

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

3Q 2017 Results



# AGENDA

# **Snapshots**

Key messages

Looking forward

Financial update

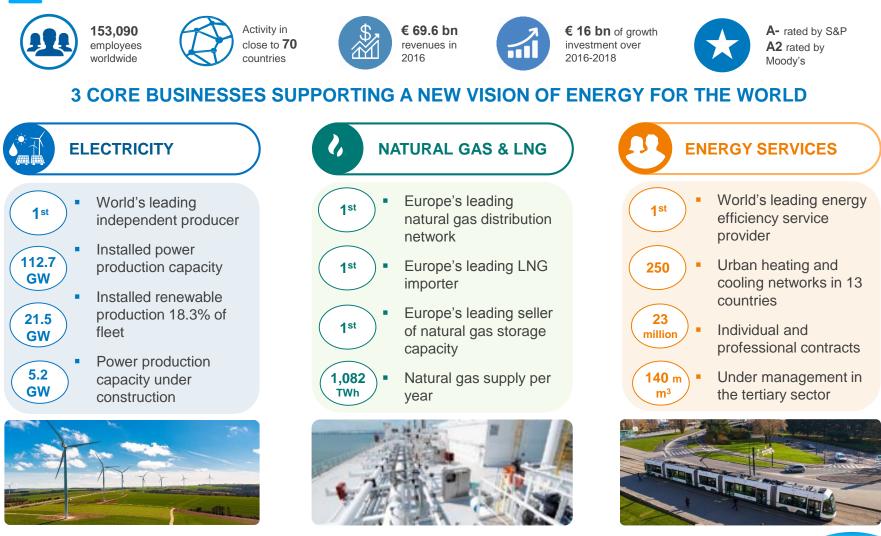
Addenda





#### **ENGIE IN A NUTSHELL**

# **ENGIE: A GLOBAL ENERGY PLAYER**





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# **ENGIE ENERGÍA CHILE**

#### A RELEVANT PLAYER IN THE CHILEAN ENERGY BUSINESS



Relevant player in Chile's power market

- Leader in northern mining region, 4<sup>th</sup> largest electricity generation company in Chile
- ~2GW gross generation capacity
  ~0.3GW under construction
- **3**<sup>rd</sup> largest **transmission** company
- **Seaport** infrastructure, **gas pipeline**



- Capacity contracted under long-term sales agreements; 11.4 years remaining average life
- Strong counterparties
  - Unregulated: mining companies;
  - Regulated: distribution companies

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Upcoming

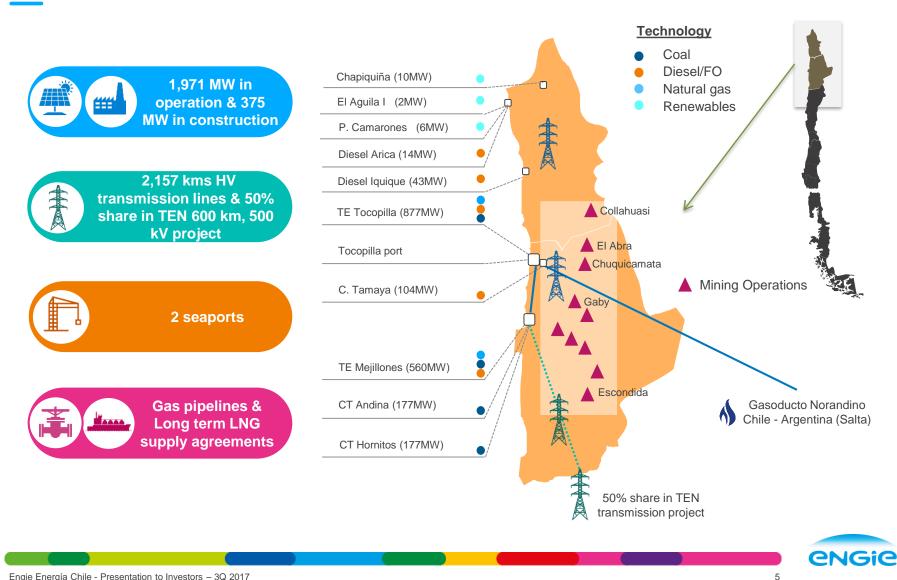
Growth

- New 15-yr regulated PPA w/distribution companies starting 2018 => 43% contracted physical sales growth by 2019
- 50%-owned TEN ~US\$ 0.9 bn transmission project ready to begin operations
- ~US\$ 1 bn new power generation capacity + port to start operations in 3Q18

