



# 2019

Regaining Financial Solidity













Some statements and estimates in this material may represent expectations about future events or results that involve risks and uncertainties known and unknown. There is no guarantee that the events or results referred to in these expectations will occur.

These expectations are based on present assumptions and analyses from the viewpoint of our management, based on their experience, the macroeconomic environment, market conditions in the energy sector and our expected future results, many of which are not under Cemig's control.

Important factors that can lead to significant differences between actual results and projections about future events or results include Cemig's business strategy, Brazilian and international economic conditions, technology, Cemig's financial strategy, changes in the energy sector, hydrological conditions, conditions in the financial markets, uncertainty regarding future results of operations, plans and objectives as well as other factors. Because of these and other factors, our actual results may differ significantly from those indicated in or implied by these statements.

The information and opinions contained herein should not be understood as a recommendation to potential investors and no investment decision should be based on the truthfulness, or completeness as of the date hereof of this information or these opinions. None of Cemig's professionals nor any of their related parties or representatives shall have any liability for any losses that may result from the use of the content of this presentation.

To evaluate the risks and uncertainties as they relate to Cemig, and to obtain additional information about factors that could lead to different results from those estimated by Cemig, please consult the section on Risk Factors included in our Formulário de Referência filed with the Brazilian Securities Commission – CVM, and in Form 20-F filed with the U.S. Securities and Exchange Commission – SEC.

In this material, financial amounts are in R\$ million (R\$ mn) unless otherwise stated. Financial data reflect the adoption of IFRS

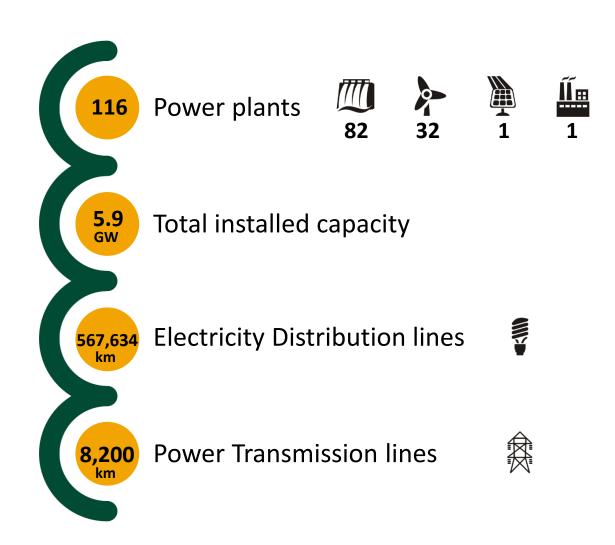




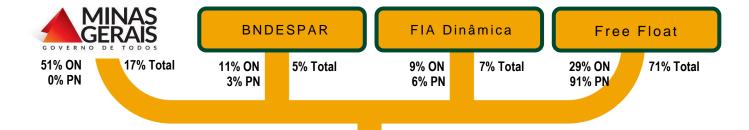
In the Power Industry since 1952

- (1) As of March 06th, 2019
- (2) In the Brazilian Energy Industry
- (3) U\$3.3080 on December 29th, 2017





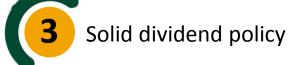






- 1 Based in State of Minas Gerais
- 2 Among the most liquid stocks in Brazil's electricity sector
  - listed on New York, São Paulo and Madrid
  - More than 140,000 shareholders in 38 countries
  - Average daily trading volume in 2018

