

# **ENGIE ENERGÍA CHILE S.A. Presentation to investors**

1Q19

# **AGENDA**

# **Snapshots**

Key messages

Financial update

Addenda





#### **ENGIE'S AMBITION: TO LEAD THE ZERO-CARBON TRANSITION**

Supporting our clients in their zero carbon roadmap

Focus on 20 countries, 30 urban areas, 500 global clients

#### **Decentralized organization:**

24 business units; 4 business lines

#### CAPEX 2019-2021:

€ 12 bn & 9 GW in renewables



# Capacity breakdown 88% low CO<sub>2</sub> 7% 6% 104 GW(1) 55% Natural gas Nuclear Other Renewables(2) Coal



Revenue breakdown



**EBITDA** breakdown

EuropeNorth AmericaAfrica & AsiaGEM

(2) Including pump storage for hydro

Latin AmericaOther

Africa & Asia

Europe

North AmericaGEM

Latin America

Other

(3) 2018 Co

(3) 2018 Consolidated

(1) At 12/31/2018, at 100%

# SISTEMA ELÉCTRICO NACIONAL (SEN) TWO MAIN GRIDS RECENTLY INTERCONNECTED





#### **EECL: A RELEVANT PLAYER IN THE CHILEAN POWER INDUSTRY**



- Leader in northern mining region, 4<sup>th</sup> largest electricity generation company in Chile
- ~1.9GW gross generation capacity; ~0.3GW in commissioning phase
- 3<sup>rd</sup> largest transmission company
- Seaport infrastructure, gas pipeline

Prepared to provide energy solutions to its customers



- New 15-yr regulated PPA
   w/distribution companies =>
   contracted physical sales
   growth in 2018 & 2019
- 50%-owned TEN ~US\$ 0.8 bn transmission project began operations in 4Q17
- ~US\$ 1 bn new power generation capacity + port operating in test mode; COD scheduled 2Q19

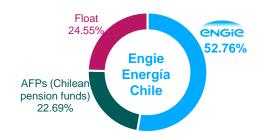


Good delivery in growth strategy implementation



- Capacity contracted under long-term sales agreements;
   12 years remaining average life
- Strong counterparties
  - Unregulated: mining and industrial companies;
  - Regulated: distribution companies

#### **Strong sponsorship**





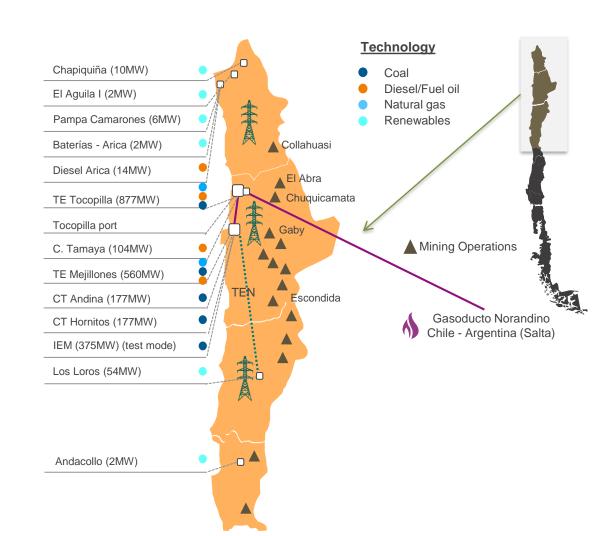
#### A DIVERSIFIED ASSET BASE TO MEET OUR CLIENTS' ENERGY NEEDS











(\*) The CNE authorized EECL to disconnect Central Diesel Iquique (43MW). The CNE also authorized EECL to disconnect units 12 and 13 in Tocopilla (170MW combined gross capacity) as early as April 2019, subject to the completion of the Interchile transmission project. Los Loros & Andacollo were acquired in April 2019

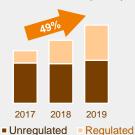


#### 2019: THE BEGINNING OF OUR RECONVERSION



- Contracted revenue growth
  - ~8,200 GWh p.a. in 2017
  - ~12,000 GWh p.a. in 2019
- More balanced portfolio (Unregulated/regulated)
  - 77%/23% in 2017
  - 55%/45% in 2019
- **Expected EBITDA growth** (>65% 2019 vs. 2017)

#### Clients' Sales (GWh)

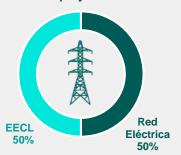




#### INTERCONNECTION

- **TEN**: 600-km, 500 kV, ~US\$0.8bn, transmission company
- On schedule, within budget, operating since 24-Nov-17
- Regulated & contracted revenue; ~US\$80 million EBITDA p.a.

TEN: 50/50 Joint Venture 80% project financed





- IEM + Puerto Andino
- ~US\$1 bn investment including port
- Port: In operations IEM: On commissioning COD: 2Q19
- IEM: 375 MWe gross capacity
- **+2 LNG cargoes** 2018 +1 LNG cargo - 2019
- **Power supply contracts** with generation companies









#### INTO THE DECARBONIZATION PATH



# DECARBONIZATION: A DECISIVE, GRADUAL AND RESPONSIBLE PATH

**OUR PERFORMANCE** 



#### Early steps towards decarbonization

- Development of TEN project => procurement of low-carbon energy sources
- · Decision not to build any new coal plants



#### PPA renegotiation with mining companies

- · New tariff scheme: price reduction
- Decarbonization (tariff indexed to CPI rather than to coal prices starting 2021)
- Contract life extension (10+ years)



#### **Asset rotation plan**

- U12 & U13 coal plants to be closed in 2019
- Plan to develop 1GW / USD1bn in renewable assets
- Long-term power supply agreement to reduce volatility during transition



#### Collaborating with authority in decarbonization initiatives

• Active participation in the round table sponsored by the Ministry of Energy

**RENEGOTIATED PPAs** 

(~3 TWh

COAL CAPACITY TO BE DISCONNECTED 2019

(170 MW)

