XVI Encontro Anual
CEMIG-APIMEC

CEMIG GT and the grid: Supply/demand balance

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A Melhor Energia do Brasil.

Brazilian National Grid (“SIN”)

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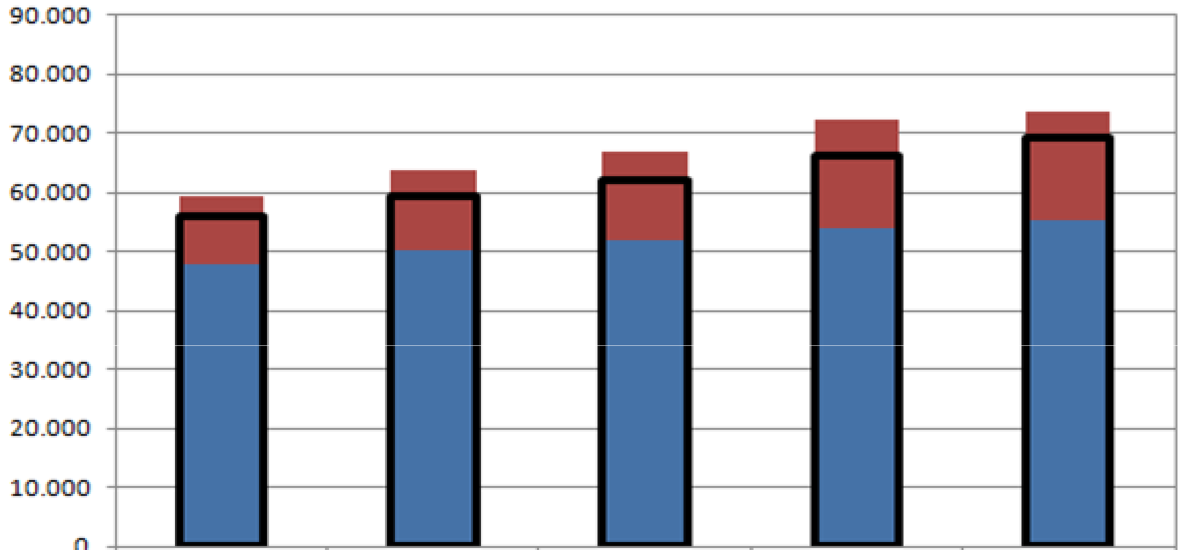
Supply structure (average MW)



	2010	2011	2012	2013	2014
Thermal	11.340	13.383	14.923	18.385	18.407
Hydro	48.017	50.370	51.783	53.882	55.321
Market	55.922	59.347	62.018	66.320	69.332
Balance	3.435	4.406	4.688	5.947	4.396
Balance, %	6,1%	7,4%	7,6%	9,0%	6,3%

Source: PMO, May 2010; Cemig research (as shown last year at Apimec 2010), and an estimated GDP of 6% in 2010 and 5% for the 2011-2014 period

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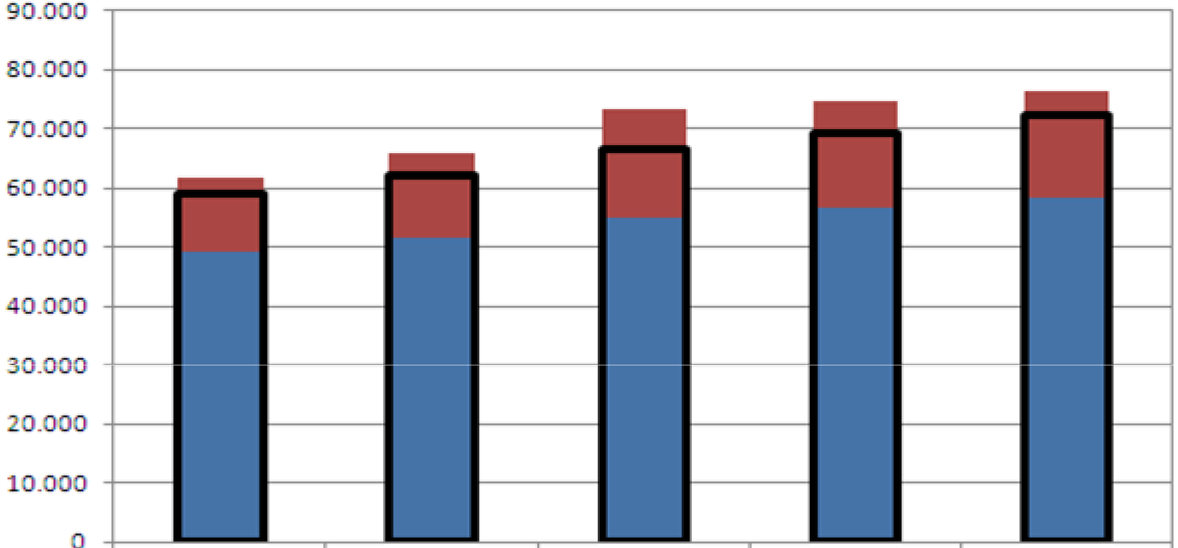
Supply structure (average MW)