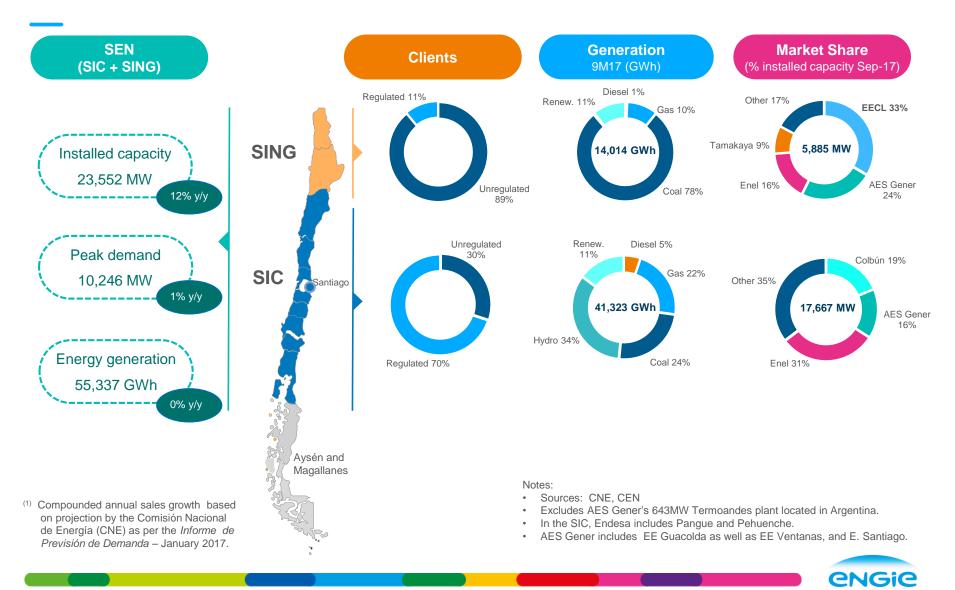


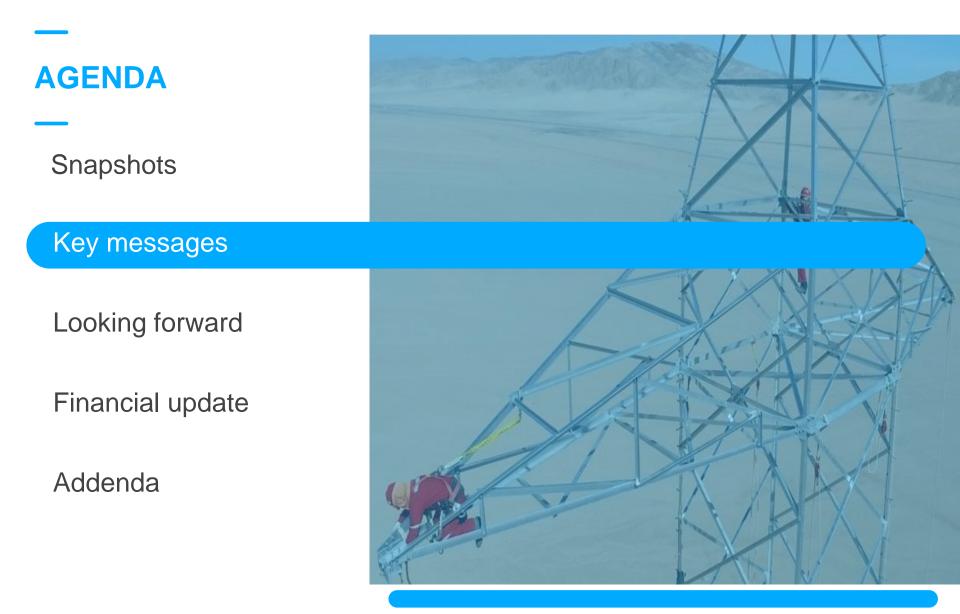
#### ENGIE ENERGÍA CHILE IN A NUTSHELL

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



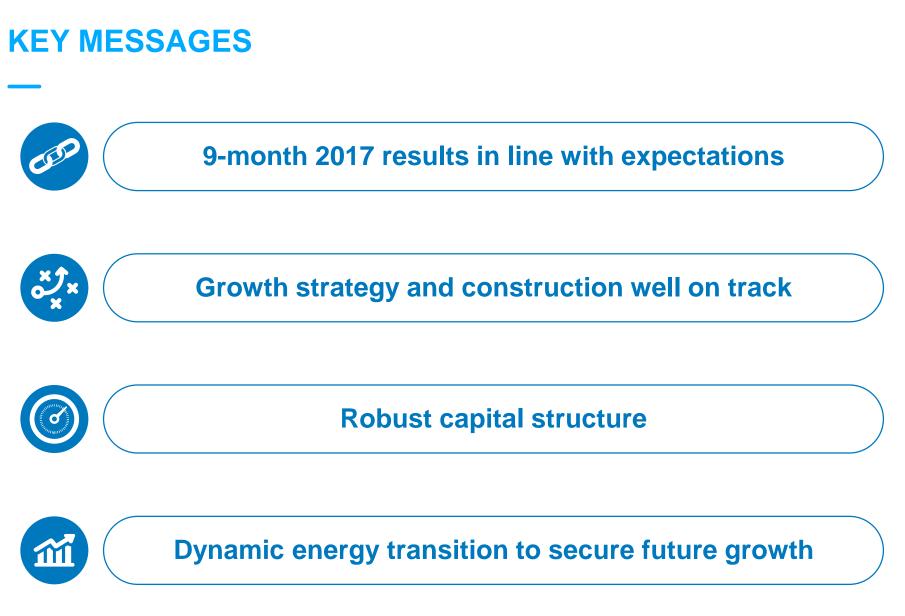
# **TWO MAIN GRIDS READY FOR INTERCONNECTION**