**ASSET ROTATION PLAN** 

1GW

\$1bn



# **AGENDA**

Snapshots



# Key messages

Financial update

Addenda





#### **KEY MESSAGES**



# Results in line with guidance

Mastering the growth achieved



# **Building our future together with our clients**

PPA renegotiation, decarbonization & life extension



# Paving the way for our energy transformation plan

Development focused on replacing coal with renewable capacity



# Robust and flexible capital structure

Ample room to finance energy transformation plan

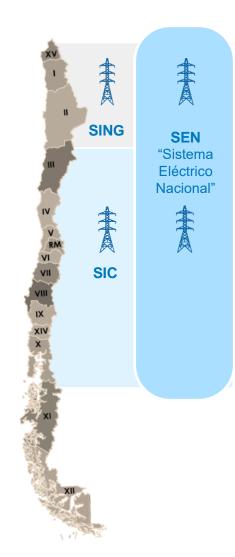


#### RECENT EVENTS



#### **INDUSTRY**

- Climatic effects 1Q19:
  - Altiplanic Winter affected power demand from mining companies
  - Drought in center-south Chile affected spot energy prices
- Temporary smelter shut-downs
   Environmental improvement works to meet stricter emission norms
- **Distribution supply auction 2019:** 3 blocks totaling 3,400 GWh p.a. 2025 2040
- National transmission valuation quadrennial process: International bid launched by Ministry of Energy to define National Transmission expansion plans and tariffs for 2020-2023





#### **COMPANY**

- Acquisition of solar PV plants: Los Loros & Andacollo
   ~55 MWp/US\$35 million
- PPA renegotiations & new contracts signed: Antucoya, Molycop and others ~532 GWh p.a.
- IEM tests completed: Probable COD: May-19 206 GWh injected 1Q19
- Environmental approval Tamaya
   Solar:: 122.4 MWp project
- 15-year PPA w/distribution co.s:
   84% demand increase in 1Q19
- Dividends:
   Final + provisional US\$48.1 million
   = 30% of 2018 recurring net income



#### 2019: GRASPING GROWTH AND BEGINNING OUR RECONVERSION



#### PROFITABLE LONG-TERM GROWTH; IMPROVED RISK PROFILE

#### **OUR 1Q PERFORMANCE**



#### New PPAs w/distribution companies and Free Clients

- Growth in contracted portfolio reaching ~10 TWh of contracted demand
- Portfolio diversification (regulated vs. unregulated)



#### Operation in an interconnected market. SIC + SING = SEN

- 50%-owned TEN company:
  - Up to 900MW of power transported
  - Has released trapped solar PV production in "Norte Chico"
- ISA's Interchile project is operating 2 out of 3 segments.
  - 3rd tranche to begin operations in 2019 will enhance interconnection



#### New power supply sources => risk control

- New gas supply to run our CCGTs or to sell to other producers
- IEM project operating in test mode; 206 GWh produced in 1Q19. Puerto Andino port servicing Mejillones complex since late 2017
- New PPAs signed with other generation companies to reduce our exposure to the spot market in south-central Chile

1Q18 **ENERGY SALES (TWh)** 2.64 **ENERGY SALES REGULATED PPA** (SIC) 0.81 **EBITDA** 96 **NET RECURRING INCOME** 



#### **1Q19 RESULTS IN LINE WITH GUIDANCE**

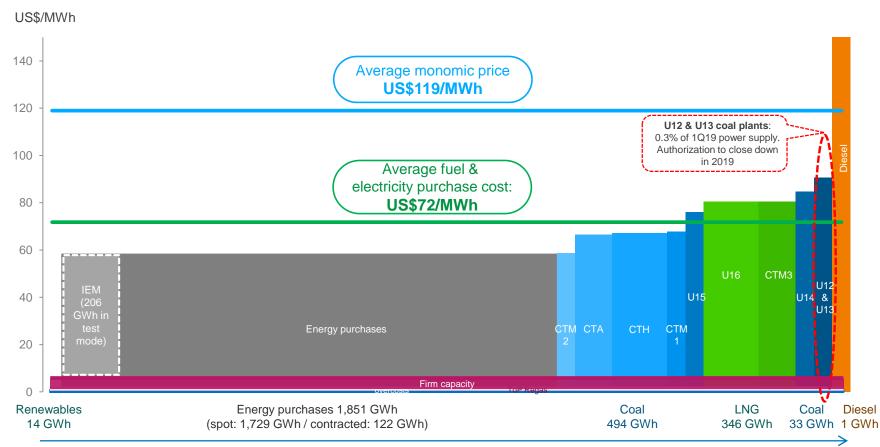
	1Q18	1Q19	Variation
Operating Revenues (US\$ million)	299.1	343.8	+15%
EBITDA (US\$ million)	91.7	96.3	+5%
EBITDA margin (%)	30.7%	28.0%	-2.7 pp
Net income (US\$ million)	39.2	42.9	+9%
Net income-recurring (US\$ million)	39.2	41.5	+2%
Net debt (US\$ million)	841.7 (*)	779.0	-1%
Spot energy purchases (GWh)	929	1,729	+86%
Contracted energy purchases (GWh)	215	122	-43%
Physical energy sales (GWh)	2,408	2,649	10%

• EBITDA increased 5% mainly due to higher regulated sales, partially offset by lower free client demand, uneven plant performance and higher spot prices