R\$120.1M in Bovespa and US\$10.4M in NYSE



PA

GO 🖭

Y 0

MT 7 📸

MS





Integrated Power Utility in Brazil



Eletricity **Distributor** 



Group



RR

RO 0

Presence in

states

Generation Group



**Power Transmission** 

**Electricity Distribution** 

Cemig "Free Consumer" Clients

ES 🕥 ES

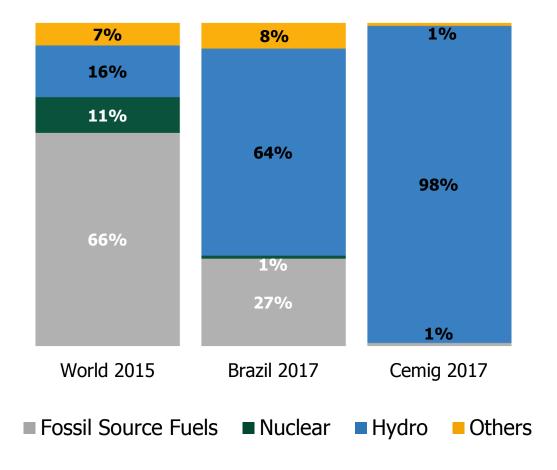
**⊙**¥ RJ

Wind Power Generation

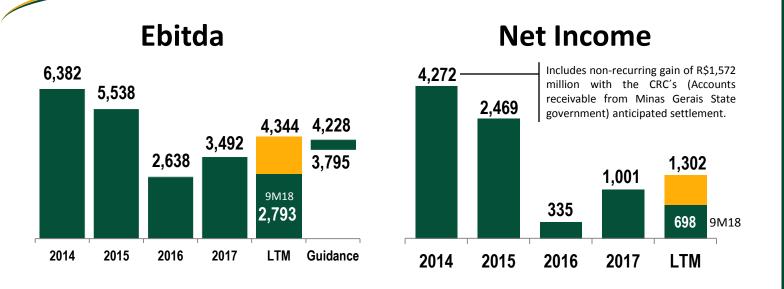
Natural Gas Distribution



# Power Generation by Source

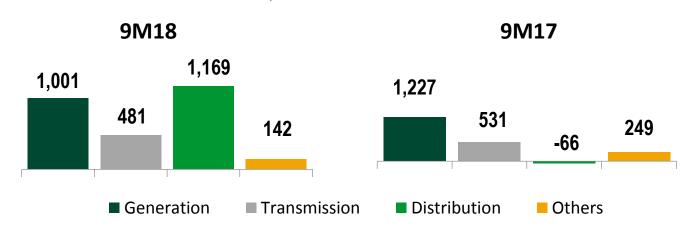






# **Breakdown of Ebitda**

Diversified, Low Risk Business Portfolio



Most of the revenues are inflation protected



# **Bylaws**

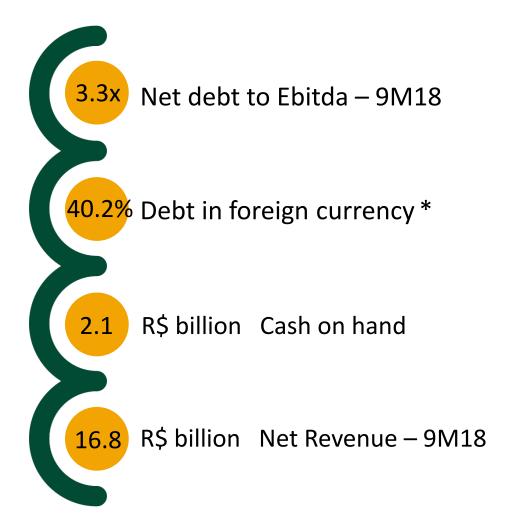
Guaranteed - The minimum annual dividend

Shares	Number of Shares	Guarantee	Minimum Annual
Common	487,614,213	-	
Preferred	971,138,388	R\$ 0.50	R\$ 485.569.194
Total	1,458,752,601	-	R\$ 485.569.194

Minimum payout – 50% of the net profit

# 2018 - Dividend yield 5.9%\*

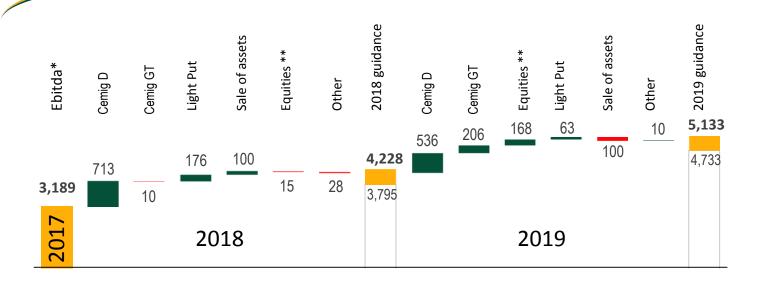
- R\$0.50 per preferred share
- R\$0.03 per common share
- Paid in a single installment on December 28, 2018

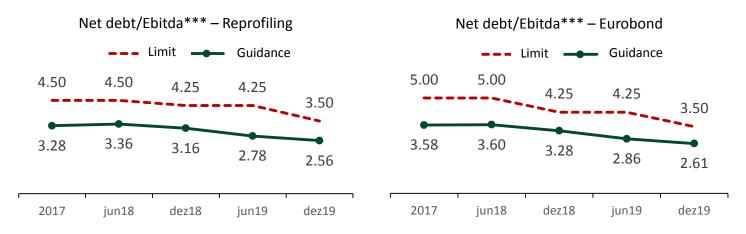


CEMIG

<sup>\*</sup> Debt in Dollar converted into CDI percentage per hedging instrument, within a band of Exchange variation







<sup>\*</sup> Recurring 2017 Ebitda.

Source: Cemig.

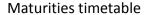
Ebitda IFRS - Constant June 2018 R\$ mn

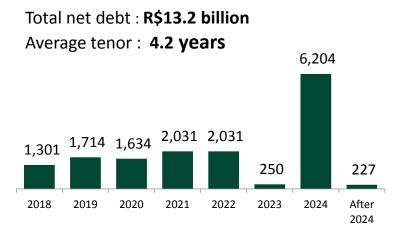
<sup>\*\*</sup> Refers to total of companies in which Cemig H has equity interests, other than Cemig D and Cemig GT.

<sup>\*\*\*</sup> Net debt and Ebitda are adjusted according to the definitions in the debt contracts.

