2025**

Snowmelt conditions are **expected to be less favorable than last year**, moderating hydro availability during the last quarter

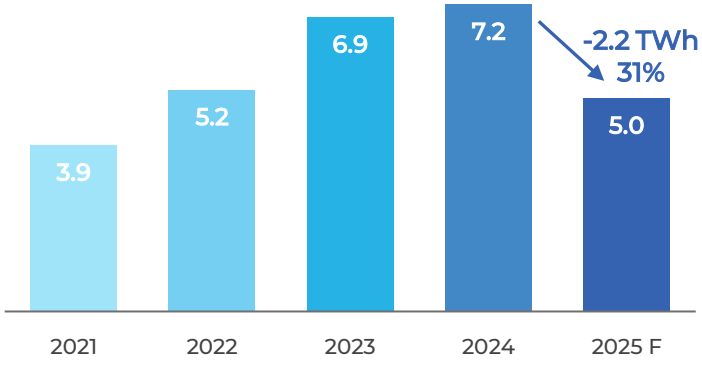
1. *Figures as of Sept25. Projection for the rest of the year according to the thaw forecast published by the Electricity Coordinator*
2. *Exceedance probabilities are calculated based on the hydrological year, considering a time window from April to March. For 2025, exceedance probability accumulated from April to October*

Colbun's Hydroelectric Generation Performance

Colbun's Hydroelectric Generation (GWh/day)



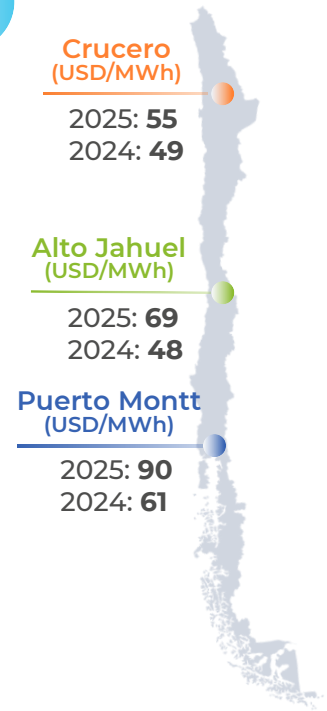
Colbun's Hydroelectric Generation (TWh)



Hydroelectric generation **in 2025** has been lower than in recent years, mainly due to less favorable hydrological conditions and slower snowmelt. However, **it remains above typical dry-year levels**

Note: Actual figures as of Sept25. Year-end projection corresponds to Colbun's internal estimate based on the CEN snow-melt forecast

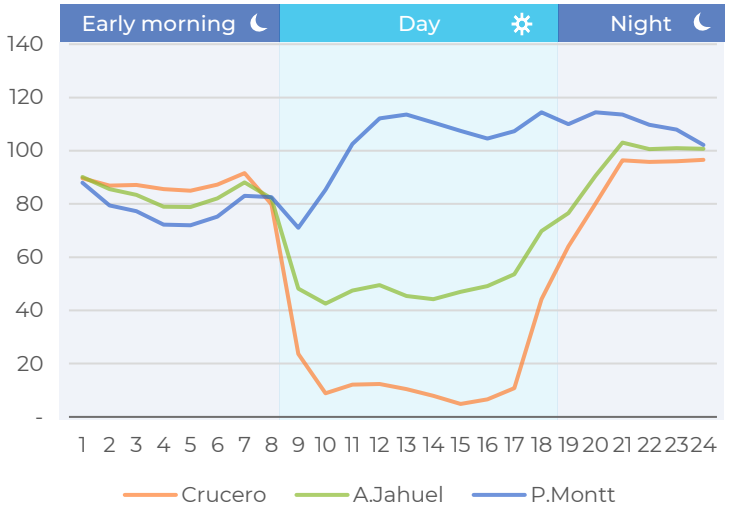
Colbun's Generation and Commitments by Zone



2025 F	24 hrs	☀	☾ [1]
Gx	2.1	1.0	1.1
PPAs	5.2	2.2	3.0
Balance	-3.1	-1.2	-1.9
Gx	7.1	2.2	4.9
PPAs	6.2	2.8	3.4
Balance	0.9	-0.6	1.5
Gx	0.8	0.4	0.4
PPAs	0.2	0.2	0.0
Balance	0.6	0.2	0.4
TOTAL			
Gx	**9.9**	3.6	6.3
PPAs	**11.5**	5.2	6.3
Balance	**-1.6**	**-1.6**	**0.0**

Average hourly marginal costs Jan25 - Sept25 [2]

(USD/MWh)

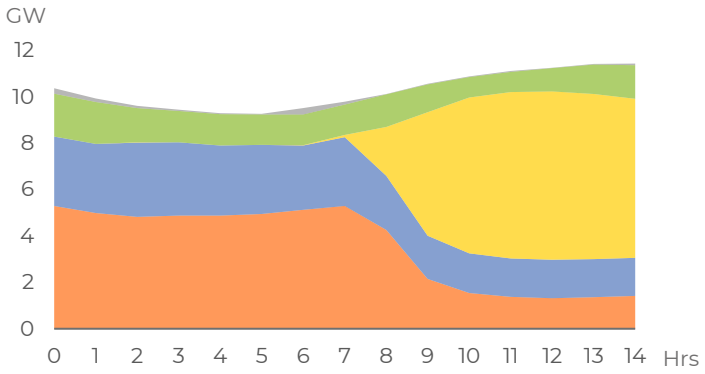


Chilean distribution zones considers; North zone until Los Vilos, Central zone from Quillota to Temuco and South zone form Ciruelos and further south
1. Early morning and night
2. Average 2025 corresponds to the period Jan25 - Sep25 while average 2024 corresponds to the yearly average

Post-Blackout Challenges – February 25th, 2025

February 25th, 2025[1]

Around 15:15, prior to the blackout...