(\*) Net debt as of 12/31/2018



# DEMAND SUPPLIED WITH OWN GENERATION AND ENERGY PURCHASES

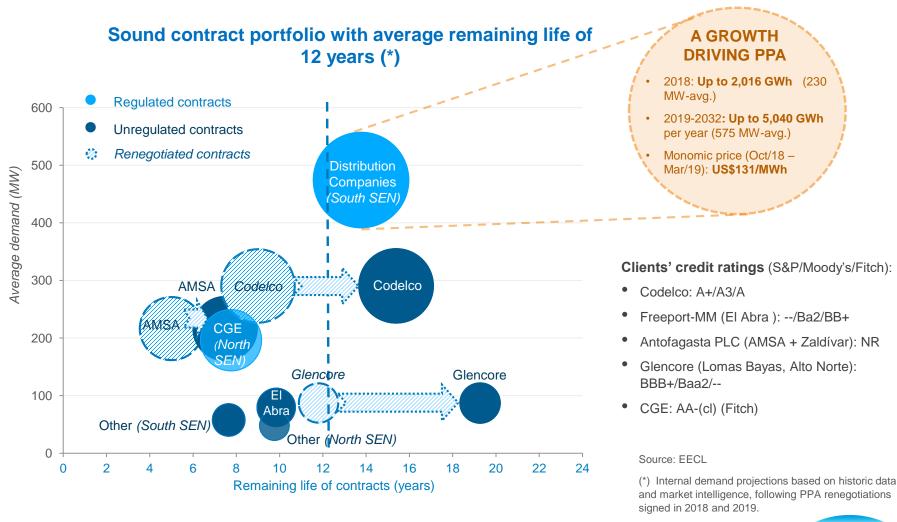


Total energy available for sale before transmission losses 1Q19 = 2,739 GWh

- Average realized monomic price, spot purchase costs and average cost per MWh based on EECL's accounting records and physical sales per EECL data.
- Average fuel & electricity purchase cost per MWh sold includes the LNG regasification cost, green taxes, firm capacity, self consumption & transmission losses
- Net system over-costs and ancillary service costs averaged US\$0.1 per each MWh withdrawn by EECL to supply demand under its PPAs
- Sufficiency capacity provision amounted to US\$5.9 per MWh

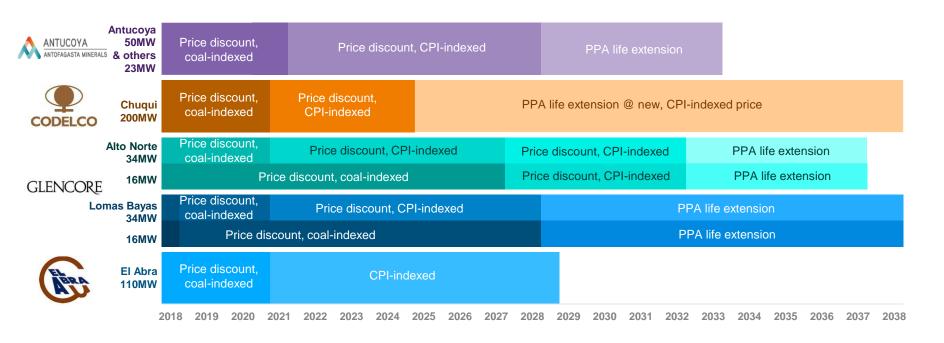


# PPA RENEGOTIATION, DECARBONIZATION & LIFE EXTENSION



# PPA RENEGOTIATION, DECARBONIZATION & LIFE EXTENSION

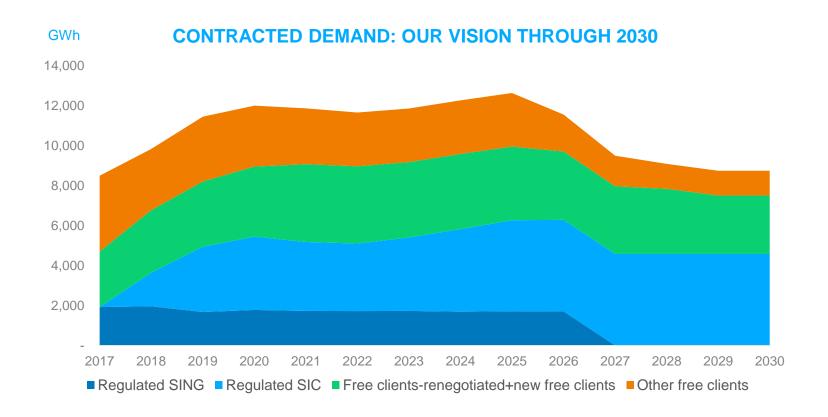
#### PPA renegotiations signed by EECL in 2018 and 1Q19



- Extending the life of our PPAs and leaving behind their price indexation to coal will allow us to invest in renewable power sources and gradually replace coal capacity
- Our clients will benefit from lower power prices and a reduction in their carbon footprint



## PPA RENEGOTIATION, DECARBONIZATION & LIFE EXTENSION

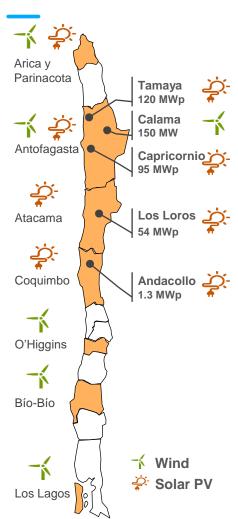


 We will potentially invest ~US\$1 bn in renewable power projects over the 2019-2023 period on the basis of the recent PPA life extension + new PPAs

Source: Engie Energía Chile: Average expected demand under existing contracts following 2018 and 2019 renegotiations



# FIRST STEPS INTO OUR 1GW/~US\$1BN ASSET ROTATION PLAN





#### **ACQUISITIONS**:

#### Los Loros & Andacollo solar PV plants

- 54 MWp + 1.3 MWp
- Acquired by EECL in April, 2019 for ~US\$35 million



#### **GREEN-FIELD PROJECTS:**

- · 3 projects with approved "RCA"
- Seeking approval to begin construction in 2H19
- Aggregate investment of ~US\$ 300 million

#### Calama wind farm

• 150 MW



• 120 MWp

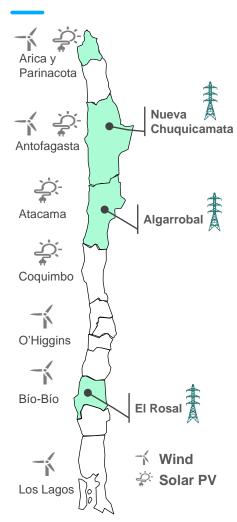
#### Capricornio solar PV plant

95 MWp + 6.5 km. 110kV transmission line





#### NATIONAL TRANSMISSION PROJECTS IN EXECUTION









#### Nueva Chuquicamata

- Substation + 2 x 220 kV line
- Referential investment value: US\$ 18 million
- AVI: US\$ 0.9 million
- COD: 24 / 48 months