	2011	2012	2013	2014	2015
Thermal	12.334	14.199	18.194	18.215	18.215
Hydro	49.331	51.679	54.984	56.545	58.260
Market	59.069	62.201	66.366	69.266	72.188
Balance	2.596	3.677	6.811	5.494	4.287
Balance, %	4,4%	5,9%	10,3%	7,9%	5,9%

Sources: PMO, May 2011; Cemig research and an estimated GDP of 5% for the 2011-2015 period

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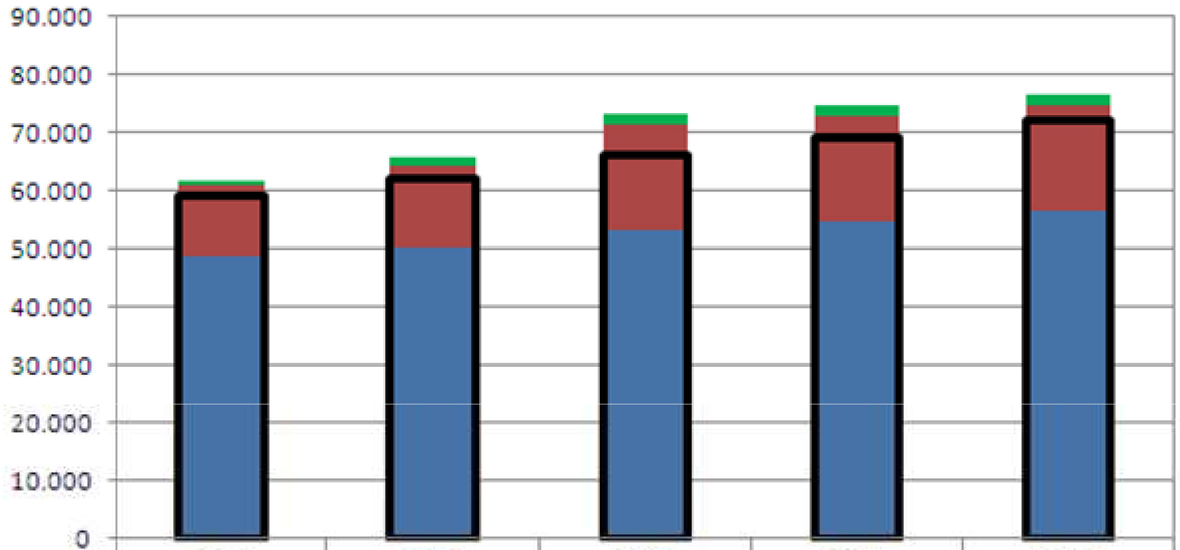
Supply structure (average MW)



	2011	2012	2013	2014	2015
Reserve	480	1.400	1.716	1.743	1.746
Thermal	12.334	14.199	18.194	18.215	18.215
Hydro	48.851	50.279	53.267	54.802	56.514
Market	59.069	62.201	66.366	69.266	72.188
Balance	2.116	2.277	5.095	3.751	2.541
Balance, %	3,6%	3,7%	7,7%	5,4%	3,5%