- **1.1 GW (11%)**
- **6.4 GW (63%)**
- **1.4 GW (14%)**
- **1.2 GW (12%)**

DEMAND: 10.2 GW

- ✓ **High renewable share:** ~75% of total generation from solar and wind sources prior to the event
- ✓ **Impact:** ~98% of the population affected (≈8 million households)
- ✓ **Cause:** Unplanned disconnection of the 500 kV Vallenar–Coquimbo line, triggering a system frequency imbalance

Challenges and Lessons Learned

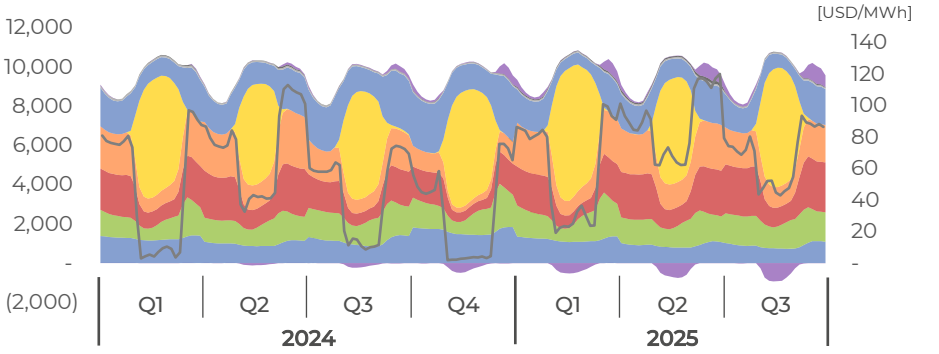
1. **EPRI[2] Post-Event Study:** Strengthen system resilience through technical upgrades, added redundancies, and enhanced simulation programs
2. **Additional studies:** Add stability assets such as Synchronous Condensers and Grid-Forming BESS
3. **Reinforce system robustness**, ensuring stable performance under contingencies
4. **Implement closer monitoring** and more conservative preventive measures to reduce operational risks
   - Improved coordination of 500 kV maintenance works
   - Increased thermal capacity reserves
   - Stricter procedures to enhance overall system stability

1. Source: https://www.coordinador.cl/novedades/coordinador-electrico-publica-informe-independiente-de-epri-sobre-investigacion-del-apagon-del-25-de-febrero/
2. Electric Power Research Institute

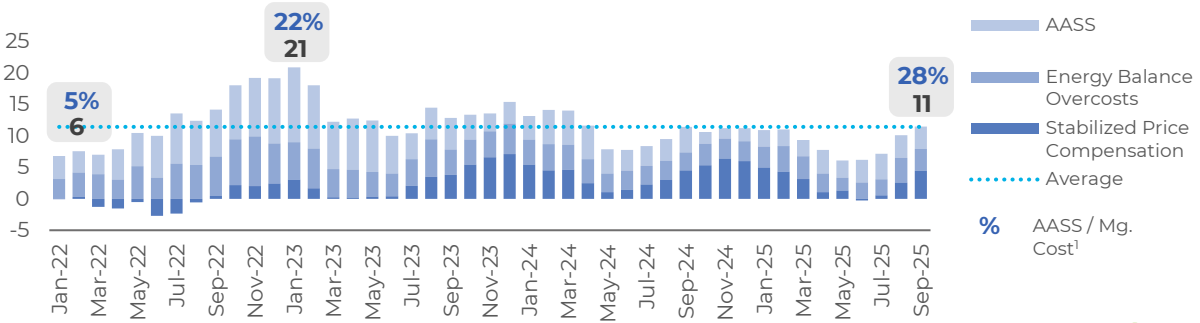
Increased challenges for the system's power plants

- **Generation Variability**
- **Ramps (+/-)**
- **Hourly variations** (prediction)
- **Inertia**

SEN hourly capacity generation (MW)



Unit System Costs [USD/MWh]

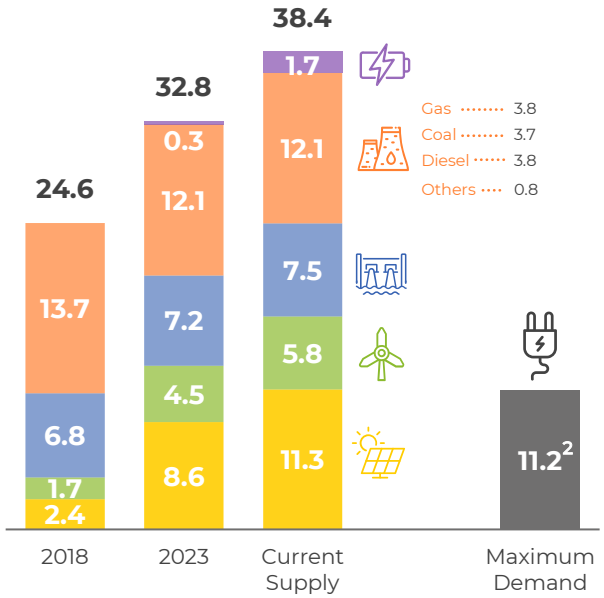


1. *Marginal Cost measured at Alto Jahuel*

High Presence of Renewable Energies

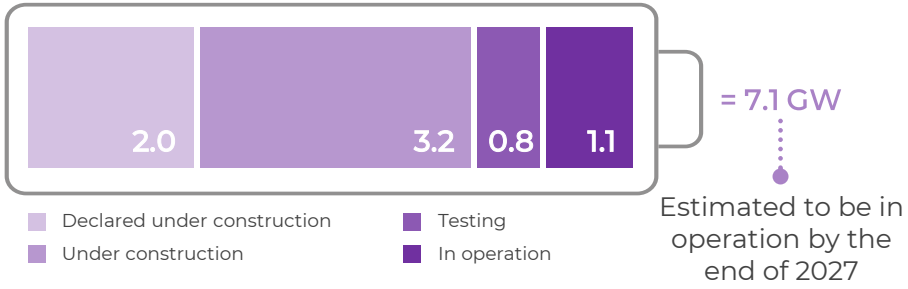
Supply and Demand[1]