#### Algarrobal

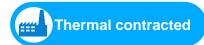
- Sectioning 220 kV substation
- Referential investment value: US\$ 13.9 million
- AVI: US\$ 0.4 million
- COD: 24 months

#### El Rosal

- Sectioning 220 kV substation
- Referential investment value: US\$ 7.3 million
- AVI: US\$ 0.2 million
- COD: 24 months



#### **INFRAESTRUCTURA ENERGETICA MEJILLONES. "IEM"**





Initial operation -> 30-Mar-19 / 206 GWh injected to grid in 1Q19

- 375MWe gross capacity => 337MWe net base-load capacity
- Pulverized coal-fired power plant w/ strict environmental standards
- Turnkey EPC contractor: SK Engineering & Construction (Korea)
- Milestones:
  - Synchronization 29-Oct-18;
  - Performance tests completed 06-Feb-19
  - Initial Operation started 30-Mar-19
- 206 GWh injected to SEN in 1Q19
- Request for COD declaration to be filed with CEN in May-19
- US\$0.9 billion investment







#### **NEW PORT: COST SAVINGS + DIVERSIFICATION OPPORTUNITIES**

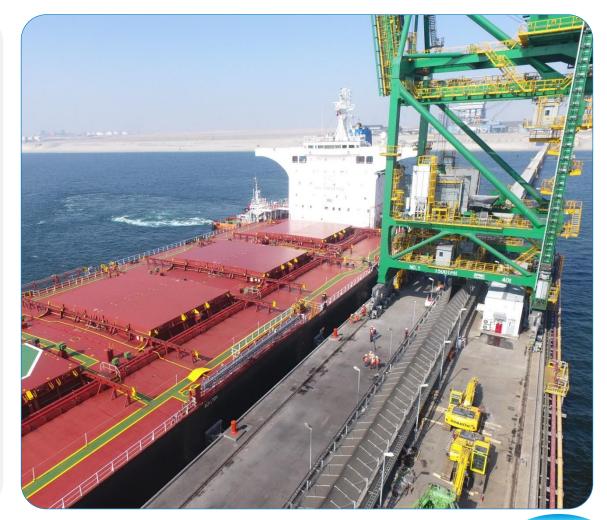


**New port in Mejillones** 



#### **Puerto Andino**

- Mechanized port
- + 6 million TPY transfer capacity
- 3,000 TPH unloading speed => reduced demurrage costs
- Conventional & tubular conveyor belts => better environmental standards
- Space for mineral product exports=> diversification opportunities
- 1,993,399 tons of coal + 128,837 tons of limestone unloaded since Dec-17. 32 shipments, including 3 Capesize carriers
- US\$122 million total investment at CTA subsidiary





#### AMPLE ROOM TO FINANCE ENERGY TRANSFORMATION PLAN

- THE END OF A CAPEX-INTENSIVE PHASE
- FREE CASH-FLOW POSITIVE STATUS STARTING 2019 WILL RELEASE FINANCING CAPACITY FOR ENERGY TRANSFORMATION PLAN



(\*) Recurring CAPEX includes upgrade investing in transmission assets



#### **KEY DRIVERS FOR OUR PROJECTED RESULTS**

#### Demand & prices

- New PPA w/distribution co's.
- New PPA w/free Clients
- Client migration
- PPA renegotiation