Sources: PMO, May 2011; Cemig research and an estimated GDP of 5% for the 2011-2015 period

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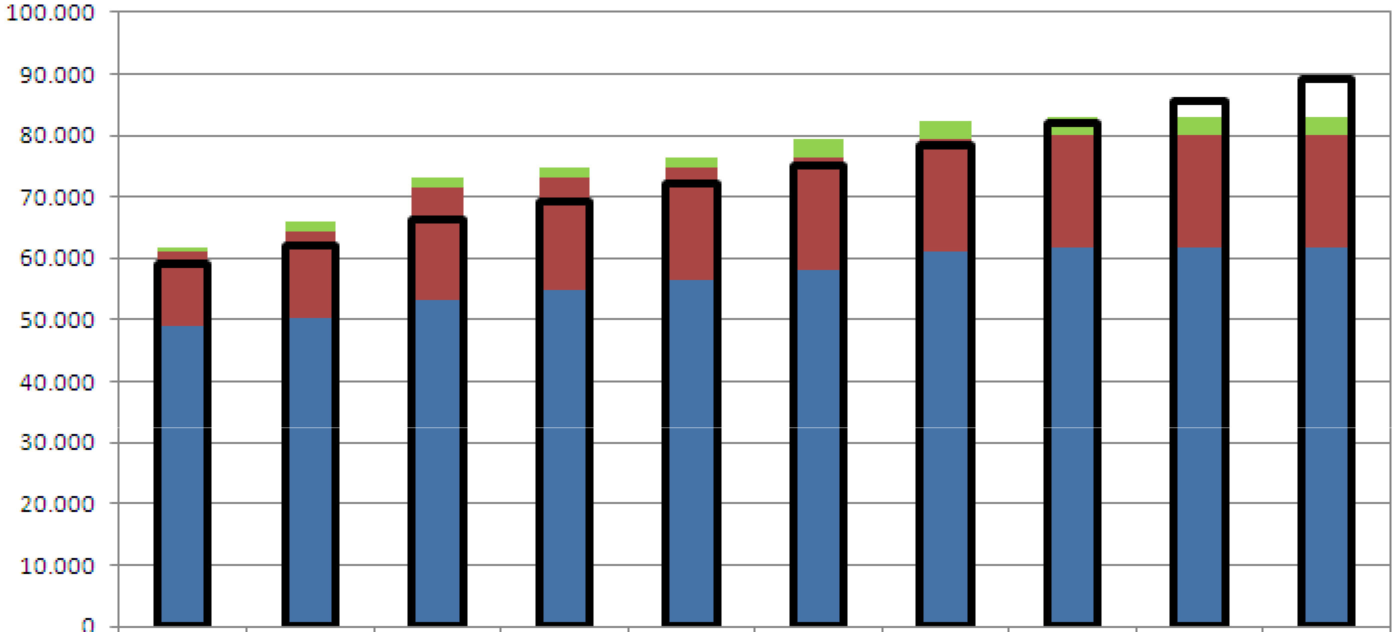
Structural energy balance (average MW)



	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Reserve	480	1.400	1.716	1.743	1.746	2.987	2.987	2.987	2.987	2.987
Thermal	12.334	14.199	18.194	18.215	18.215	18.215	18.215	18.215	18.215	18.215
Hydro	48.851	50.279	53.267	54.802	56.514	58.201	61.198	61.789	61.789	61.789
Market	59.069	62.201	66.366	69.266	72.188	75.224	78.456	81.972	85.517	88.986
Balance, %	3,6%	3,7%	7,7%	5,4%	3,5%	1,6%	1,2%	-2,4%	-6,4%	-10,1%
Balance	2.116	2.277	5.095	3.751	2.541	1.192	958	-1.968	-5.513	-8.982

Sources: PMO, May 2011; PDE, 2019; Cemig research and an estimated GDP of 5% for the 2011-2020 period