Values as of Oct-25, in GW



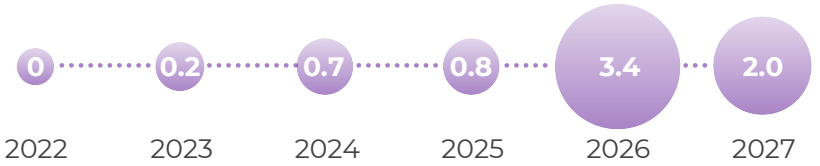
Energy Storage Systems (BESS)[3]

Values as of Jul-25, in GW



BESS will allow **additional renewable generation to be incorporated**, particularly during non-solar hours

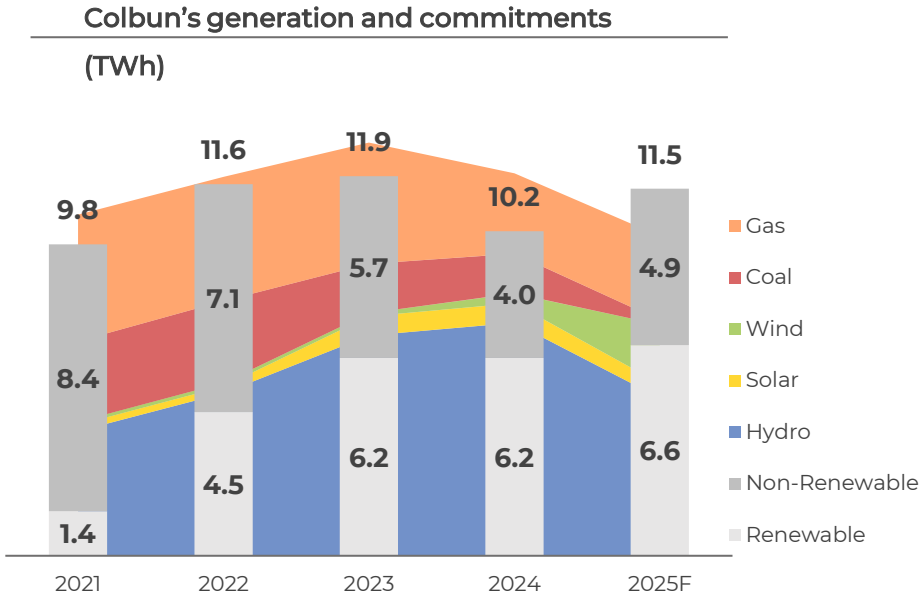
BESS capacity incorporation by 2027 (GW)



1. Installed capacity figures do not include BESS. Source: CNE and CEN
2. Average of the 52 maximum generation hours recorded between Jan–Aug 2025
3. Source: Energy Sector Construction and Investment Project Report, August 2025. The Ministry of Energy reports that most of these projects correspond to lithium-ion BESS, primarily located in the Antofagasta Region

Colbun's Generation–PPA Balance: Strategic Positioning and System Constraints

- Lower hydro output due to **less favorable hydrological conditions**
- Horizonte Wind Farm below expected YTD levels, **mainly due to lower wind resource** during winter months, **on-site works**, and **transmission curtailments**
- **Temporary restrictions on Argentine gas supply**
- Lower coal generation due to **Santa Maria Power plant unavailability**
- Transmission constraints **limiting north-to-center energy transfers**
- **Part of the deficit is strategic,** aligned with efficient exposure to low solar-hour prices



Gas: A Key Enabler of System Reliability

2025 Context

- This year, gas availability has been mostly covered by **interruptible Argentine gas**
- **Gas availability from Argentina remained constrained** for most of the year due to several factors:
  - Maintenance works on TGN pipeline
  - Operational failures in some production fields
  - Unusually low temperatures in Buenos Aires
- To mitigate these effects, Colbun **secured interruptible LNG contracts** during 3Q25

2025 Gas Supply By Source	1Q25	2Q25	3Q25	As of Sept25
GNL	5%	31%	35%	**21%**
GNA	95%	69%	65%	**79%**
Unitary Costs	**1Q25**	**2Q25**	**3Q25**	**As of Sept25**
Gas Generation (GWh)	942	821	513	2,276
Gas Consumption Costs (US$ mm)[1]	(60)	(76)	(53)[2]	(188)
Unitary Cost (US$/MWh)	**63**	**92**	**103**	**83**

2026 Strategy

Colbun is evaluating for 2026 the contracting of **both firm and interruptible gas volumes, complemented by LNG supply,** to ensure operational continuity and supply flexibility

1. *Includes Argentine gas fuel cost and transportation up to the border*
2. *Includes additional LNG fixed costs incurred during 3Q25, for an estimated amount of ~US$10 mm, which are not expected to recur in 4Q25*

Power plants availability

2025 Incidents

SANTA MARIA

23 / 03 / 2025

- Out of service due to a loss of lubrication in the steam turbine, which caused the turbine shaft to seize
- **Operations resumed on October 23rd, 2025**
- Improvements are under development **to strengthen the backup for the lubrication system**
- The Company has insurance coverage for this type of events

RUCUE

09 / 07 / 2025

- Gas leak caused a fire during metallization work on turbine's wear plates and upper cover, as part of major maintenance activities
- **Unit 2 remains operational**
- Unit 1' repairs reached an overall progress of 33%. Commissioning is expected by the end of Jan26
- Contractor procedures will be reviewed and reinforced
- The Company has insurance coverage for this type of events