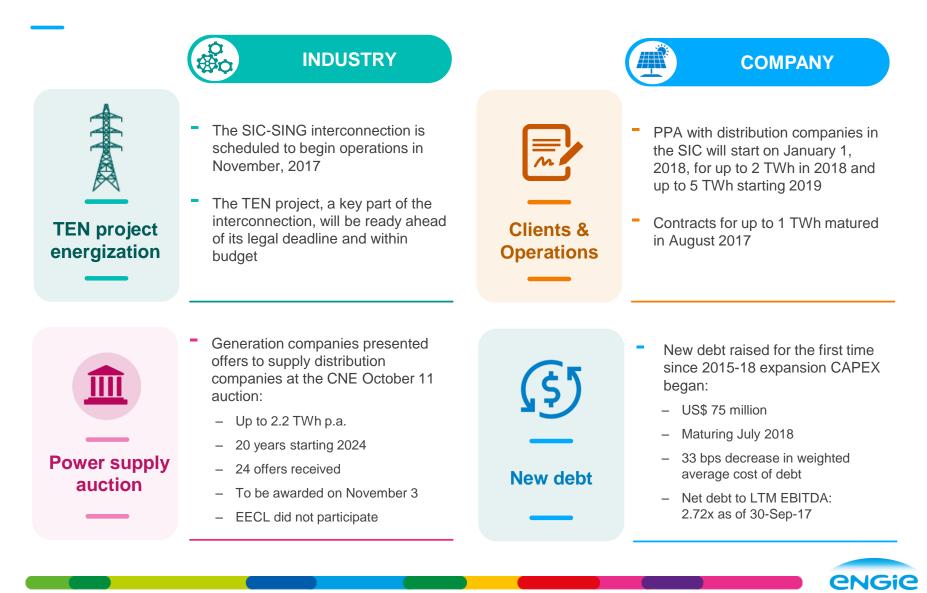


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## **RECENT EVENTS**



# 9-MONTH RESULTS IN LINE WITH EXPECTATIONS

Operating cost savings

 $\bigcirc$  CO<sub>2</sub> taxes, emission-reduction costs, lower physical sales

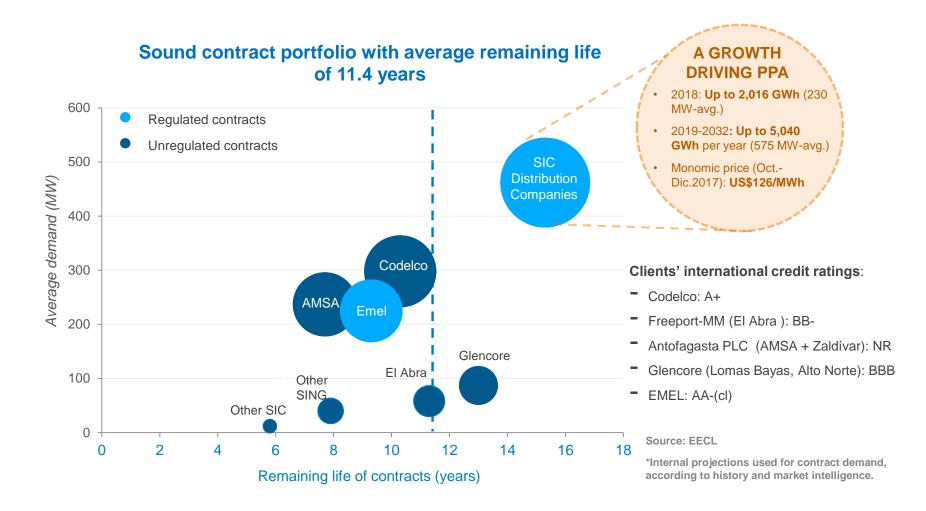
	<b>9M16</b>	9M17	Variation
Operating Revenues (US\$ million)	717.9	782.2	+9%
EBITDA (US\$ million)	218.4	200.5	-8%
EBITDA margin (%)	30.4%	25.6%	-4.8 pp
Net income (US\$ million)	260.6	69.3	-73%
Net income-recurring (US\$ million)	62.8	60.9	-3%
Net debt (US\$ million)	470.0 *	725.7	+54%
Spot energy purchases (GWh)	1,060	2,452	+131%
Physical energy sales (GWh)	6,911	6,505	-6%

- Net Income impacted by non recurring items in 2016
- Increase in net debt related to expansion CAPEX



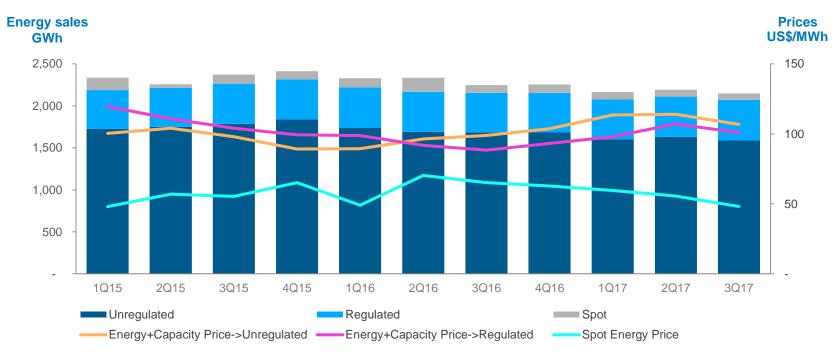
\* As of the end of December 31, 2016

## **DRIVEN BY LONG-TERM CONTRACTS WITH STRONG CLIENTS**





## SUSTAINING RELATIVELY STABLE SALES VOLUMES AND PRICES



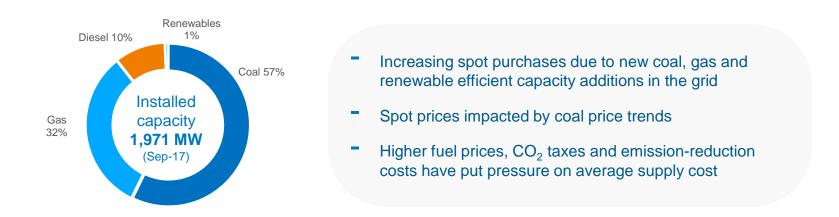
#### **ENERGY SALES AND PRICES**

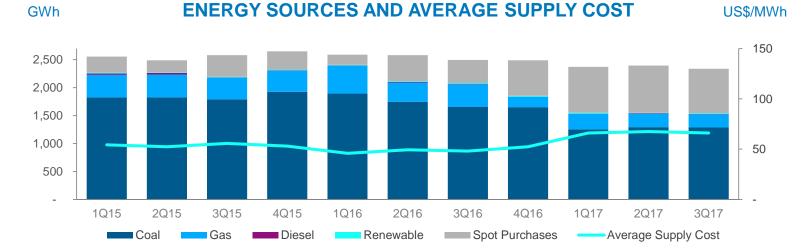
**Energy prices moving in line with fuel prices** 



#### \_\_\_\_ 9-MONTH RESULTS IN LINE WITH EXPECTATIONS

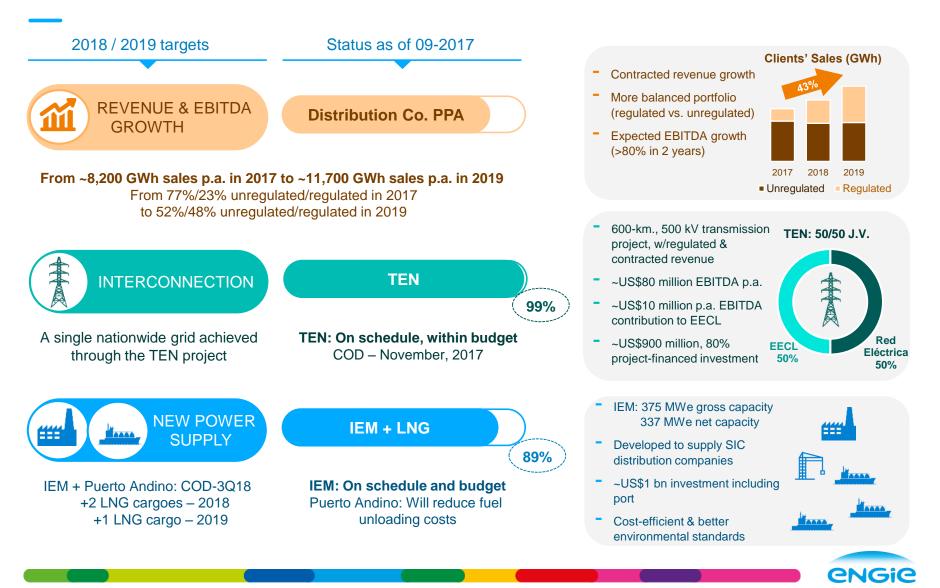
## CLIENTS' NEEDS SUPPLIED WITH OWN GENERATION AND SPOT PURCHASES, WELL HEDGED BY OUR OWN INSTALLED CAPACITY