CEMIG GT – Supply-demand balance

Apimec 2010

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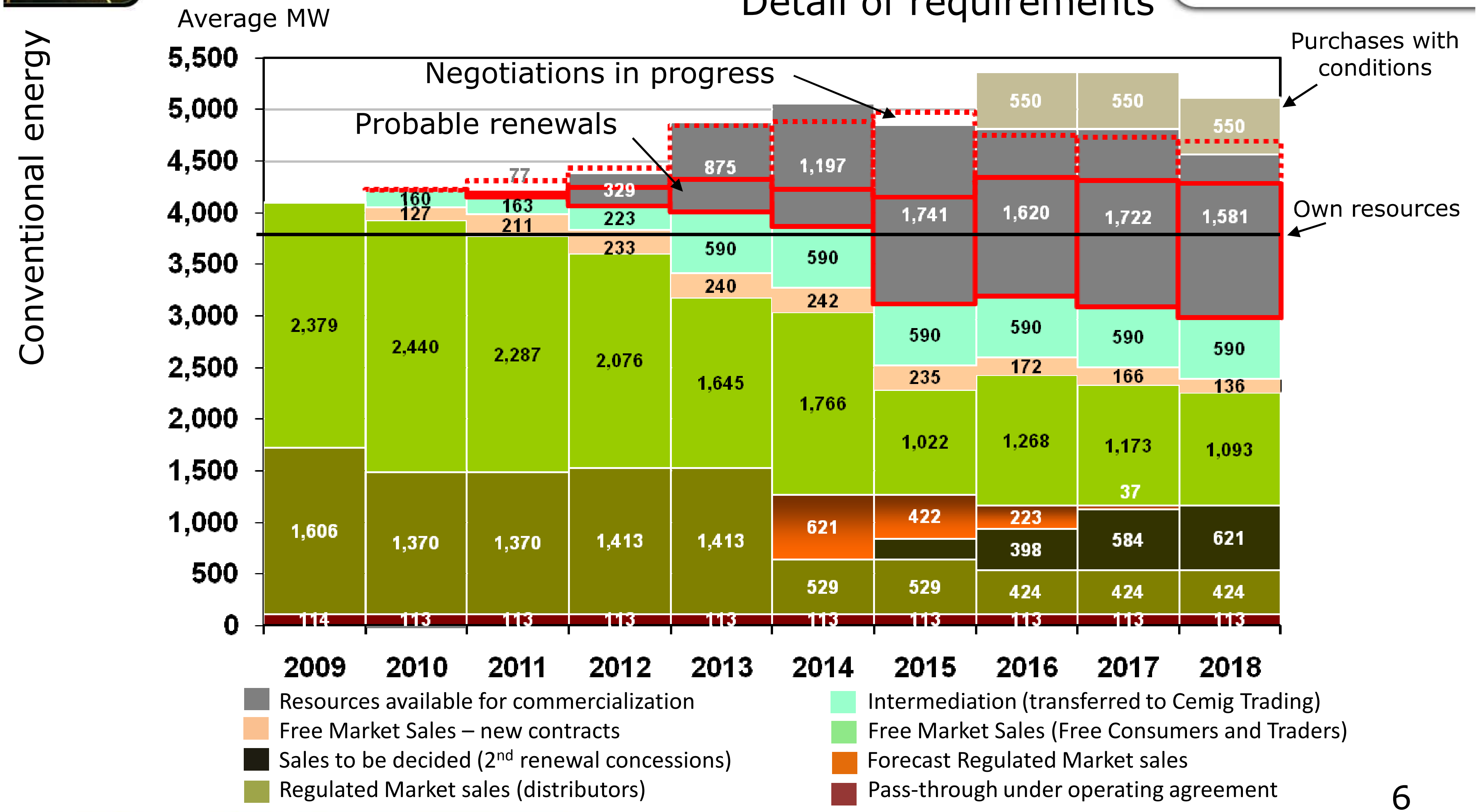
Detail of requirements



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CEMIG GT – Supply-demand balance