Key Regulatory Pillars for a Responsible Energy Transition

BROAD CONSENSUS AND INSTITUTIONAL REVIEW

- ✓ Roadmap for today's challenges
- ✓ Forward-looking Institutional review

ENERGY SUPPLY SECURITY

- ✓ The role of natural gas as a backup source
- ✓ Enhancing system security and resilience
- ✓ Incentives for enabling diversified technologies

ACCESSIBLE ENERGY

- ✓ Distribution sector reform
- ✓ Addressing distortions: Ancillary Services and SDGU[1]
- ✓ Transitioning to an Auction-Based market

1. *Small Distributed Generation Units*

3. STRATEGIC AGENDA UPDATE: *Growth Opportunities and Projects*

Jose Ignacio Escobar

Chief Executive Officer

2025 Highlights

Construction began on Celda Solar (228 MW), one of the largest energy storage projects in Chile

SMU PPA award (60 GWh/year)

JAN

Inaugurated Horizonte (816 MW), Chile's largest wind farm

Parque Arauco PPA award (150 GWh/year)

MAR

Thanks to our renewable energy bonds, Santiago Marathon was carbon neutral for the second consecutive year

Molynor and Colbun reached a sustainability milestone with the start-up of a new solar PV plant

MAY

FEB

Received international recognition from Business for Nature for our biodiversity strategy

APR

Signed an alliance with Team Chile to supply renewable energy and install solar panels at their Olympic Training Centers

2025 Highlights

JUN

Colbun completed the acquisition of the 41.379% stake in Fenix Power Peru (573 MW), reaching 100% ownership

AUG

First Tesla batteries arrived for the Celda Solar project (228 MW)

COD for the full Horizonte wind farm

Colbun remained on GPTW's Best Companies for Women list

OCT

Inaugurated the first green hydrogen (H_2V) plant at a power facility in Chile

Construction began on BESS DAS (228 MW)

Colbun hosted a policy roundtable with presidential campaign teams to discuss the energy sector

Colbun received Sustainable Building Certification (CES) for the Diego de Almagro Sur plant

JUL

Launched the Energy for Entrepreneurship program across multiple regions

SEP

International bond issuance for US$500 million, maturing in 2035

Held the 9th edition of Voces con Energía 2025: From Blackout to Action

Aguas Andinas PPA award (311 GWh/year)

NOV

Colbun recognized for "Horizonte Circular," a wood-reuse and social reintegration program

2025 Updated Strategy

"We transform energy, in balance with the planet, to boost your projects and dreams"

Core business: Power Generation

Efficient Asset Portfolio Management

- *Economic efficiency*
- *Margin maximization*
- *Integration of assets to enhance operational flexibility*

Client at the Center

- *Energy partner*
- *Infrastructure solutions, behind-the-meter batteries, electrification, self-generation, and others*

Profitable & Sustainable Growth

- *Development and acquisition of technologies that enhance portfolio competitiveness, sustainability, and diversification*

Expanding the Core

International Platform Expansion

- *Active opportunity monitoring, capturing the most attractive markets*
- *Building knowledge of target geographies*

New businesses

Adjacent Infrastructure with Competitive Advantages

- *High-competitiveness and scalability*
- *High energy consumption*
- *Risk-sharing mechanisms*

- *Commercial Excellence*
- *Excellence & Efficiency in Project Development*
- *Operational Excellence*
- *24/7 Portfolio Management*
- *Business Risk Management*
- *Organizational Development*
- *Sustainable Business Development*
- *Innovation*

COMERCIAL STRATEGY - *Customers at a glance*

1. Focus on unregulated clients

7 years average life
Total clients

8 years average life
Large clients

24% of the energy for mining is supplied by Colbun

5 years average life
Medium clients

80-90 USD/MWh average monomic price

- ✓ **Renewable Energy 24/7**
- ✓ **Demand certainty**
- ✓ **Consumption profile**
- ✓ **Bilateral contracts**

- **UBM/EM[1] services for 15 clients**, including SMU, Ripley, Aguas Andinas, and Walmart
- **O&M EMS[2] services for 12 clients**, highlighting Codelco, SMU, and Camanchaca
- **Five photovoltaic projects in operation**, with an approximate investment of **US$11 million**, for Lácteos Matthei, WEIR, Molynor, CMPC, and Polpaico
- **Three photovoltaic projects under development for US$5.5 million**, for Codelco, Molymet, and Manantial

2. Contracted energy during 2025

842 GWh

294 GWh

AGUAS andinas

OCP COBRIZA

ParqueArauco

PARAMONGA Agro Industrial

SMU

Pamolsa

1. UBM: Utility Bill Management / EM: Energy Managment
2. O&M EMS: Operation and Maintenance of Energy Management Systems

COMERCIAL STRATEGY - *Growth Opportunities for the Years Ahead*

3. PPAs contracting opportunities by 2030

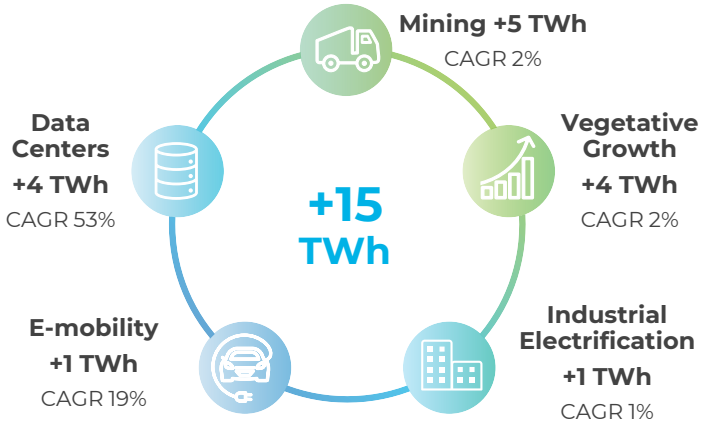
*With **large** unregulated clients (> 100 GWh/year)*