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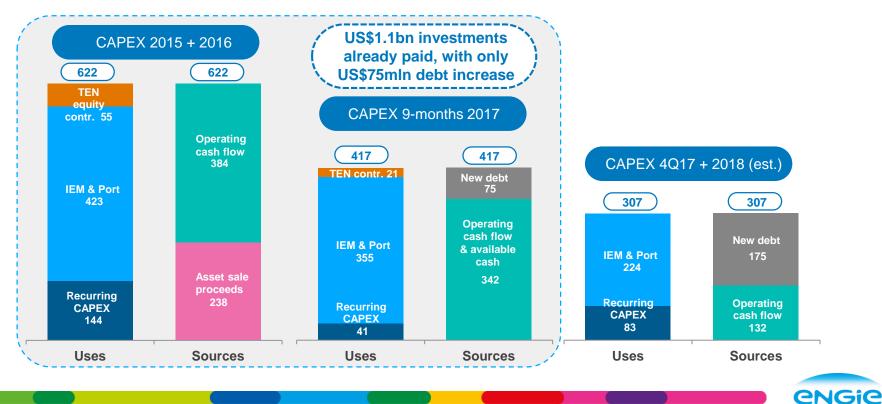
# **NEW PPA: GROWTH AND DIVERSIFICATION ENGINE**



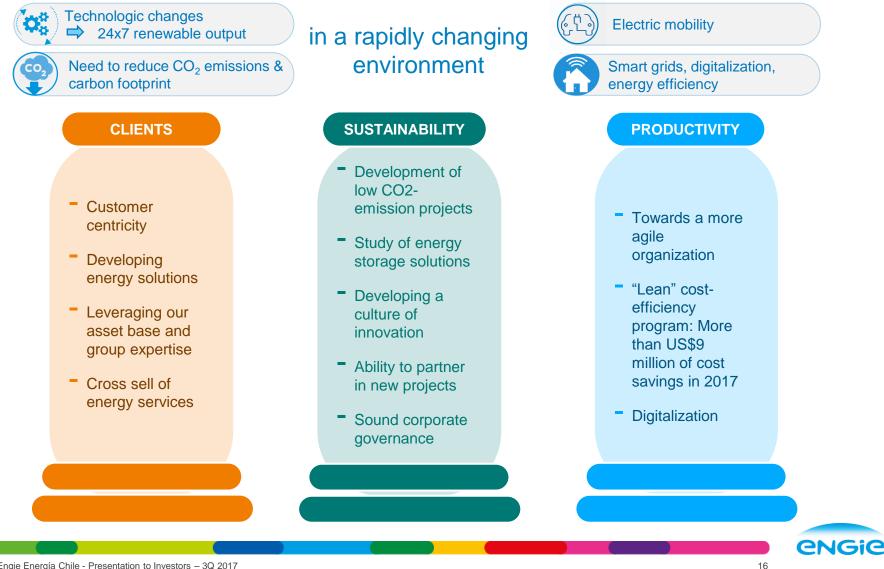
# **GROWTH ACHIEVED WITH HEALTHY CAPITAL STRUCTURE**

#### We have met the objectives of our CAPEX financing program:

- Investment-grade rating preserved (BBB Stable Outlook by S&P and Fitch)
- Dividends lowered to 30% of net income during investment-mode period (2015-2018)
- Proceeds from asset sales (TEN in 2016), operating cash flow and available cash used to finance CAPEX
- Moderate debt increase, with Net debt-to-EBITDA not expected to exceed 3.5x during 2017/18 period
- TEN developed in 50/50 JV with strong transmission operator (Red Eléctrica) and non-recourse project financing (~80:20 debt-to-equity ratio)



# THE 3 PILLARS GUIDING OUR ENERGY TRANSITION PROCESS



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# Looking forward

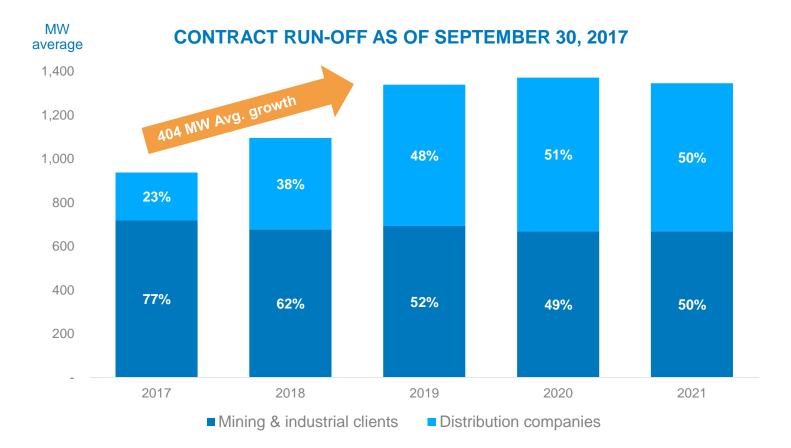
Financial update

## Addenda





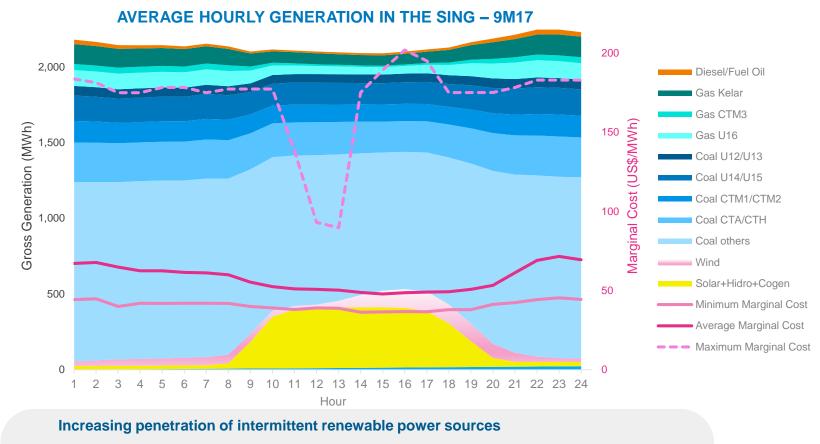
LOOKING FORWARD: AN INDUSTRY FULL OF OPPORTUNITIES AND CHALLENGES STRONGLY CONTRACTED DEMAND, WITH MORE BALANCED PORTFOLIO