Apimec 2011

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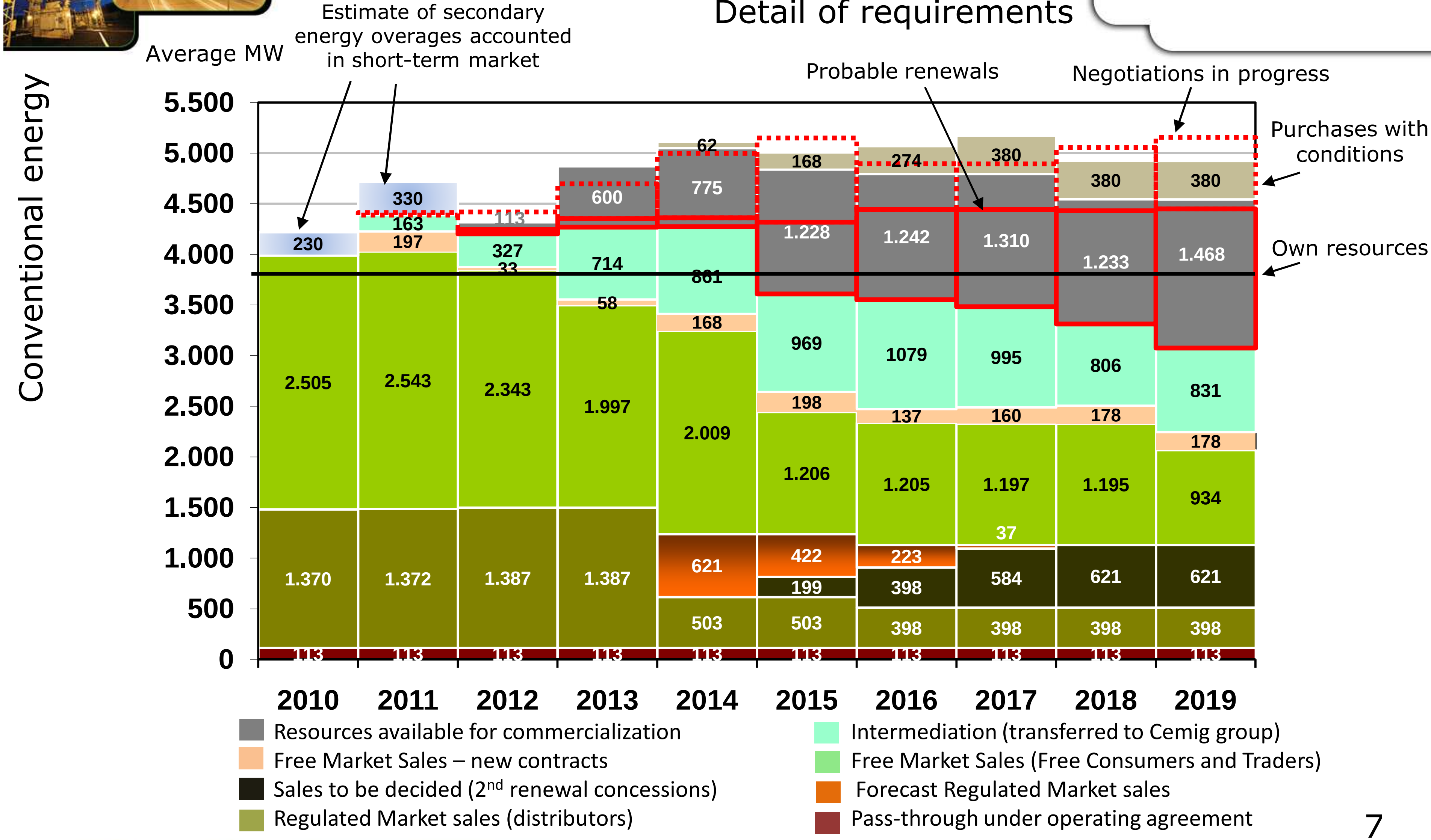
Detail of requirements



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CEMIG GT – Supply-demand balance