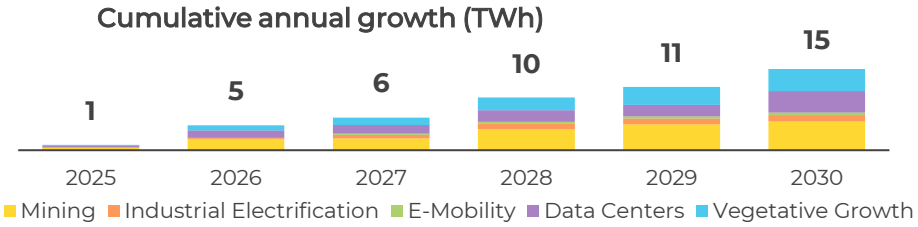
- A total of **19 TWh** are expected to be auctioned
- **7 TWh** are expected to be actioned in only **8** bidding processes

*With **medium** unregulated clients (< 100 GWh/year)*

- A total of **10 TWh** are expected to be auctioned

4. Main Demand Growth Drivers (2024–2030)





PROJECTS - *Pipeline of Projects*

PROGRESS STAGE

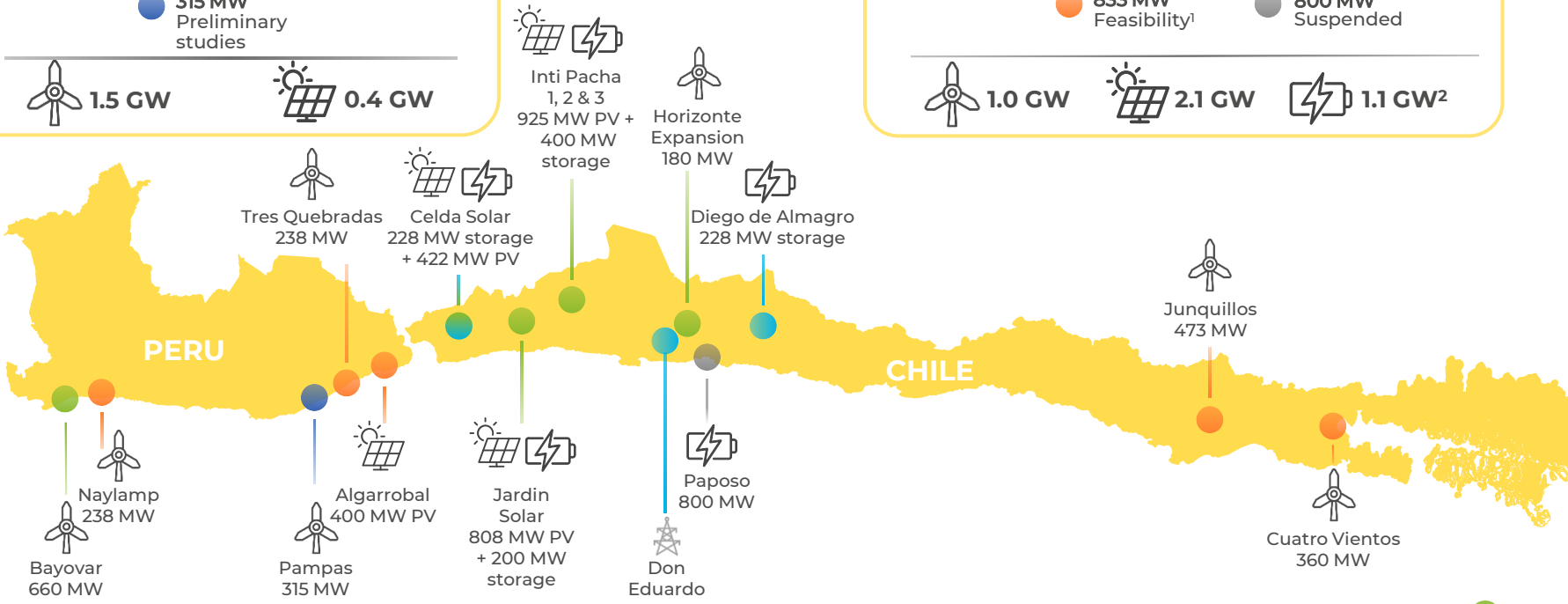
- 660 MW Environmentally approved
- 876 MW Feasibility
- 315 MW Preliminary studies

1.5 GW | 0.4 GW

PROGRESS STAGE

- 456 MW Construction
- 2,935 MW Environmentally approved
- 833 MW Feasibility[1]
- 800 MW Suspended

1.0 GW | 2.1 GW | 1.1 GW[2]

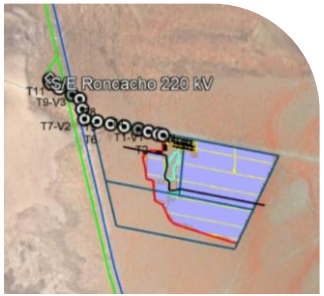


Note: Figures consider maximum installed capacity for each project as of Nov25
1 Environmental Impact Assessment submitted
2 This amount does not consider Paposo storage system

PROJECTS - *Pipeline of Projects – Under Construction*

BESS CELDA SOLAR

Location: Camarones, Arica y Parinacota Region



KEY INDICATORS	
Installed capacity	**912 MWh BESS (228 MW x 4 hrs)**
Net annual generation	**330 GWh/year**
Land surface	**8 ha BESS (960 ha Total PV)**
Connection point	**Roncacho S/S**
Env. Impact Study	**Approved for 422 MW PV 1,000 MWh BESS**
Estimated COD	**4Q26**
Battery Supplier	**Tesla**