Source: Engie Energía Chile

## LEARNING TO LIVE WITH INTERMITTENT POWER SOURCES

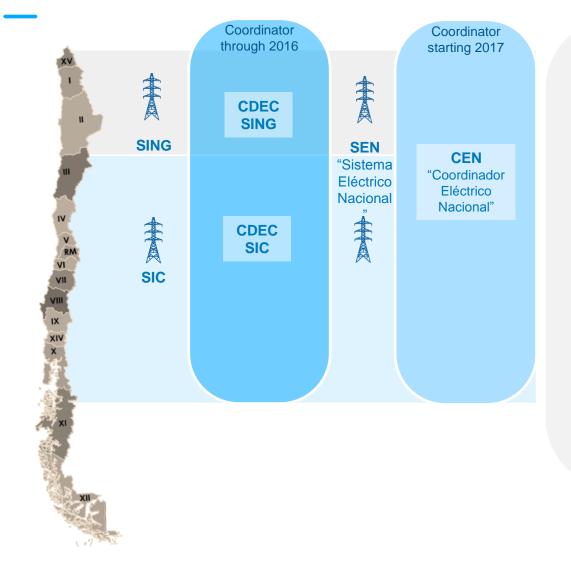


- Lower marginal costs during sun & wind hours
- Higher system costs to cope with intermittent output (more frequent CCGT start-ups, greater spinning reserve required to thermal plants)
- New auxiliary services regulation required
- Need to develop economic 24 x 7 renewable generation solutions



Source: CEN

# THE "SEN": A LARGER MARKET FOR ENGIE ENERGÍA CHILE



# The interconnection of both grids starting late 2017 will...

- be possible thanks to TEN, a project developed by EECL, w/50% sold to Red Eléctrica
- allow EECL to expand its geographic coverage, meet its new contract with distribution companies and diversify its customer base
- soften intermittence of renewable power output
- reduce sensitivity to hydrologic conditions in the SIC
- reduce spot price volatility
- increase competition
- allow solar capacity in "Norte Chico" region to reach demand nationwide



## **RECENT 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)
  - Leveled prices, hourly/ quarterly blocks, early tendering, extended contract durations, force majeure option
- Falling energy prices
- Carbon footprint reduction
  => no indexation to fuel prices



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



- Mining industry down-cycle
- Slower GDP growth
- Energy saving programs
- Smart grid initiatives
- Expected revival of large mining projects
- Electric mobility

But trends could reverse



Additional medium term growth drivers

Focus on green initiatives and cost efficiency (« LEAN »)

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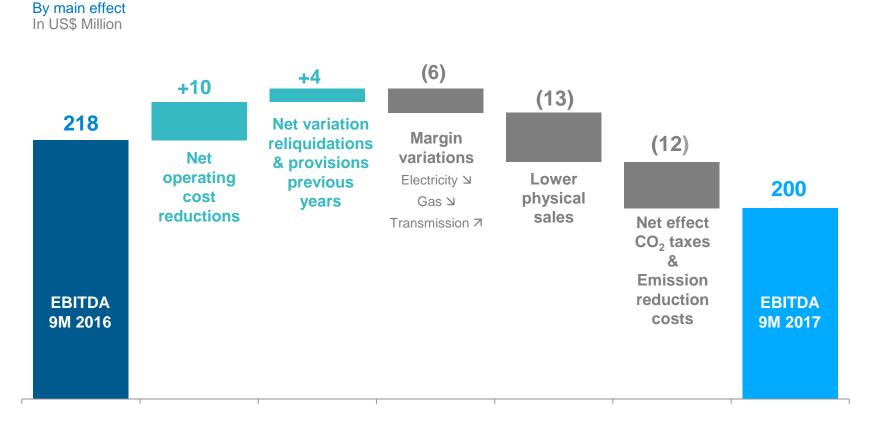
Addenda





#### FINANCIAL UPDATE

# AS EXPECTED, EBITDA IMPACTED BY $CO_2$ TAXES AND LOWER PHYSICAL SALES

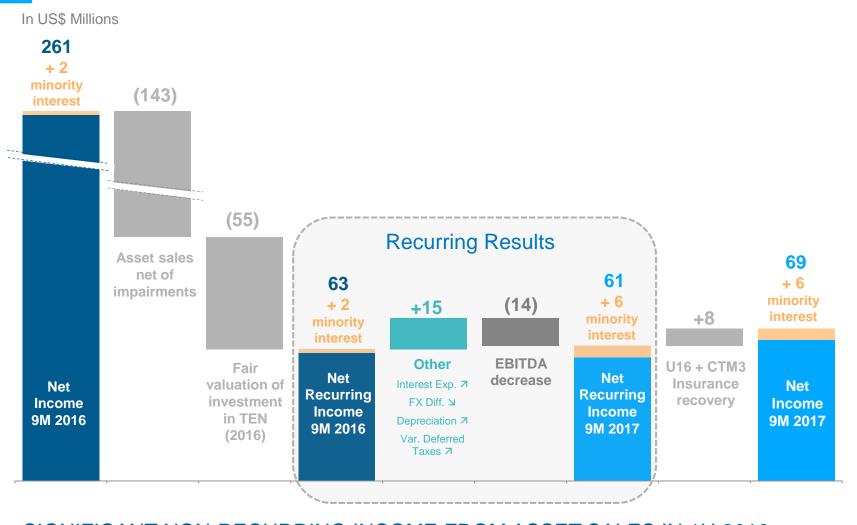


#### LOWER PHYSICAL SALES AND GREEN TAXES PARTIALLY OFFSET BY COST SAVINGS



FINANCIAL UPDATE

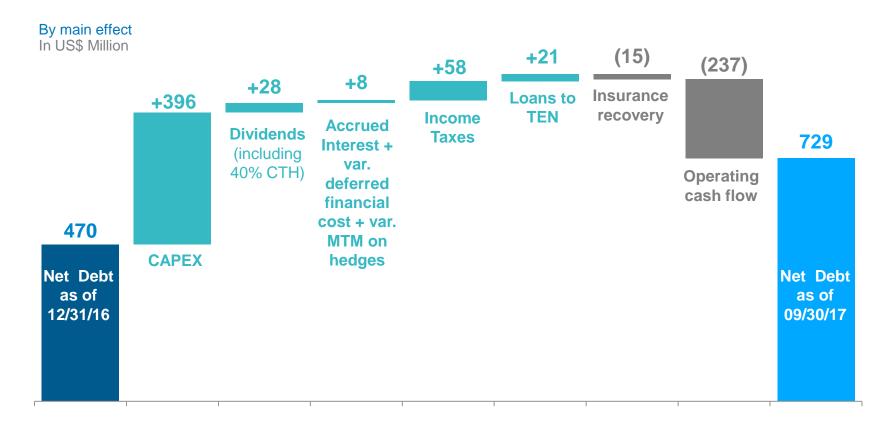
## **RESILIENT NET RECURRING INCOME**



SIGNIFICANT NON-RECURRING INCOME FROM ASSET SALES IN 1H 2016



# **STRONG CASH FLOW GENERATION**



~US\$0.4 bn CAPEX FINANCED WITH AVAILABLE CASH AND OPERATING CASH FLOW, WITH NEW DEBT DRAWINGS OF ONLY US\$ 75 MILLION



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#### FINANCIAL UPDATE

## **ROBUST FINANCIAL STRUCTURE**

- Net Debt/EBITDA well below expected peak level of 3.5x during intensive CAPEX period (2017/2018)
  - Strong cash flow generation
  - Proceeds from asset sales (TEN) in 2016