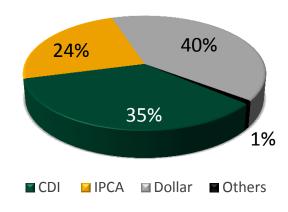


R\$ million - Sep/18





Leverage – %

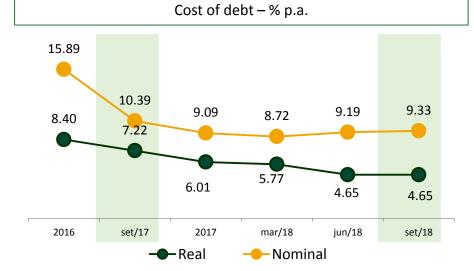


☐ Debt in Dollar converted into CDI percentage per hedging instrument, within a band of Exchange variation

### **Debt information**

Cemig GT used available cash to make early settlement of debt:

- R\$ 741 mn bank credit notes maturing 2019,
   2020, 2021
- R\$ 132 mn in debentures maturing December 2018

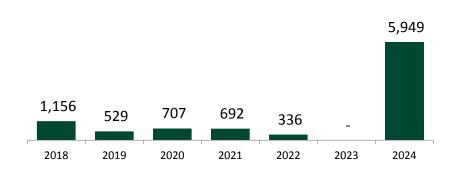




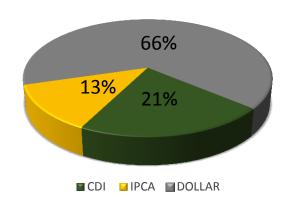
R\$ million - Sep/18

Maturities timetable – Average tenor: 4.1 years

Total net debt: **R\$7.9 billion** Average tenor: **4.7 years** 



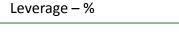
#### Main indexors

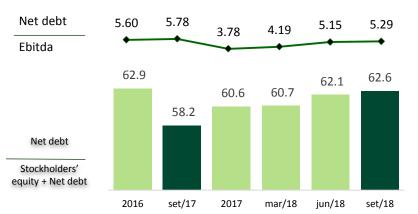


☐ Debt in Dollar converted into CDI percentage per hedging instrument, within a band of Exchange variation



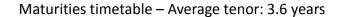


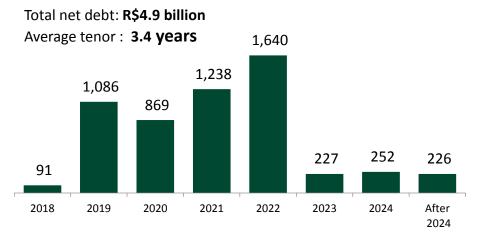




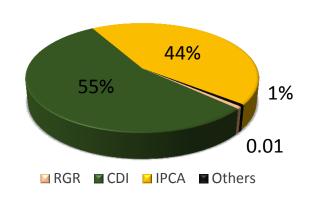


R\$ million - Sep/18

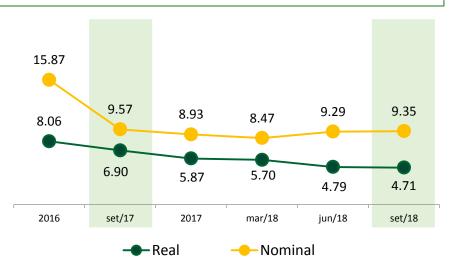




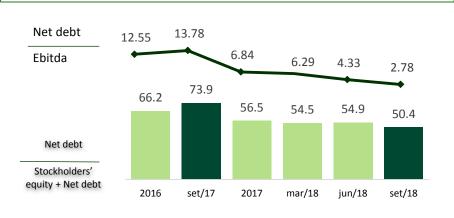
### Main indexors



### Cost of debt – % p.a.



### Leverage - %





# Strategy was designed to deleverage Cemig

Company	Stake %	Amount <i>R\$ MM</i>	Status
			Realized
taesa	9,86%	717	Block trade completed
RANSMINEIRA	25%	80	Transfer, to Taesa, completed (Nov. 2017)
CEMIG TELECOM	100%	649 <sup>(1)</sup>	Auction for sale of assets concluded- August 08, 2018
TOTAL		1.446	

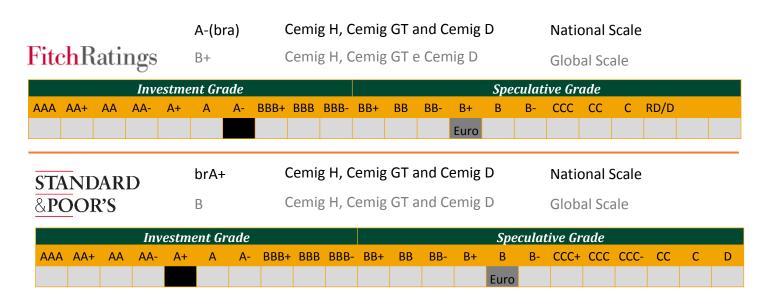
In progress										
RENOVA ENERGIA	-	_ (2)	Restructuring with assets'sale for settlement of pre-payments under PPA							
<b>SLight</b>	48,86%	1.353 <sup>(3)</sup>	New timetable and structure for disposal							
SantoAntônio	18%	1.117 <sup>(4)</sup>	Negociations with potencial purchaser resumed							
CENTROESTE	51%	48 <sup>(5)</sup>	Transfer of 51% position of the shares to Taesa in legal analysis							
GAIMIG	Até 49%	1.180 <sup>(4)</sup>	Structuring of sale model in legal analysis							
Consórcios de Exploração de Gás	24,50%	21 <sup>(4)</sup>	Auction on July 3rd, 2018 had no tenderers / Studies for a new auction							
OPPLEENERGIA  OPPLEENERGIA  OPPLEENERGIA	12%	1.443 <sup>(4)</sup>	Negotiations between private stokholderes for sale of 50,02%							
Cachoeirão, Pipoca, Paracambi	49%	125 <sup>(4)</sup>	Transaction postponed to 2019							
TOTAL		5.287								

#### Notes:

- (1) Total value of bids won on August 8th, 18 auction
- (2) Under evaluation
- (3) Market value (BM&F Bovespa) on May 05 th, 2018: R\$13,58/share
- 4) Book value
- (5) Valuation by the Company



Solid fundamentals assured by excellent financial management, stable profitability, strong cash generation and robust corporate governance.