PROJECTS - *Pipeline of Projects – Under Construction*

BESS CELDA SOLAR

Oct 25

PROJECTS - *Pipeline of Projects – Under Construction*

BESS DIEGO DE ALMAGRO

Location: Diego de Almagro, Atacama Region

KEY INDICATORS	
Installed capacity	**912 MWh BESS (228 MW x 4 hrs)**
Net annual generation	**330 GWh/year**
Land surface	**5 ha BESS (330 ha Total PV)**
Connection point	**Inca de Oro S/S (Colbun)**
Env. Impact Study	**Approved 1,000 MWh BESS**
Estimated COD	**2Q27**
Battery Supplier	**Canadian Solar**

PROJECTS - *Pipeline of Projects – Under Construction*

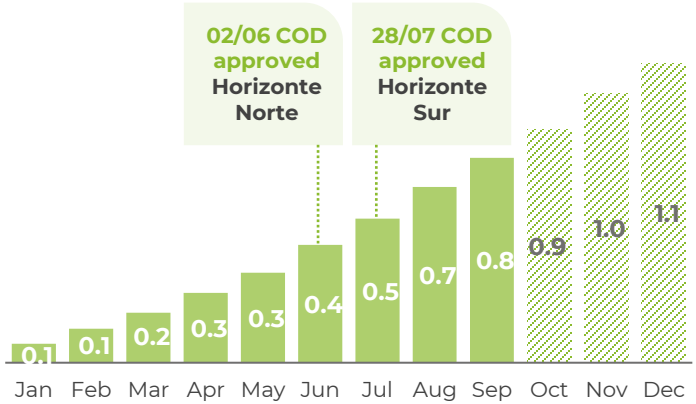
BESS DIEGO DE ALMAGRO

Image includes a conceptual rendering of the BESS layout for illustrative purposes

PROJECTS - *Pipeline of Projects – COD approved*

HORIZONTE WIND FARM

Accumulated Generation Profile (*TWh*)



Main Drivers

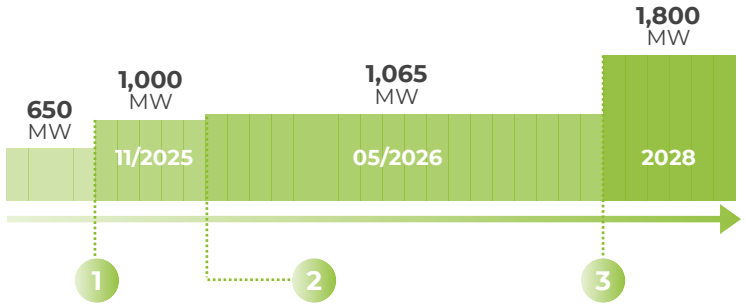
- ✓ **Lower wind resource**
- ✓ **Corrective and preventive maintenance, project completion and other works**
- ✓ **Transmission curtailments**

PROJECTS - *Horizonte Wind Farm – Transmission Limitations*

In operation, testing, or under construction

EIA approval that have not yet started construction

Transmission Limitations



TTCC[1] replacement at Nueva Zaldívar Substation: Increased the evacuation capacity to 827 MW, with further optimization by the CEN potentially enabling up to 1,000 MW

Automation at Jadresic Substation: implementation of an EDAG[2] under agreement with incumbents will increase capacity to ~1,065 MW

New transformers at the Jadresic Substation (500/220 kV): expected by 2029, increasing evacuation capacity to ~1,800 MW

1.Switching-Capable Transfer Transformers (Transformadores de Transferencia de Capacidad de Corte)
2. Automatic Generation Shedding Scheme (Esquema de desacople automático de generación)

SUSTAINABILITY INICIATIVES

COLBUN ENTREPRENEURSHIP CENTER – TALTAL

Support and accompany local entrepreneurs through the Energy for Entrepreneurs Program, offering:

- ✓ Training and capacity-building sessions
- ✓ Specialized advisory services
- ✓ Network management and business linkage opportunities
- ✓ Seed capital funding for selected projects

Milestones

Aug 19
Launch of Energy for Entrepreneurs – Taltal

Oct 10
Inauguration of CEC[1] Taltal

Nov 25
Certification of participants and Seed Capital Award Ceremony

Nov 26
Entrepreneurs Tour – visit of seed capital winners to the Horizonte Wind Farm

IMPACT

- **157** **applications**, 82% led by women entrepreneurs
- **40** **entrepreneurs selected**, with over 20 hours of training delivered and 17 personalized advisory sessions conducted
- **10** **seed capital awards** totaling CLP 10 million to be granted in November 2025
- **Strengthened local business networks** through participation in regional initiatives such as SERCOTEC[2]'s Business Opportunities Week in Antofagasta

1.Colbun Entrepreneurship Center
2.Technical Cooperation Service (Servicio de Cooperación Técnica)

SUSTAINABILITY INICIATIVES

HORIZONTE CIRCULAR

- ✓ Reuse of high-quality wood through a Carpentry Workshop implemented at the Education and Work Center (CET) in Antofagasta

IMPACT

ECONOMIC
- **~30%** — **reduction in operating costs**
- **100%** — **valorization of wood waste** (≈550 tons)

ENVIRONMENTAL
- **CO_2** — **footprint cut** by up to 99% in waste management and 69% in transport
- **Lower demand for new timber** through reuse and sustainable production

SOCIAL
- **Job creation and social reintegration opportunities**
- **Skill development** for vulnerable groups
- **Improved community well-being**

SUSTAINABILITY INICIATIVES

H_2V NEHUENCO PLANT

- ✓ Implementation of an autonomous off-grid system integrating a solar PV plant, batteries, and electrolyzers
- ✓ The green hydrogen replaces the gray hydrogen used in Nehuenco's cooling processes

IMPACT

First green hydrogen project implemented within a thermal generation plant in Chile

15 tons **of CO_2 reduced** annually by replacing gray hydrogen

Strengthened technical expertise and operational capabilities, reinforcing Colbun's role in the country's energy transition