#### Debt and liquidity facilities:

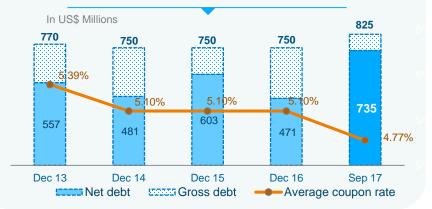
- 5.625%, US\$400 million 144-A/Reg S, 2021 notes (YTM=2.476% @ 09/30/17)
- 4.500%, US\$350 million 144-A/Reg S, 2025 notes (YTM=3.661% @ 09/30/17)
- 1.522%, US\$75 million bank loans maturing July 2018
- US\$270 million bank revolving credit facility maturing June 2020 (undrawn)

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

- S&P & Fitch July 2017
- Feller Rate (Dec-16) & Fitch (Jul-17): A+ (national scale)



#### MODERATE DEBT INCREASE, WITH DECREASE IN AVERAGE COST





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#### **FINANCIAL UPDATE**

## **KEY TAKE-AWAYS**

#### VALUE CREATION FOR OUR STAKEHOLDERS



Development & implementation

- A US\$2 billion 2015-18 investment program will allow EECL to enter the SIC with an excellent PPA portfolio:
  - TEN 1,500 MW, 600-km transmission project and
  - 375 MW IEM coal project,
  - Projects under construction on budget, schedule and performance



- Important growth in client base and portfolio diversification
- Efficient capacity growing in line with strong, long-term PPA portfolio
- LEAN Program: successful execution of G&A, O&M and finance cost optimization plan to adapt to new industry environment



**Strong capital** 

structure

- Successful execution of financing plan:
  - non-recourse TEN project finance
  - US\$ 270 mln revolving credit facility
  - US\$ 500 mln uncommitted shortterm credit lines
  - Minimum dividend pay-out ratio at 30% during strong expansionary CAPEX phase



New developments

- Commercial strategy and new project developments focused on renewables, organic sales, EBITDA and cash generation growth in the medium term
- Ongoing study and development of innovative alternatives to support Chile's growth in a sustainable manner



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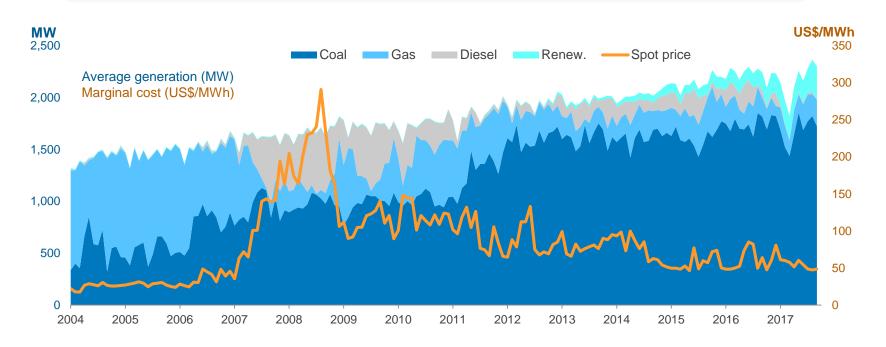


#### **FINANCIAL UPDATE**

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

- No exposure to hydrologic risk until interconnection is fully operative

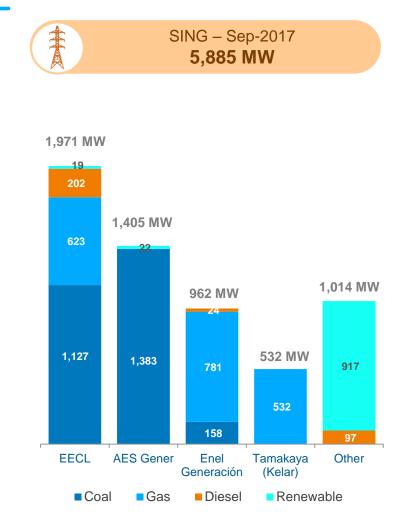
- Long-term contracts with unregulated clients (mining companies) accounting for 89% of demand (bilateral negotiation of prices and supply terms)
- Maximum demand: ~ 2,577 MW in September 2017; expected 3.5% compounded average annual growth rate for the 2017 -2026 period

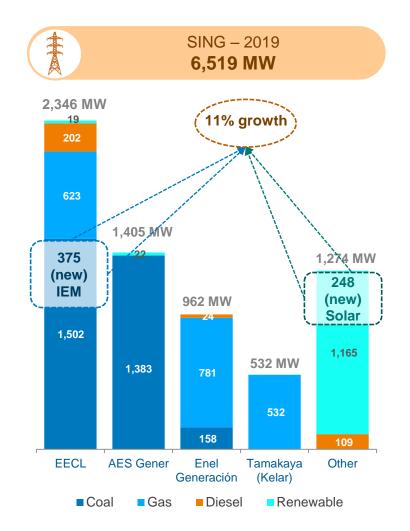




#### ADDENDA

## CAPACITY GROWTH IN THE SING DRIVEN BY EECL'S IEM PROJECT AND OTHER SOLAR PROJECTS





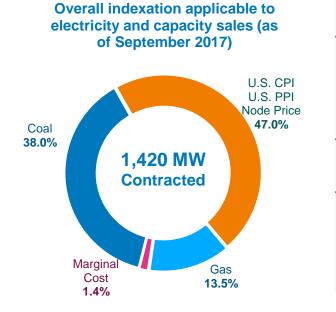
Source:

CNE (www.cne.cl) - Gross installed capacity - SING as of August 2017. Generation projects under construction as of August 2017