#### Marginal cost risks

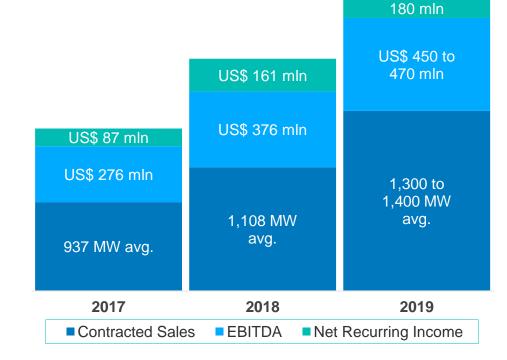
- Coal prices
- Hydrologic conditions

#### Power supply

- Delay in full interconnection
- U12/U13 plant closure
- Power supply contracts

#### Regulation

- Green taxes
- Ancillary services



Source: Engie Energía Chile



US\$ 160 to

# **AGENDA**

Snapshots

Key messages

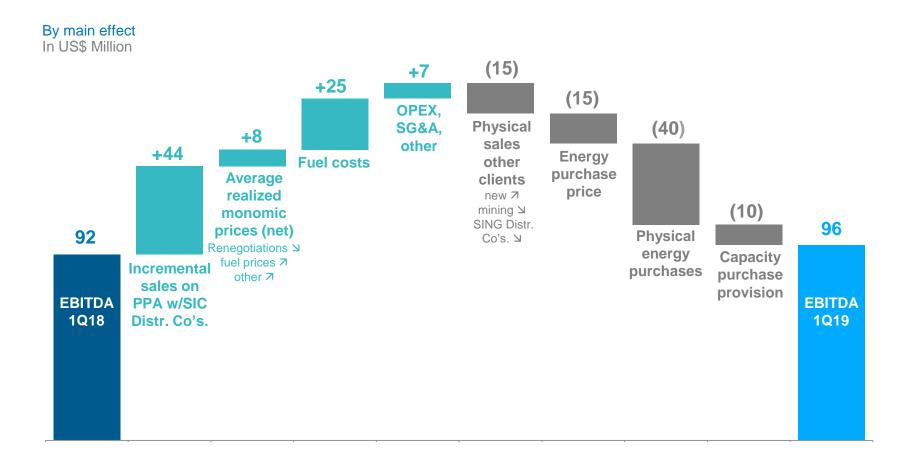


Addenda



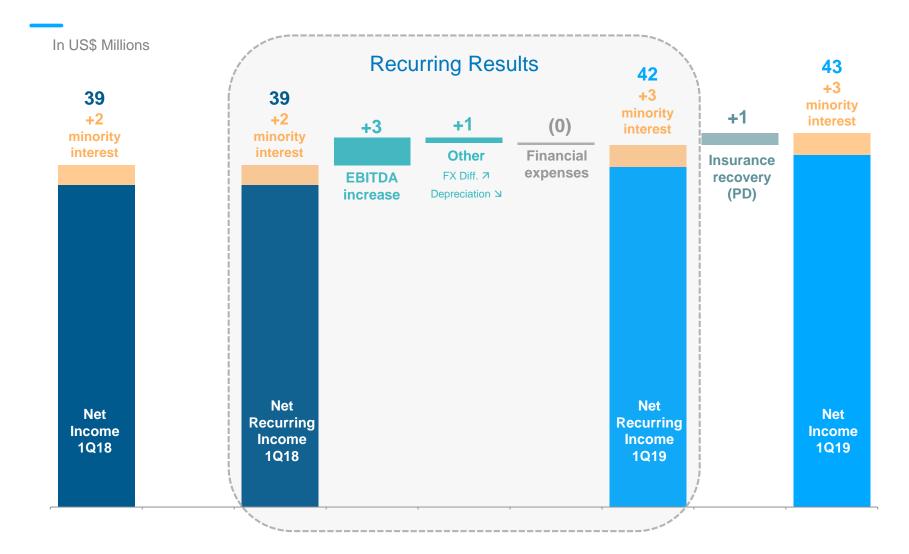


# HIGHER REGULATED SALES OFFSET LOWER FREE CLIENT DEMAND, UNEVEN PLANT PERFORMANCE AND HIGHER SPOT PRICES





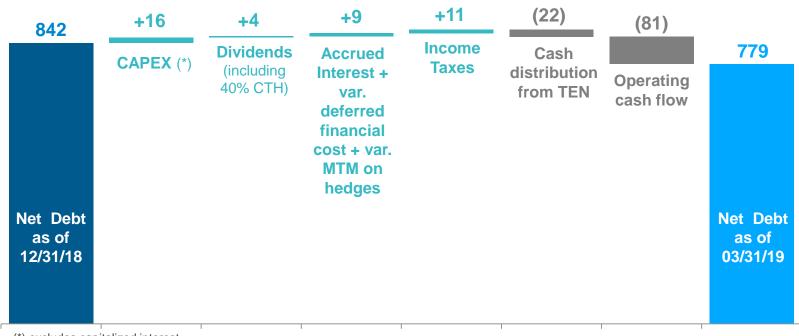
#### **OPERATING RESULTS EXPLAIN THE 9% NET INCOME INCREASE**





#### NET DEBT EVOLUTION REVEALS HEALTHY CASH GENERATION

Main cash flows In US\$ Million



(\*) excludes capitalized interest



#### ROBUST FINANCIAL STRUCTURE: ROOM FOR FURTHER GROWTH

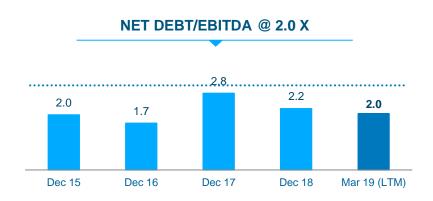
#### Net debt/EBITDA well below 2.5x

#### Rating confirmed @ BBB (Stable Outlook)

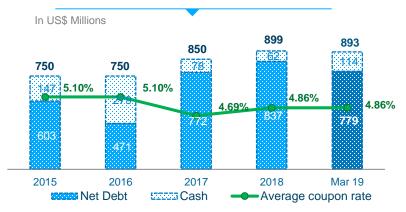
- International: S&P & Fitch (July 2018)
- National scale: Fitch (Jul-18) & Feller Rate (Jan-19):
   AA- Stable Outlook

#### Debt details:

- US\$ 750 million 144-A/Reg S Notes:
  - 5.625%, US\$400 million 2021 (YTM=3.332% at 03/31/19)
  - 4.500%, US\$350 million 2025 (YTM=3.762% at 03/31/19)
- 2.874%, US\$90 million bank loans maturing 2019
- US\$59 million 20-yr. financial lease w/TEN for dedicated transmission assets
- US\$100 million bank revolving credit facility (undrawn & cancelled as from April 8, 2019)

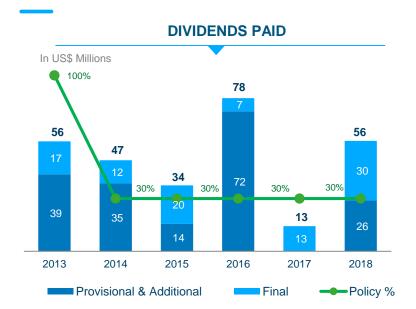


#### **MODERATE DEBT LEVELS**





#### SHAREHOLDER RETURN





#### **SHARE PRICE EVOLUTION**



Index: 12/29/17 = 100 Includes dividends

Dividend yield: dividends per share actually paid in year n divided by year n-1 closing price