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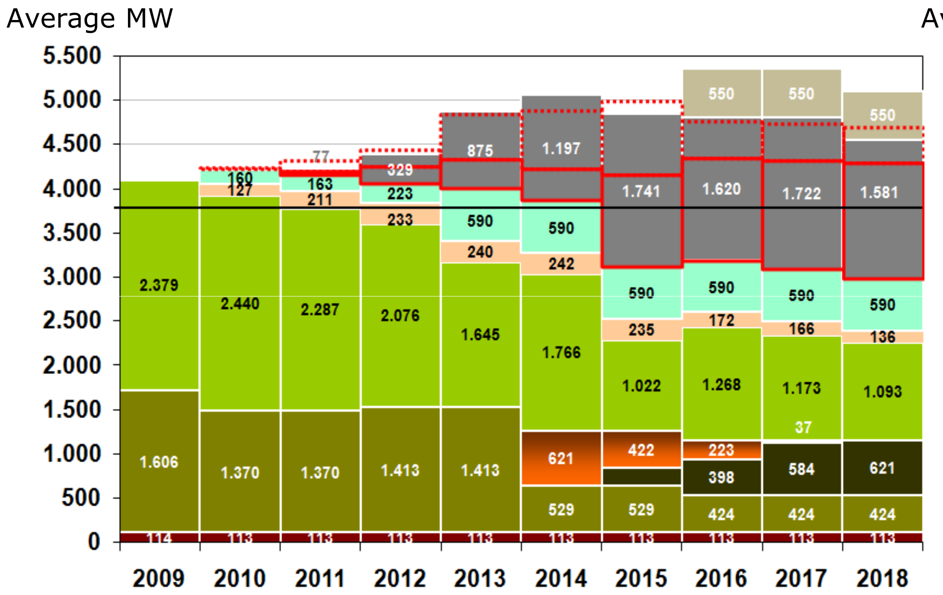
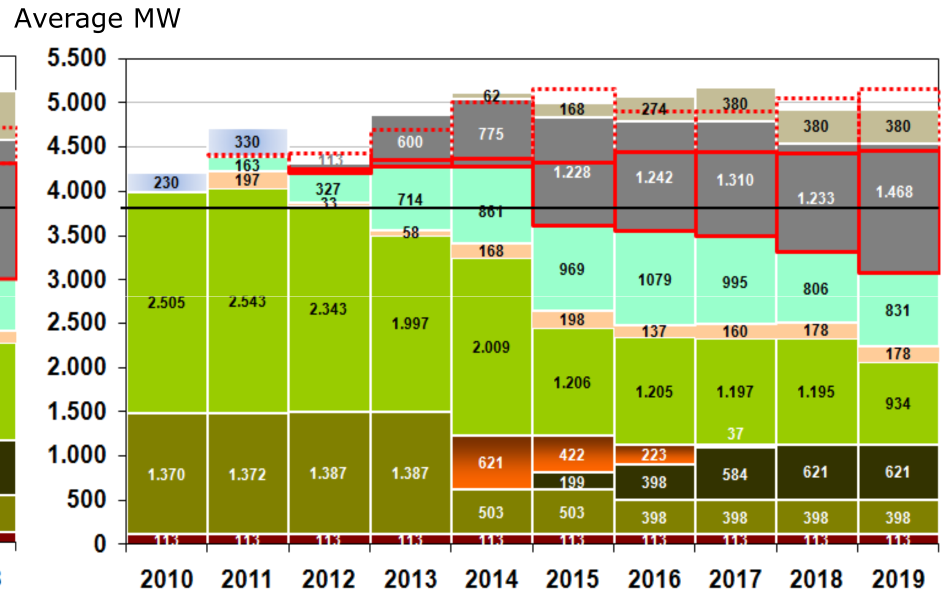
Conventional energy

APIMEC 2010



APIMEC 2011



- Resources available for commercialization
- Free Market Sales – new contracts
- Sales to be decided (2nd renewal concessions)
- Regulated Market sales (distributors)
- Intermediation (transferred to Cemig group)
- Free Market Sales (Free Consumers and Traders)
- Forecast Regulated Market sales
- Pass-through under operating agreement