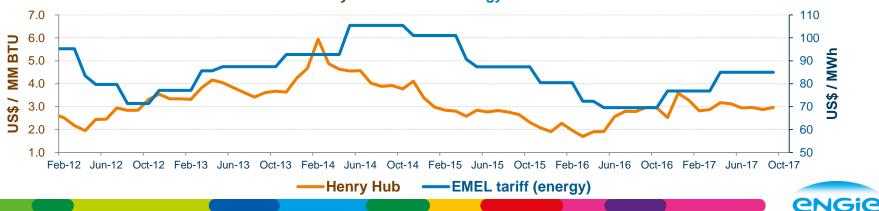


#### ADDENDA

## **PPA PORTFOLIO INDEXATION**



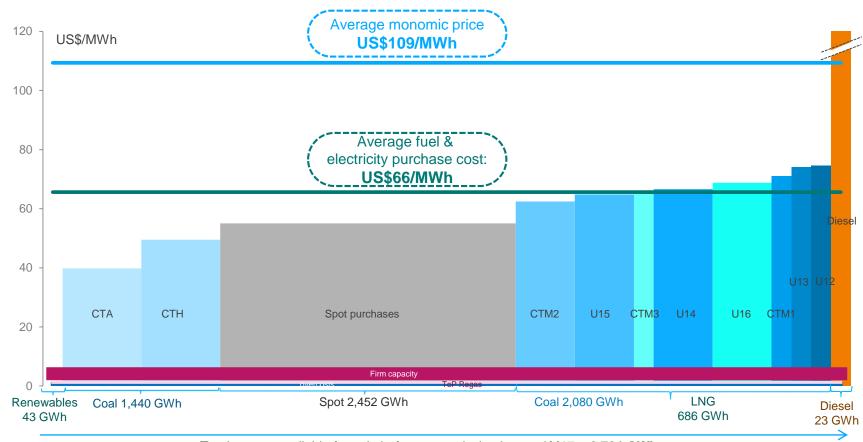
- Monthly tariff indexation for all PPAs except distribution companies (EMEL ~20% of our electricity sales)
- Distribution company PPA tariffs fixed for 6-month periods starting April and October
  - The tariff is set in US dollars and converted to CLP at the average monthly observed CLP/USD rate.
- Capacity tariff per node price published by the National Energy Commission ("CNE")
- Energy tariff adjustment: ~40% US CPI, ~60 % Henry Hub gas price ("HH"):
  - Based on average HH reported in months n-3 to n-6
  - Immediate tariff adjustment triggered in case of any variation of 10% or more



#### Henry Hub vs. EMEL energy tariff



## **ENERGY SUPPLY CURVE**



Total energy available for sale before transmission losses 9M17 = 6,724 GWh

- Generation and operating costs include fixed regasification costs, variable and fixed hydrated lime costs and green taxes.
- Average realized monomic price, spot purchase costs and average cost per MWh based on EECL's accounting records and physical sales per CEN data.
- Average fuel & electricity purchase cost per MWh sold includes the LNG regasification cost, green taxes, firm capacity, self consumption & transmission losses
- System over-costs paid to other generators averaged US\$0.7 per each MWh withdrawn by EECL to supply demand under its PPAs.



#### ADDENDA

Infrastructure -

# TRANSMISORA ELÉCTRICA DEL NORTE S.A. "TEN" (PAGE 1 OF 2)





Regulated

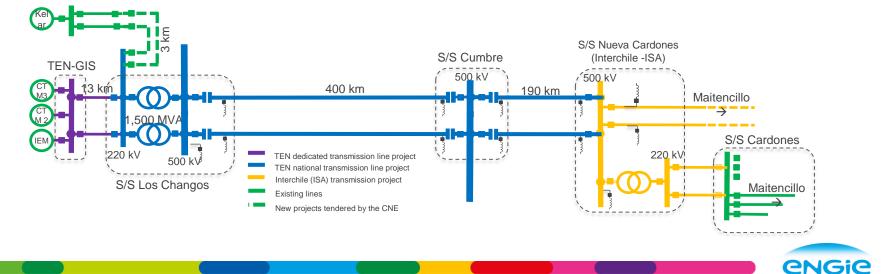
#### Project Highlights

- Double circuit, 500 kV, alternate current (HVAC), 1,500 MW, 600km long transmission line
- National transmission system interconnecting SIC and SING grids
- COD: 4Q17
- Overall progress rate: 99%



Main Contracts

- Regulated revenues on "national assets" + contractual toll on "dedicated assets"
- Turnkey EPC contracts:
  - Transmission lines: Ingeniería y Construcción Sigdo Koppers
  - Substations: GE Grid Solutions
- Project financing (see next slide)



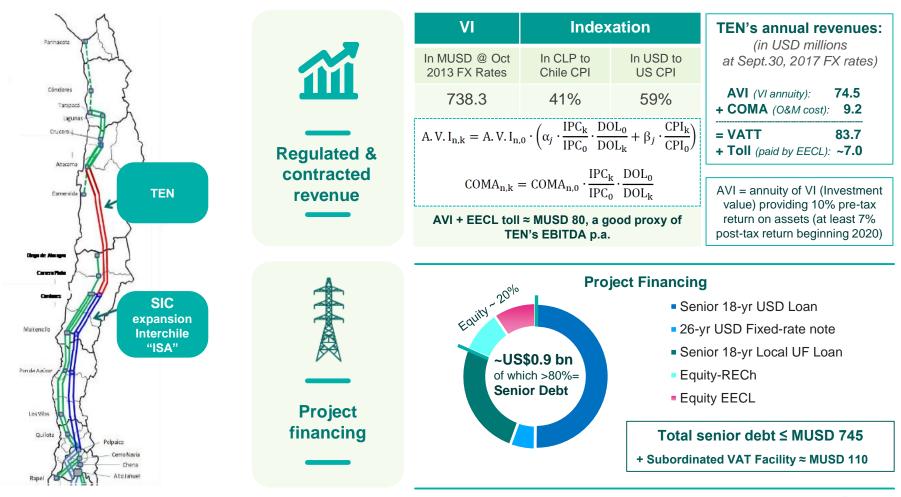
#### **ADDENDA**

Infrastructure -

Regulated

# TRANSMISORA ELÉCTRICA DEL NORTE S.A. "TEN" (PAGE 2 OF 2)

~US\$0.9bn investment, 50%-owned by EECL



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

Thermal contracted + port

**ADDENDA** 

### US\$1.0bn investment, within schedule and budget





- 375MWe gross capacity => 337MWe net base-load capacity
- Pulverized coal-fired power plant meeting strict environmental standards
- Mechanized port, suitable for capesize carriers



Main contracts & Progress

- Developed to supply SIC distribution companies
- Turnkey EPC contracts:
  - IEM plant: SK Engineering and Construction (Korea)
  - Port: BELFI (Chile)
- Overall progress rate as of Sept. 30, 2017: **89%**