Baa2.br Cemig H, Cemig GT and Cemig D National Scale

B1 Cemig H, Cemig GT and Cemig D Global Scale

Investment Grade							Speculative Grade														
Aaa	Aa1	Aa2	Aa3	A1	A2	А3	Baa1	Baa2	Baa3	Ba1	Ba2	Ba3	В1	B2	В3	Caa1	Caa2	Caa3	Ca	С	





## Aneel approved readjustment in the Technical Note 45/2018

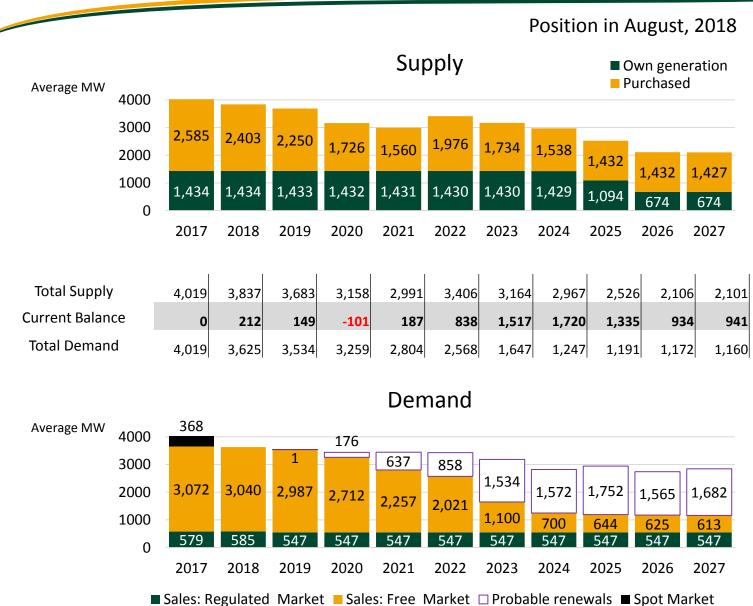
May 28<sup>th</sup> anniversary regulatory date

Main points of the Review for the 4<sup>th</sup> Tariff Cycle:

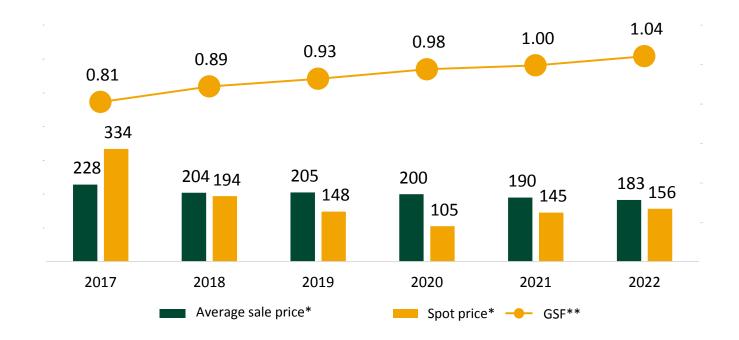
- Investment around R\$ 5 billion
- Investment on 'Special obligations' around R\$ 1.2 billion
- Opex: Cemig D scores above average in efficiency metrics

Regulatory asset base (RAB)	2013	2018
Remuneration Base – gross R\$	15,724	20,490
Remuneration Base – net R\$	5,849	8,906
Average depreciation rate	3.84 %	3.84%
WACC	7.51%	8.09%
Remuneration of the special obligations	-	149
CAIMI R\$	147	333
QRR R\$ - Depreciation (Gross RAB x Dep rate)	590	787
Remuneration of capital R\$ (Net RAB x WACC)	587	1,236









Source: Cemig

<sup>\*</sup> Generation Scaling Factor

<sup>\*\*</sup> Constant R\$/MWh

















# CEMIG

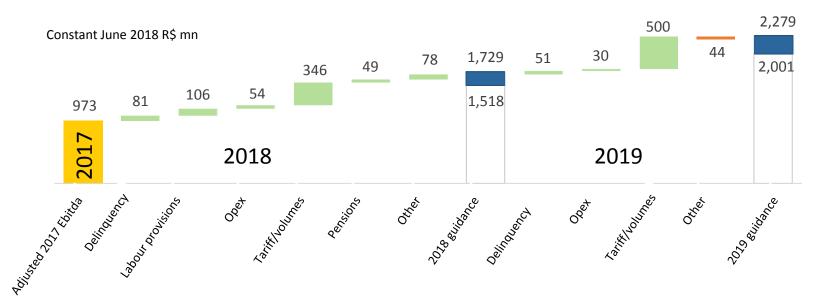
**Investor Relations** 

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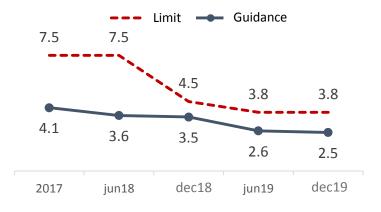
ri@cemig.com.br