## **KEY TAKE-AWAYS: VALUE CREATION FOR OUR STAKEHOLDERS**

















CLIENTS AND OPERATION











# **AGENDA**

Snapshots

Key messages

Financial update

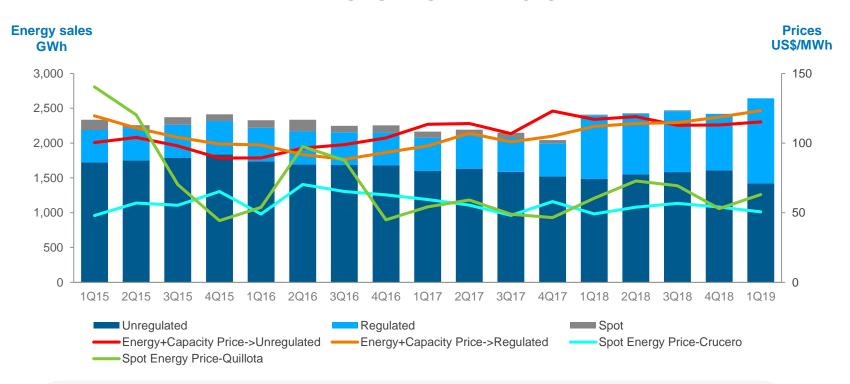
Addenda





# LONG-TERM CONTRACTS: THE BASIS FOR STABLE SALES VOLUMES AND PRICES

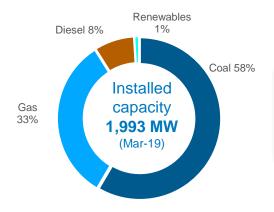
#### **ENERGY SALES AND PRICES**



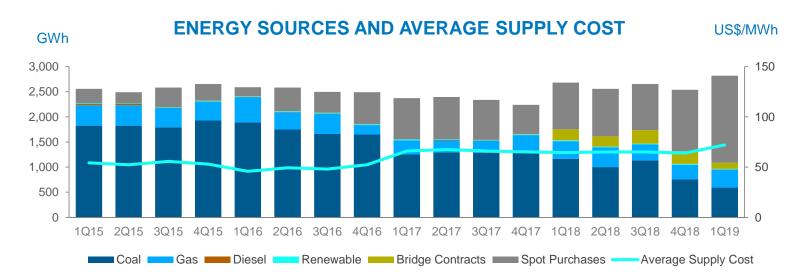
- Energy contract prices have moved in line with fuel prices
- Spot prices in the ex-SIC have been sensitive to hydrologic conditions



# DEMAND SUPPLIED WITH OWN GENERATION AND ENERGY PURCHASES, HEDGED BY OUR INSTALLED CAPACITY



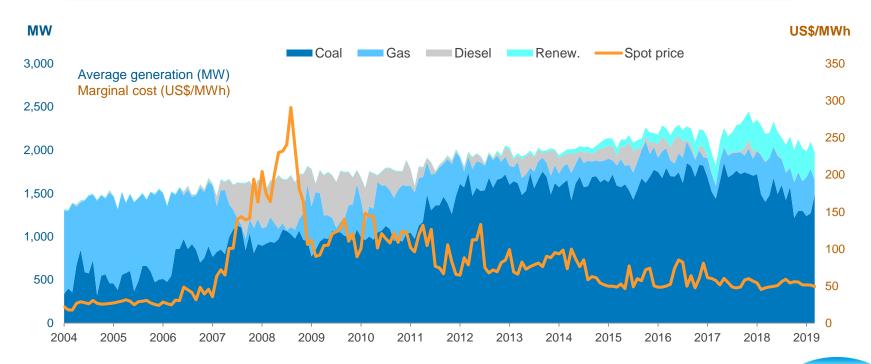
- Increasing spot purchases due to (i) coal, gas and renewable efficient capacity additions in the grid and (ii) start of PPA with distribution companies in central Chile
- Higher fuel prices, CO<sub>2</sub> taxes, emission-reduction costs, intermittency, and drought have put pressure on average supply cost





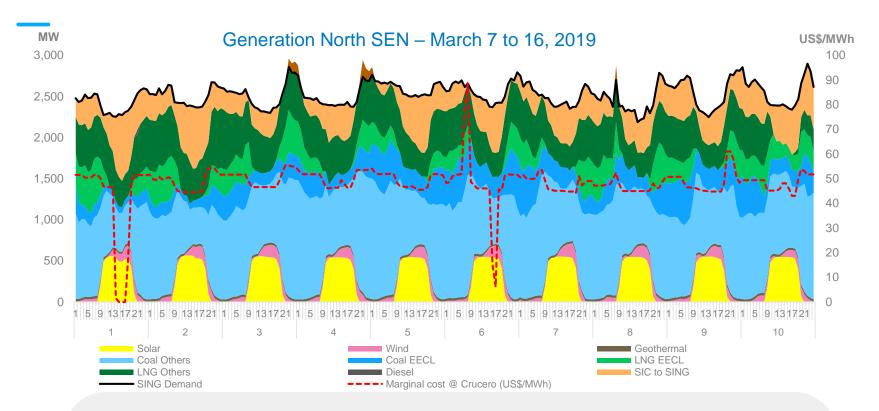
#### **GENERATION AND SPOT ENERGY PRICE HISTORY IN THE SING**

- Limited exposure to hydrologic risk until interconnection is fully operative
- Long-term contracts with unregulated clients (mining companies) accounting for 89% of demand (bilateral negotiation of prices and supply terms)
- Maximum demand: ~ 2,877 MW in 1Q2019; expected 3.5% compounded average annual growth rate for the 2017-2026 period





## **CURRENT REGULATORY AND GRID COORDINATION CHALLENGES**



#### Penetration of intermittent renewable power sources and interconnection

- Lower marginal costs during sun & wind hours; renewable power imports through the TEN line
- Higher system costs to cope with intermittent output (more frequent CCGT start-ups, greater spinning reserve required from thermal plants)
- New ancillary services regulation required
- Need to develop economic 24 x 7 renewable generation solutions



#### **GAME CHANGERS IN THE CHILEAN POWER INDUSTRY**

#### More agile, diversified, client-focused approach to face industry change



- More flexible power auction regulations (Law # 20,805)
  - De-risked regulated PPA to foster competition
- Falling energy prices
- Carbon footprint reduction
   PPAs indexed to CPI
- Increased difficulty to execute projects

**Evolution of Market Design in continuous change** 



- Lower investment cost of renewable capacity
- Shorter development period for renewables
- Improved plant efficiency
- Lower operational costs

High penetration of Renewables and new energy management products



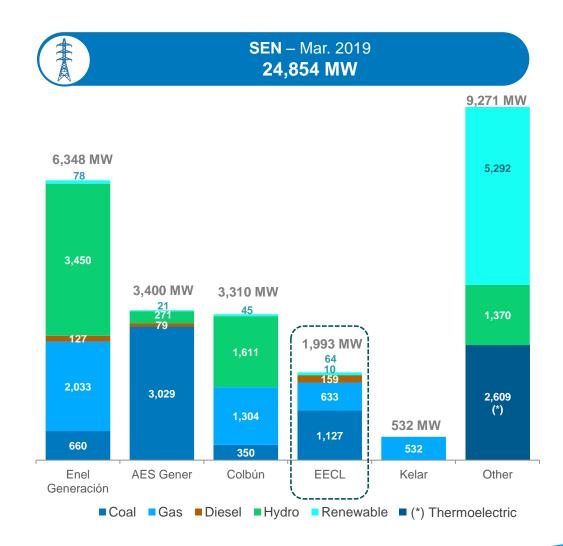
- Mining industry recovery w/copper >2.7 \$/lb: revival of large mining projects
- GDP growing at low rates
- Energy saving programs create x-sales opportunities
- Smart grid initiatives and electric mobility