Ongoing developments

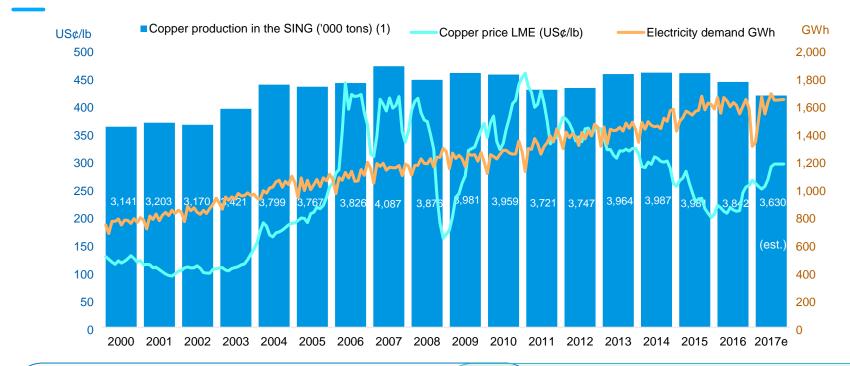
- Scheduled completion date:
  - IEM: 3Q18
  - Port: 1Q18
- US\$ 1.0 billion investment (US\$742 million paid as of 09/30/17)
  - Financed on-balance sheet within EECL







## **COPPER INDUSTRY**



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

- Scarce water resources => increasing sea water pumping and desalinization 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.

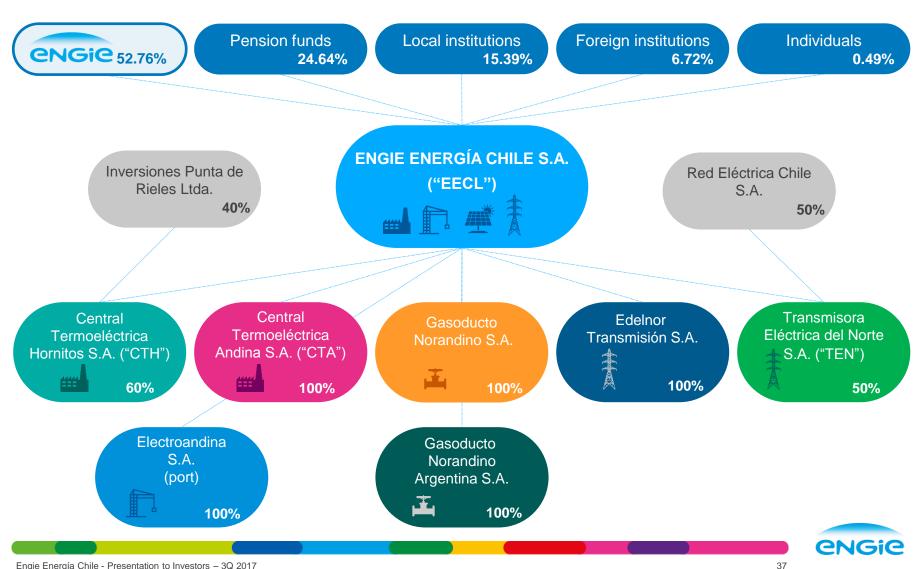
#### Engie is prepared to help our clients:

- 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.
- Copper Produced by SING producers calculated as Chile's total copper production less El Teniente, Andina, Salvador, Los Pelambres, Anglo American Sur, Candelaria and Caserones. Source: COCHILCO





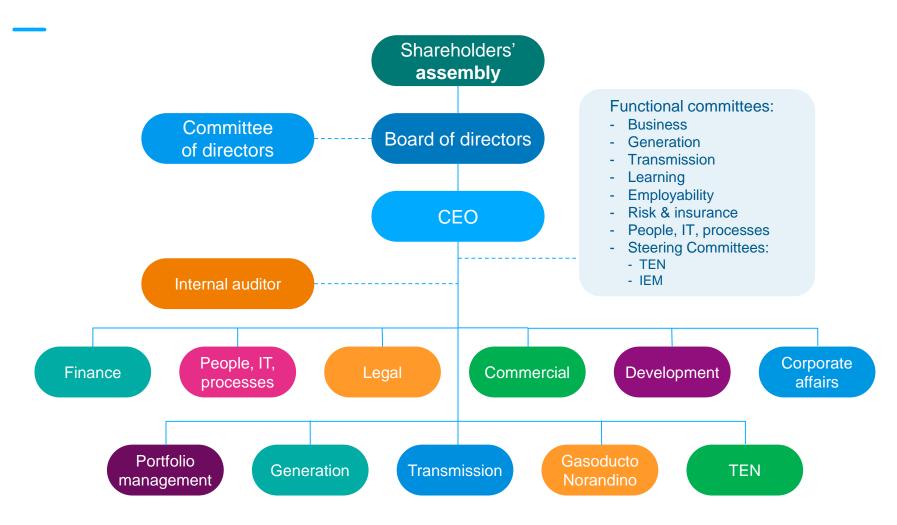
## **OWNERSHIP STRUCTURE**



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#### , ADDENDA

# **EECL ORGANIZATIONAL STRUCTURE**

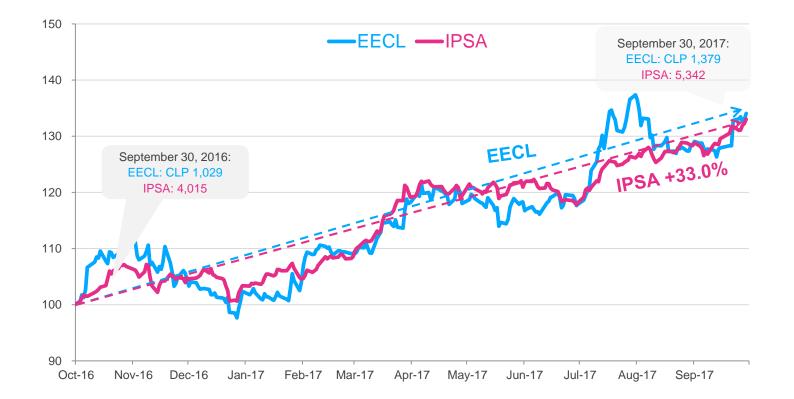


- The Board of directors includes three independent members out of a total of 7 directors
- The Committee of directors is formed by the three independent members and oversees all transactions among related parties

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## **SHARE PRICE EVOLUTION**

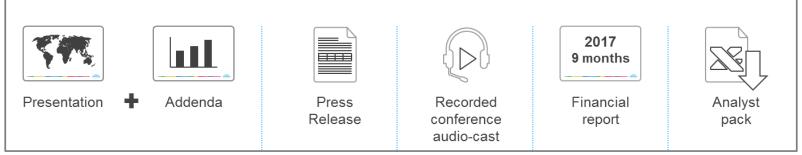


(\*) EECL share price including dividend distribution adjustments

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## FOR MORE INFORMATION ABOUT ENGLE ENERGIA CHILE







# Disclaimer

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

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