http://ri.cemig.com.br





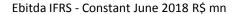


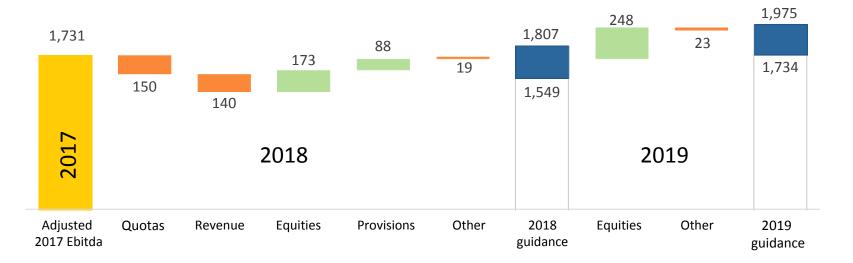


Source: Cemig.

<sup>\*</sup> Adjusted according to definition in the debt contract. Ebitda IFRS - Constant June 2018 R\$ mn





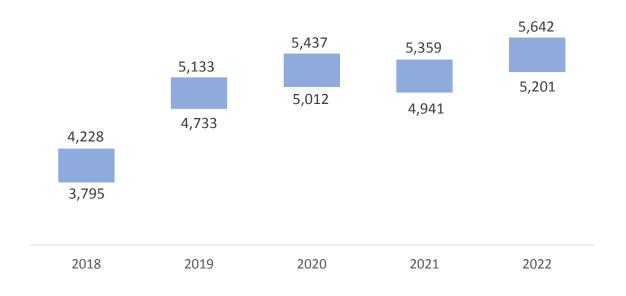




<sup>\*</sup> Net debt and Ebitda are adjusted according to the definitions in the debt contracts.

Source: Cemig.





### Breakdown of Ebitda



Source: Cemig.



### Cemig Consolidated (Guarantor)

#### Maintenance Covenants

Leverage Maintenance								
Covenant Net Debt / Covenant EBITDA	Cemig							
31/Dec/2017 and 30/Jun/2018	5.00x							
31/Dec/2018 and 30/Jun/2019	4.25x							
31/Dec/2019 and 30/Jun/2020	3.50x							
31/Dec/2020 and s/a thereafter	3.00x							

Liens Maintenance	
Total Secured Debt / Covenant EBITDA	Cemig
31/Dec/2017	2.00x
30/Jun/2018 and semi-annually thereafter	1.75x

# Dividend Payments Minimum Legally Required Only

### Cemig GT (Issuer & Restricted Subsidiaries)

#### Maintenance Covenants

Leverage Maintenance	
Covenant Net Debt / Covenant EBITDA	Cemig GT
31/Dec/2017 and 30/Jun/2018	5.50x
31/Dec/2018 and 30/Jun/2019	5.00x
31/Dec/2019 and 30/Jun/2020	4.50x
31/Dec/2020 and 30/jun/2021	3.00x
31/Dec/2021 and s/a thereafter	2.50x

Liens Maintenance	
Total Secured Debt / Covenant EBITDA	Cemig GT
31/Dec/2017 and semi-annually thereafter	1.50x

#### Incurrence Covenants

Limitation on Incurrence of Indebtedness							
Covenant Net Debt / Covenant EBITDA	Cemig GT						
On or Before 31/Dec/2018	5.50x						
On or Before 31/Dec/2019	5.00x						
On or Before 31/Dec/2020	4.50x						
On or Before 31/Dec/2021	3.00x						
Thereafter	2.50x						
(+) General Basket of US\$100mm or 3% of CNTA							

Limitation on Incurrence of Lien	s
Total Secured Debt / Covenant EBITDA	1.50x

Restricted Payments	
% of Net Income from Sept. 30, 2017	Cemig GT
If Cov. Net Debt / Cov. EBITDA > 2.5x	0%
If Cov. Net Debt / Cov. EBITDA ≤ 2.5x	50%
(+) Minimum Legally Required Dividends (	Carve-Out
(+) US\$30mm or PF 2.5x Cov. Net Debt / Co	ov. EBITDA

Asset Sales			
Transaction with Affiliates			
Limitation on Sale and Lease-Backs			
<b>Limitation on Dividend Restrictions on Restricted Subs</b>			
Consolidation, Merger, Conveyance, Sale or Lease			
Change of Control Put @ 101%			

#### Additional Provisions

- Penalty Interest for Failure to Comply with any Maintenance Covenant:
- Penalty Interest for Failure to Implement Bank Debt Refinancing:
- +2.0% p.a. for as long as any Maintenance Covenant is breached
- +2.0% p.a. if Bank Debt Refinancing not implemented by Feb. 15, 2018