Potential demand increase



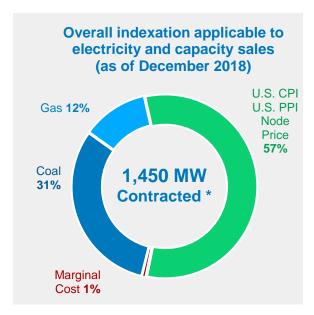
## THE "SEN": A LARGER MARKET FOR ALL PLAYERS







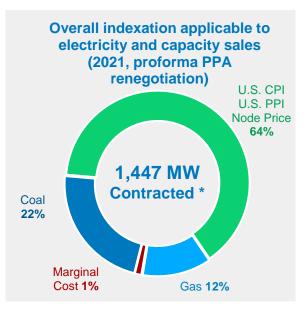
#### PPA PORTFOLIO INDEXATION: SHIFTING AWAY FROM COAL



(\*) Average demand 1Q19

#### Indexation frequency: Regulated : Semiannual

Others : Monthly



(\*) Average demand under contracts projected for 2021

#### **EMEL(CGE)** contract tariff adjustment:

- Energy tariff: ~40% US CPI, ~60 % Henry Hub gas price:
  - Based on average HH reported in months n-3 to n-6
  - Immediate adjustment triggered in case of any variation of 10% or more
- Capacity tariff per node price published by the National Energy Commission ("CNE")

#### **New PPA with distribution Co's tariff adjustment:**

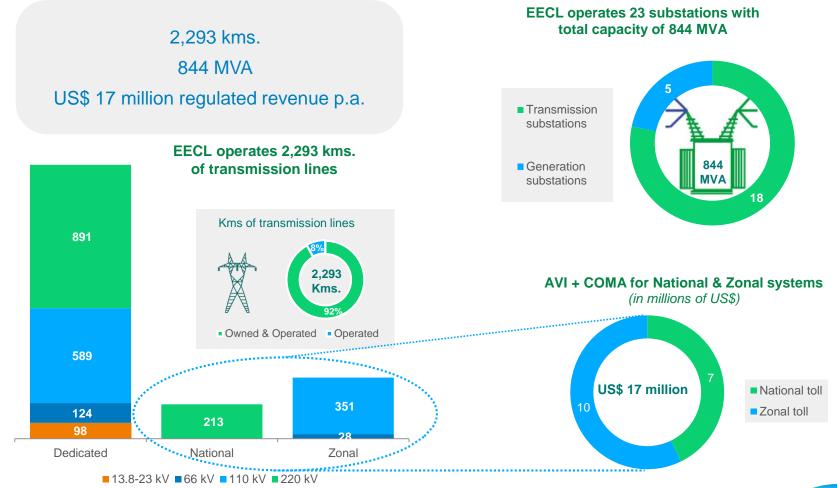
- Energy tariff: ~66.5% US CPI, ~22% coal, 11.5% HH gas:
  - Based on average HH reported in months n-3 to n-8
  - Immediate adjustment triggered in case of any variation of 10% or more
- Capacity tariff per node price published by the National Energy Commission ("CNE")



## **TRANSMISSION**



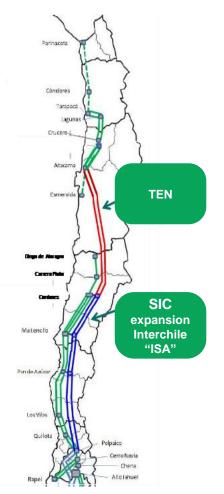
► EECL, a relevant player in the transmission business



# TRANSMISORA ELÉCTRICA DEL NORTE S.A. "TEN"



~US\$0.8bn investment, 50%-owned by EECL





- Double circuit, 500 kV, alternate current (HVAC), 1,500 MW, 600-km long transmission line
- National transmission system interconnecting SIC and SING grids since Nov. 27, 2017
- Regulated revenues on "national assets" (AVI) + contractual toll with EECL on "dedicated assets"
- AVI + Toll ≈ MUSD 82, a good proxy of TEN's annual EBITDA

#### **TEN** annual revenue:

(in USD millions at Mar.31, 2019 FX rates)

**AVI** (VI annuity): **75.4 + COMA** (O&M cost): **9.0** 

= VATT 84.4

+ Toll (paid by EECL): ~7.0

AVI = annuity of VI (Investment value) providing 10% pre-tax return on assets (at least 7% post-tax return beginning 2020)



**Project** financing

~US\$0.8 bn
of which >85%=
Senior Debt

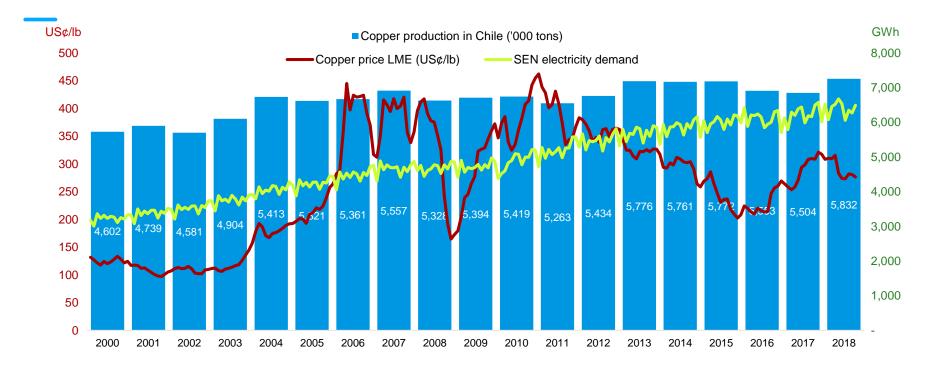
#### **Project Financing**

- Senior 18-yr USD Loan
- 26-yr USD Fixed-rate note
- Senior 18-yr Local UF Loan
- Equity-RECh
- Equity EECL

Total senior debt = ~MUSD 700

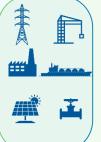


#### **COPPER INDUSTRY**



#### Chile's world-class copper industry is facing challenges:

- Scarce water resources => increasing sea water pumping and desalination needs => higher power costs;
- New port infrastructure required;
- Need to keep cash cost under control;
- More demanding environmental and social requirements => need to reduce carbon footprint.