CEMIG GT – Supply-demand balance

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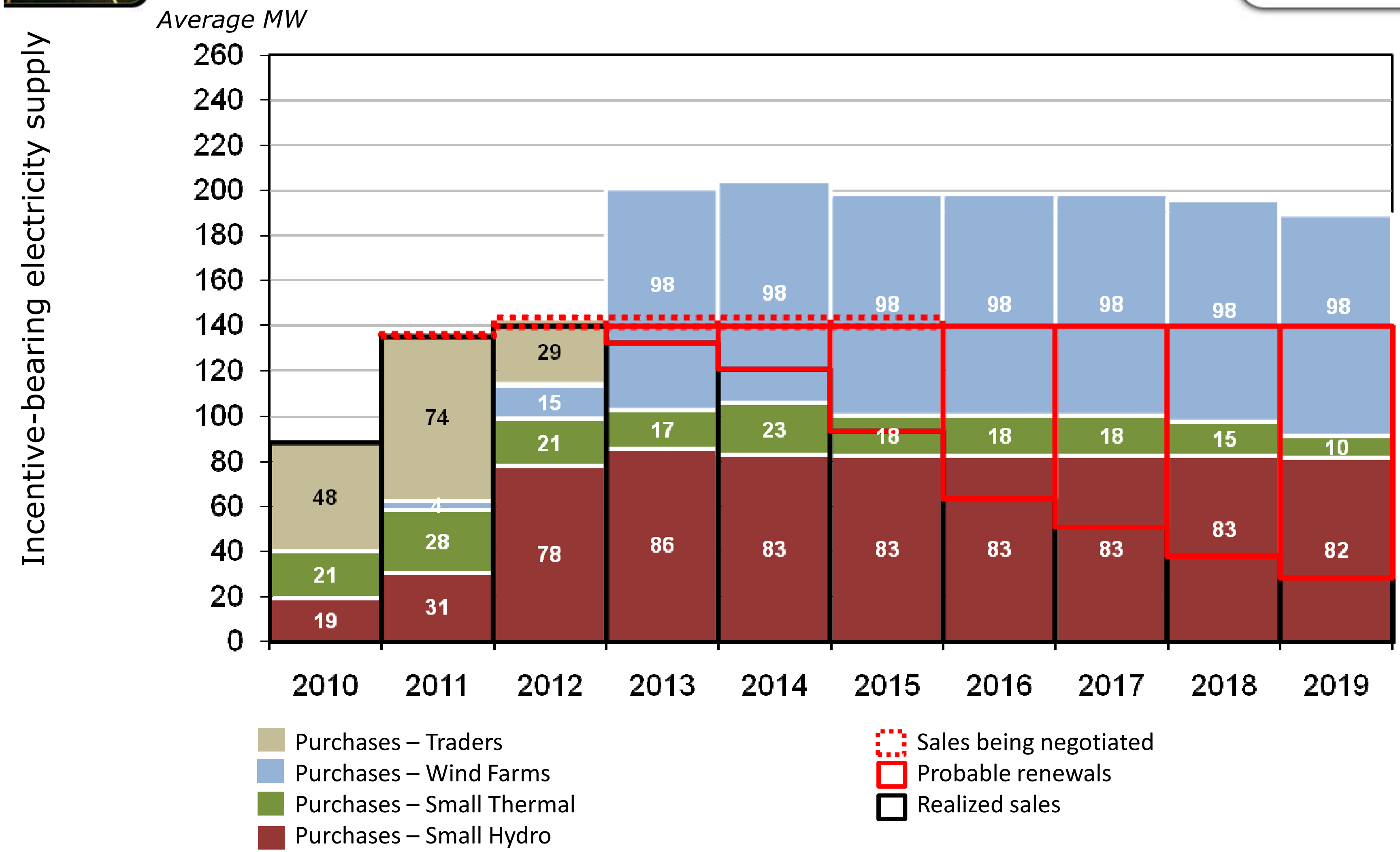

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