12 months		September 30,2018	
R\$ (in million)	GT	Н	
Consolidated Indebtedness	9,369	15,394	
plus debt contracts with Forluz	238	1,052	
plus carrying liability of any put option obligation	424	1,073	
minus escrow account amounts deposited to satisfy any put option obligation	-	(92)	
minus consolidated cash and cash equivalents; plus consolidated marketable securities recorded as			
current assets	(1,256)	(2,065)	
Covenant Net Debt	8,775	15,362	
Covenant EBITDA	2,510	5,401	
Covenant Net Debt / Covenant Ebitda	3.50	2.84	
Total Secured Debt		5,119	
Total Secured Debt / Covenant EBITDA		0.95	

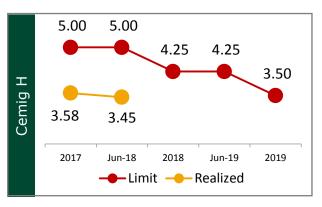


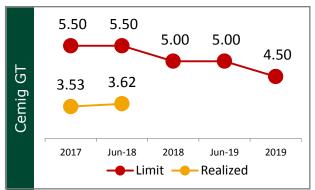
12 months		September 30,2018	
R\$ (in million)	GT	Н	
Net income for the period/year (i)	(92)	1.303	
Net financial expenses	1.265	1.462	
Income tax and Social Contribution tax	204	727	
Depreciation and amortization	144	852	
EBTIDA	1.521	4.344	
minus minority interest result	612	307	
minus provision for the variation in value of the put option obligations	110	311	
minus non-operating result (which includes any gains on asset sales and any asset write-off or impairments)	43	(35)	
minus non-cash credits and gains increasing net income, to the extent they are non-recurring	(243)	(720)	
plus expenses related to adherence to the Minas Gerais State Tax Credits Regularization Plan (Plano de Regularização de Créditos Tributários – PRCT), incurred in the third quarter of 2017	30	562	
minus non-cash revenues related to transmission and generation indemnification	(231)	(231)	
plus cash dividends received from minority investments (as measured in the statement of cash flows)	146	341	
minus monetary updating of concession grant fees	(323)	(323)	
plus cash inflows related to power generation concession grant fee	248	248	
plus cash inflows related to transmission revenue for cost of capital coverage	597	597	
Covenant EBITDA	2.510	5.401	



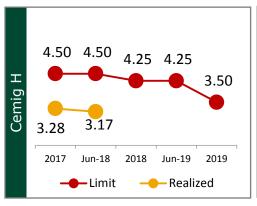
# Net debt/Ebitda

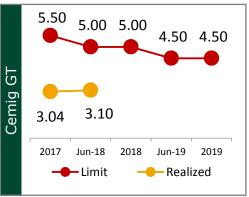
# Eurobonds' Covenant - (LTM – Last twelve months)

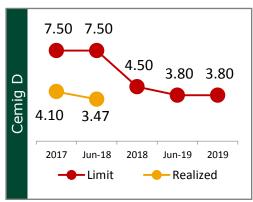




## Reprofiling's Covenant - (LTM – Last twelve months)

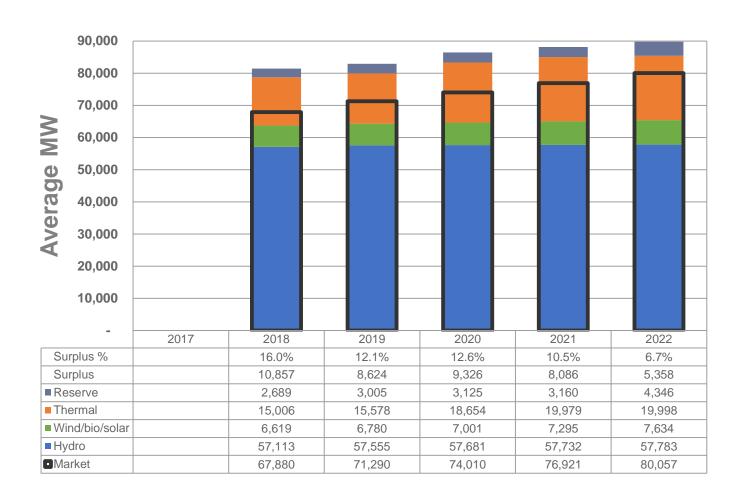








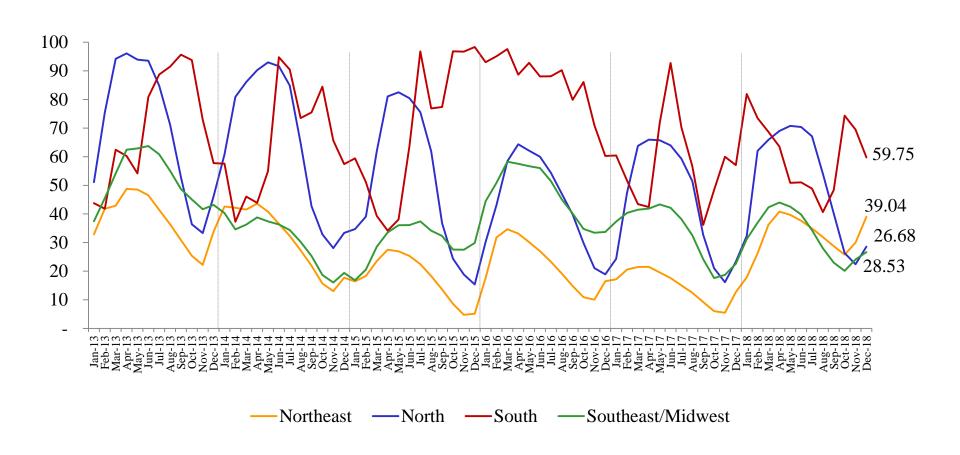
# Made in May 2018



Source: May 2018 monthly operational survey (PMO) (includes contracting of Angra III as Reserve Energy from Jan, 2022),