#### Engie is prepared to help our clients:

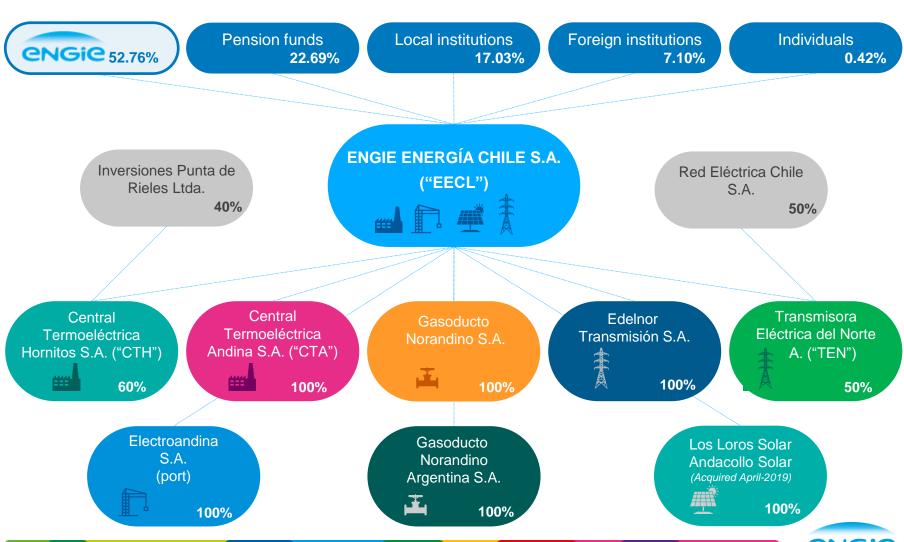
- Power production & transmission; financial strength; group expertise in the water business;
- Available port infrastructure;
- Ready to provide energy efficiency services;
- Diversifying power sources to reduce carbon footprint.

Source: COCHILCO

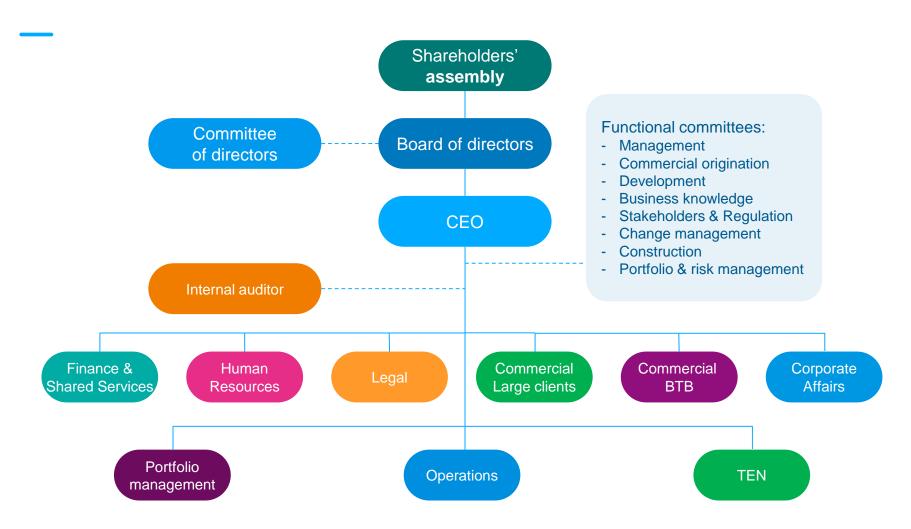




#### **OWNERSHIP STRUCTURE**



#### **EECL ORGANIZATIONAL STRUCTURE**



- The Board of directors includes three independent members out of a total of 7 directors
- The Committee of directors is formed by the three independent members and oversees all transactions among related parties

## FOR MORE INFORMATION ABOUT ENGIE ENERGIA CHILE

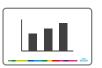
\_\_\_



#### MORE INFORMATION ON 1Q19 RESULTS IN OUR WEB PAGE



Presentation •



Addenda



Press Release



Recorded conference audiocast



Financial report



Analyst pack



## **Disclaimer**

#### **Forward-Looking statements**

This presentation may contain certain forward-looking statements and information relating to Engie Energía Chile S.A. ("EECL" or the "Company") that reflect the current views and/or expectations of the Company and its management with respect to its business plan. Forward-looking statements include, without limitation, any statement that may predict, forecast, indicate or imply future results, performance or achievements, and may contain words like "believe", "anticipate", "expect", "envisage", "will likely result", or any other words or phrases of similar meaning. Such statements are subject to a number of significant risks, uncertainties and assumptions. We caution that a number of important factors could cause actual results to differ materially from the plans, objectives, expectations, estimates and intentions expressed in this presentation. In any event, neither the Company nor any of its affiliates, directors, officers, agents or employees shall be liable before any third party (including investors) for any investment or business decision made or action taken in reliance on the information and statements contained in this presentation or for any consequential, special or similar damages. The Company does not intend to provide eventual holders of shares with any revised forward-looking statements of analysis of the differences between any forward-looking statements and actual results. There can be no assurance that the estimates or the underlying assumptions will be realized and that actual results of operations or future events will not be materially different from such estimates.

This presentation and its contents are proprietary information and may not be reproduced or otherwise disseminated in whole or in part without EECL's prior written consent.