SUSTAINABILITY INICIATIVES

SUSTAINABLE REFORESTATION INITIATIVE – ACONCAGUA COMPLEX

- ✓ Implement a water-efficient reforestation model using the natural water-retention properties of prickly pear cactus leaves (mucilage), reducing irrigation needs while fulfilling forestry compensation commitments

Milestones

- ✓ Plantation of 200 native species at Hornitos Power Plant (approx. 0.3 ha) using cactus-leaf mucilage at the base of each planting pit

IMPACT

Achieved **high survival rates** after one year **with zero maintenance irrigation**

93% Reduced irrigation requirements by up to 93%, substantially lowering the project's water footprint

Validated **a sustainable, replicable, and cost-efficient reforestation method**

2°C-28°C Demonstrated strong plant performance under adverse summer (28°C average max) and winter (2°C average min) conditions

SUSTAINABILITY INICIATIVES

REGENERA BIOBÍO PROJECT – BIOBÍO REGION

Support and accompany local communities through the Regenera Biobío Program, by:

- ✓ Training in native seed collection, planting, and plant care
- ✓ Community nurseries for growing native species
- ✓ Technical assistance for nursery management and restoration practices
- ✓ Native plants supply for ecological restoration in degraded and public areas

Milestones

- ✓ Training delivered to **5 families in Santa Bárbara and 5 families in Coronel** from the Huenüllanca indigenous community

IMPACT

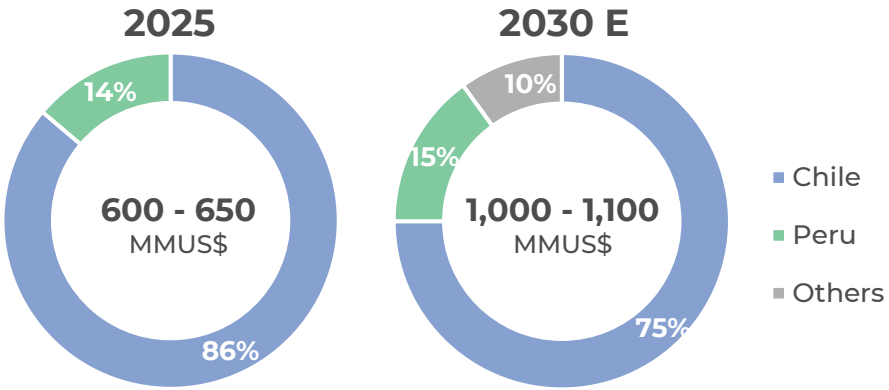
- **3** **municipalities** involved in ecological restoration activities
- **10** **community and territorial organizations** participating
- **155** **participants** engaged in planting and restoration days
- Strengthened local capacities for long-term restoration and environmental stewardship

4. COLBUN'S OUTLOOK

Jose Ignacio Escobar

Chief Executive Officer

Consolidated EBITDA



Strategic Agenda 2030

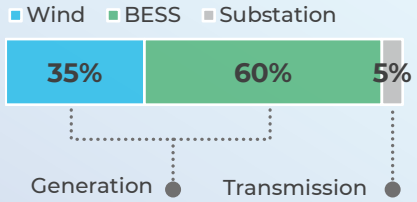
GROWTH SOURCES

Core business	Expanding the Core	New businesses
▪ Efficient asset portfolio ▪ Client at the Center ▪ Profitable & Sustainable Growth	▪ International Platform Expansion	▪ Adjacent Infrastructure with Competitive Advantages

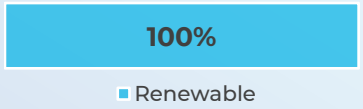
Renewable development progress in 2025-2030

Investment Capex

US$ 1,200 – 1,500 mm

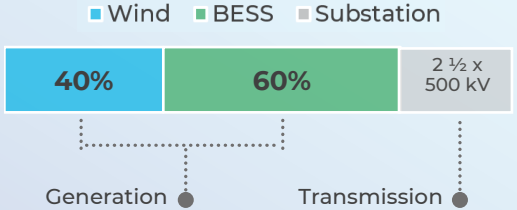


US$ 600 – 900 mm

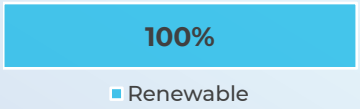


Additional Installed Capacity

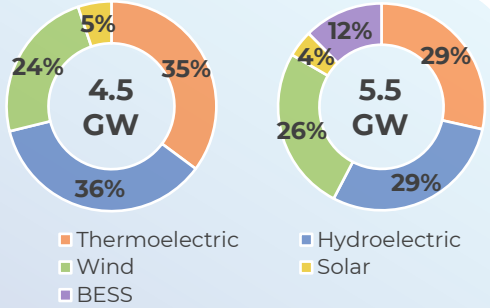
1 GW

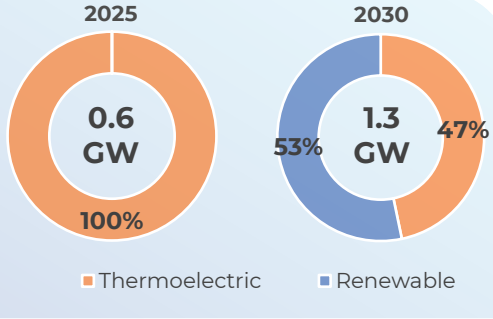


0.7 GW



Installed Capacity (%)





Growth Strategy

Our hydroelectric capacity is a **key complement to** renewable energy from variable sources for the **24/7 renewable PPAs supply,** complemented with our thermal capacity

We have a **diversified pipeline of projects** that are among the most competitive of the country

Colbun has a **solid financial position** to support this growth phase and **multiples financial alternatives**