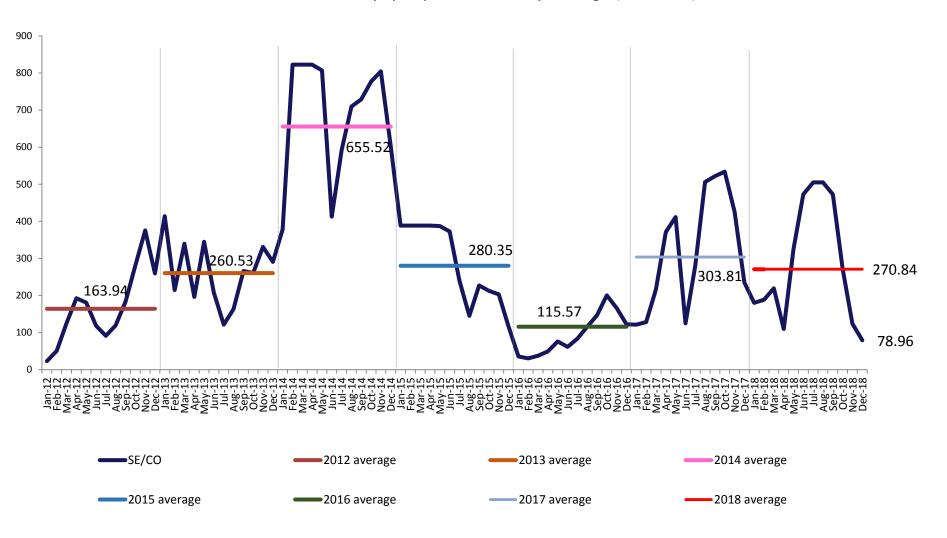


by region (%)\*



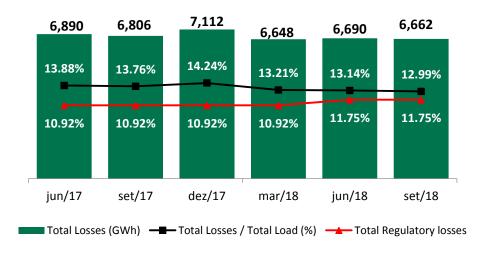


### Brazil: eletricity spot price – monthly average (R\$/MWh)

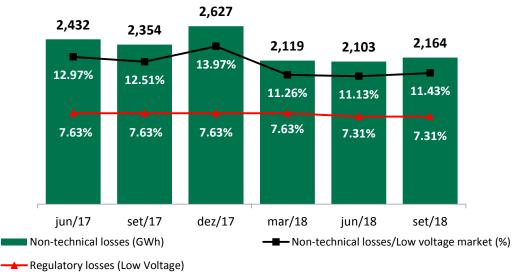




### **Total losses**



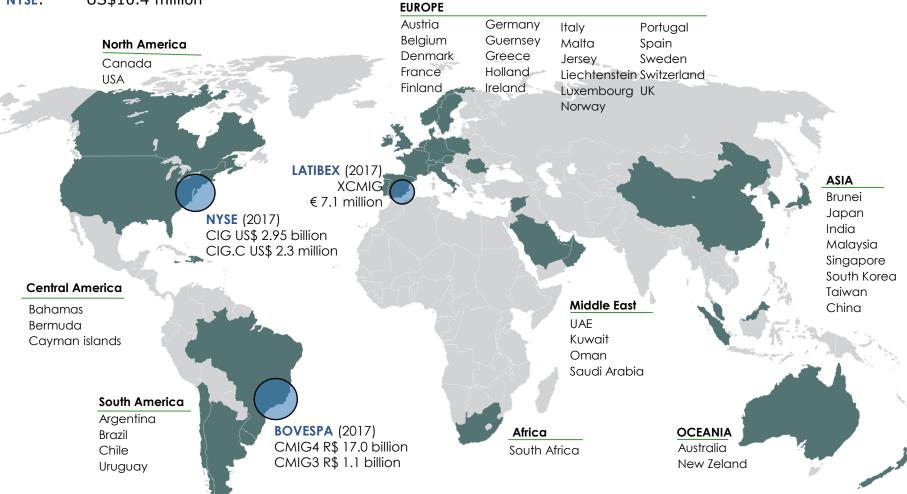
### Non-technical losses/Total Low voltage market





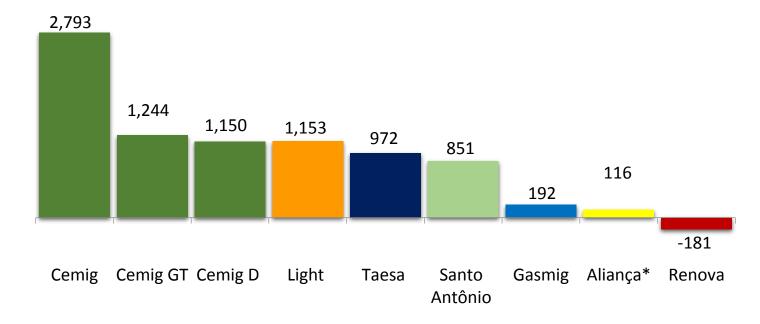
### Average daily trading volume in 2018

BOVESPA: R\$120.1 million NYSE: US\$10.4 million



- Shares traded on 3 stock exchanges
- Over 140,000 stockholders in 38 countries





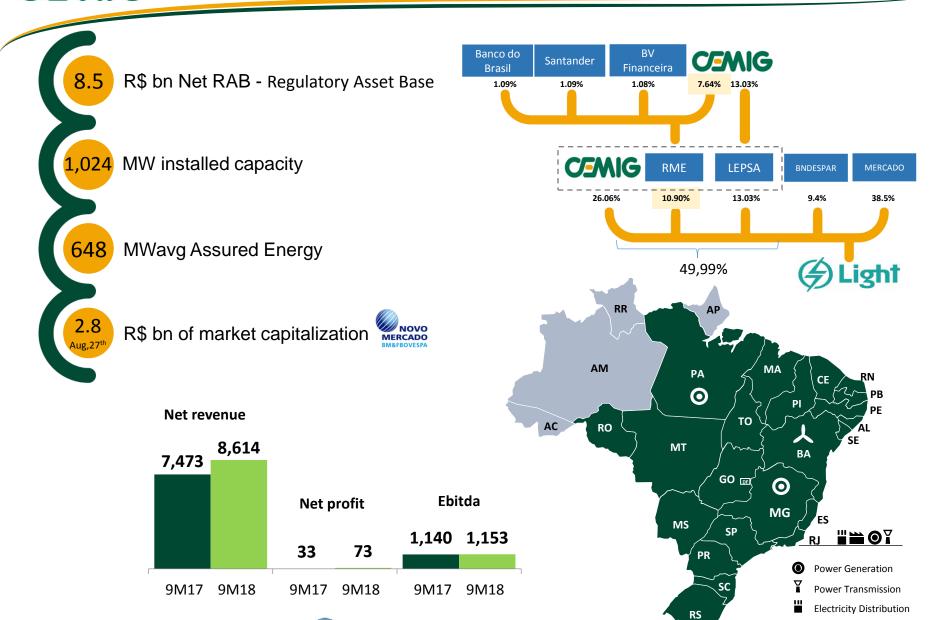
Companies	Ebitda 9M18	% Cemig	Proportional	Guidance 2018	
Cemig	2,793			3,795 - 4,228	
Cemig GT	1,244	100%	1,244	1,549 - 1,807	
Cemig D	1,150	100%	1,150	1,518 - 1,729	
Light	1,153	48.86%	563		
Taesa	972	21.68%	211		
Aliança*	116	45%	52		
Gasmig	192	99.57%	191		
Santo Antônio	851	18%	153		
Renova	(181)	36.23%	(66)		

<sup>\*</sup> Estimate

Cemig "Free Consumer" Clients

→ Wind Power Generation





STANDARD Baa1.br

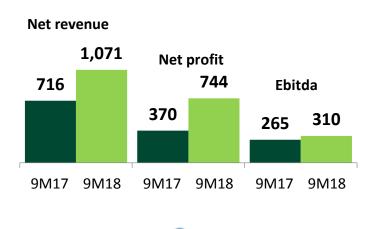
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FitchRatings A+(bra)

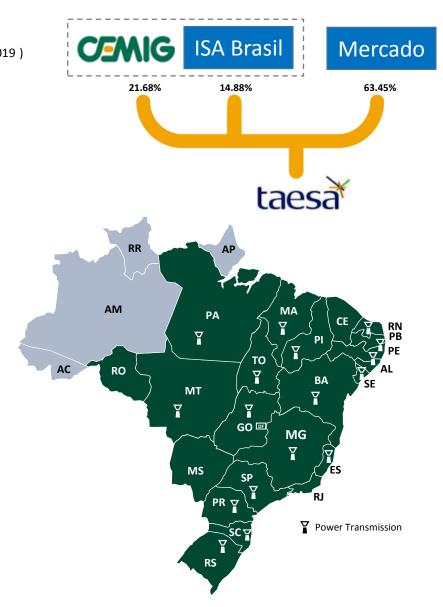




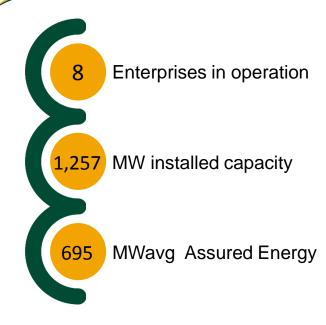




FitchRatings AAA(bra) Aaa.br



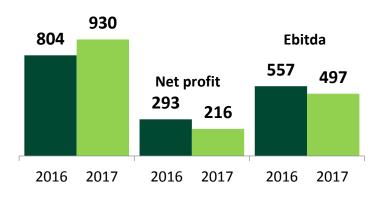












FitchRatings AAA(bra)