The company's growth **will not jeopardize its investment-grade rating**

Shared value creation with all stakeholders

5. ANNEX

Santa Maria (350 MW/Coal) Outage

MARCH 23rd

Wildfires damaged power lines that supply the power plant
Failure of lubrication pump motor

MAY 19th

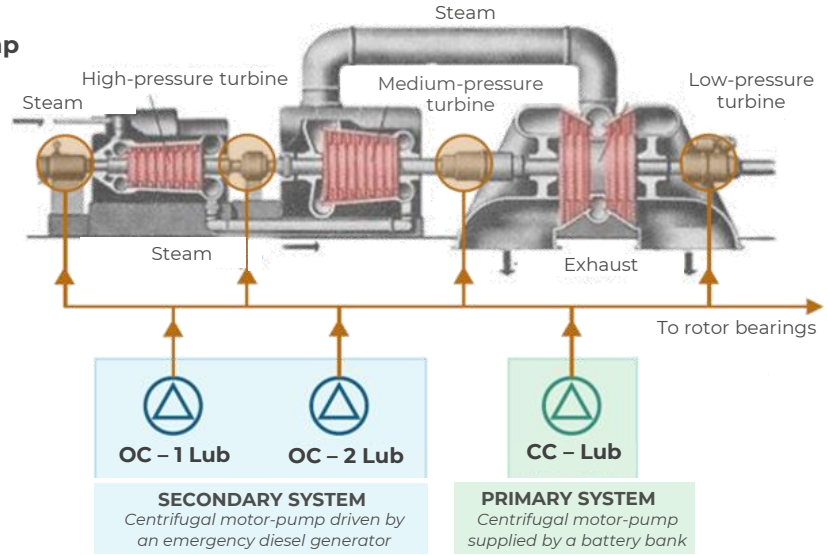
Turbine sent to United States for repairs at GE´s facilities

JUN 26th

Turbine arrived in Chile

OCT 23rd

Return to operation



Key lessons and mitigation actions

Two backup power sources were added to ensure turbine lubrication:

- ✓ Supply from El Manco Substation
- ✓ Battery bank and inverter feeding the AC pump, providing up to two hours of autonomy

Future annual maintenance will include adjustments to DC pump motors and a full system test of the lubrication circuit

Rucue (178 MW/ Hydro) Outage

MAY 30th

Major maintenance activities

JUL 9th

Andritz was performing metallizing works on the wear plates

During the process, **a gas leak occurred in their equipment, which led to an ignition event**

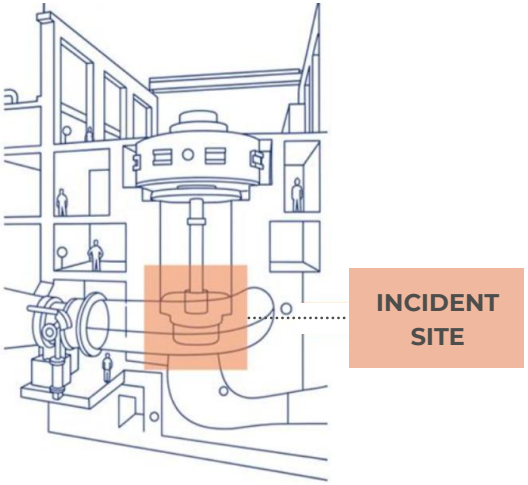
As a precautionary measure, Unit 2 was safely disconnected from operation

JUL 28th

After inspections, Unit 2 returned to operation

JAN 23rd, 2026

Estimated return to operation



70% work progress

Key lessons and mitigation actions

All gas-related activities will be **continuously monitored**, regardless of whether they take place

Mandatory pre-certification of all contractor equipment and procedures before high-risk works

Stricter competency and **training requirements** for contractors performing gas-related or ignition-risk activities

Reinforced **isolation, verification and hot-work protocols** following OEM[1] and insurance standards

1. *Original Equipment Manufacturer*

Regulatory Progress Snapshot in Chile

Core Business Regulation

Dec 27, 2024

Energy Transition Law – Publication
Establishes a long-term roadmap toward decarbonization and flexibility in the power system

Feb 25, 2025

System Blackout Event – SEC follow-up
Start of monitoring on fines and compensations after the February 25 blackout

May 5, 2025

Wind Turbine Bill – Reintroduction
Resumes discussion on siting, safety, and community standards for wind turbines

Aug 5, 2025

Astronomical Sky Protection Bill – Submission
Regulates light emissions near astronomical observatories

Aug 13, 2025

PMG/PMGD Regulation – Public Consultation Closed
Completes consultation on distributed generation rules and remuneration schemes

Sep 9, 2025

Electricity Subsidy Bill – Senate Debate
Expands household subsidy coverage under social tariff mechanisms

Sep 10, 2025

Distribution Reform – Working Groups Completed
Concludes technical discussions ahead of the draft law submission

Sep 29, 2025

Sectoral Permitting Framework Law – Publication
Streamlines environmental and sectoral permitting across industries

Oct 13, 2025

Transmission Regulation – Consultation Closed
Ends public feedback phase on transmission system amendments

Oct 13, 2025

Coordination and Operation Regulation – Submitted to Comptroller
Introduces operational and governance adjustments for the National Electric Coordinator

Regulatory Progress Snapshot in Chile

New Business Regulation (H_2, Storage & Emerging Technologies)

Aug 5, 2025

Astronomical Sky Protection Bill – Submission

Impacts future siting of renewable and hydrogen facilities in northern Chile

Aug 19, 2025

Green Hydrogen (H_2V) Tax Incentive Bill – Submission

Establishes fiscal incentives to accelerate hydrogen project development

Sep 29, 2025

Sectoral Permitting Framework Law – Publication

Simplifies approval pathways for renewable, hydrogen, and storage projects

Oct 13, 2025

Coordination and Operation Regulation – Submitted to Comptroller

Defines operational criteria for integrating new storage and hybrid assets