

Aksa Enerji

The leading IPP in Turkey

Investor Presentation

May 2014



AKSA
ENERJİ



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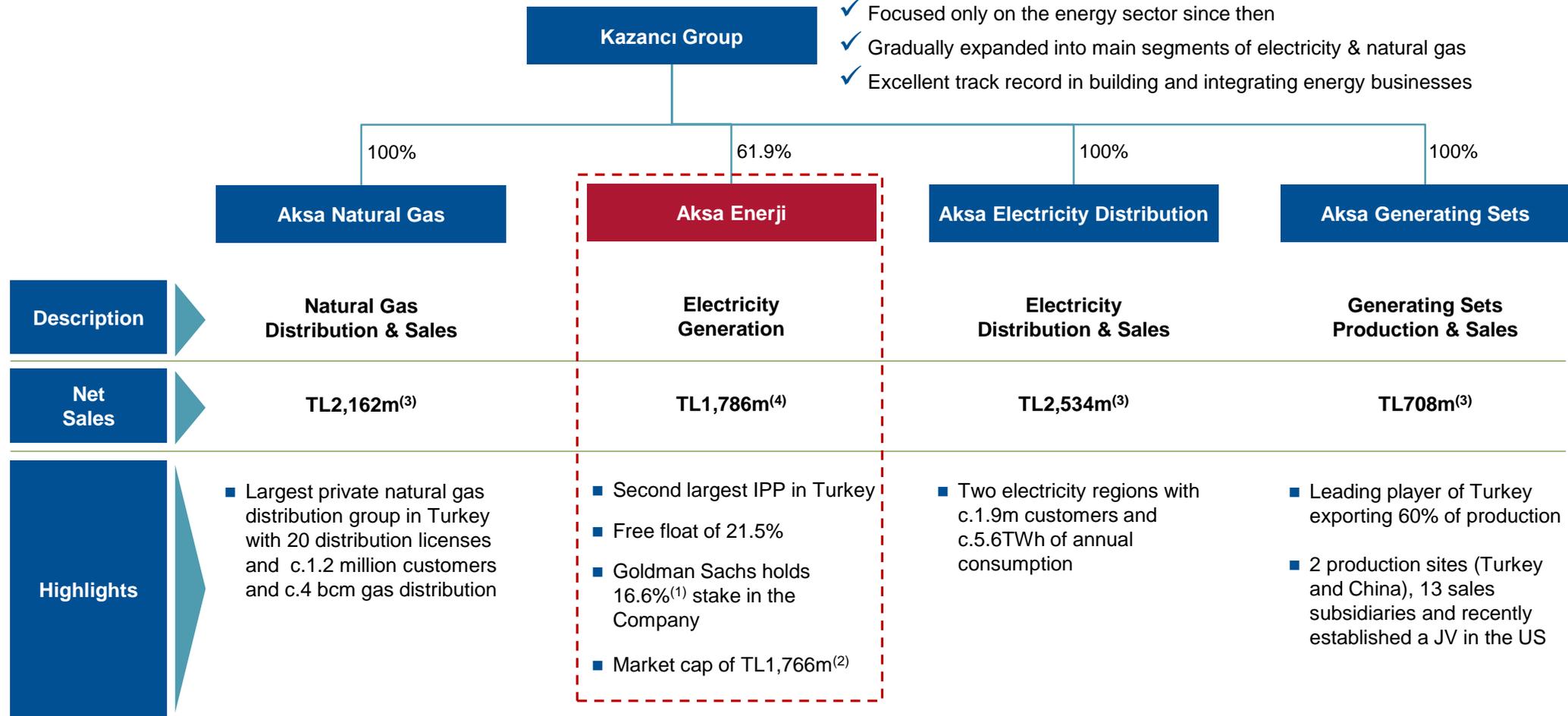
Key investment highlights



- 1 **Part of a dedicated energy group**
- 2 **Second largest Independent Power Producer (IPP) in Turkey**
- 3 **Strong exposure to growing Turkish electricity market**
- 4 **Large portfolio with 16 operational assets totalling 2,066 MW**
- 5 **Diversified pipeline of 23 projects adding 2,115 MW to our portfolio**
- 6 **Best-in-class asset management and investment capabilities**
- 7 **Tailored strategy to create sound and secure profitability**

We are part of a dedicated energy group

- ✓ Entered energy business in 1960s with the production of generating sets
- ✓ Focused only on the energy sector since then
- ✓ Gradually expanded into main segments of electricity & natural gas
- ✓ Excellent track record in building and integrating energy businesses

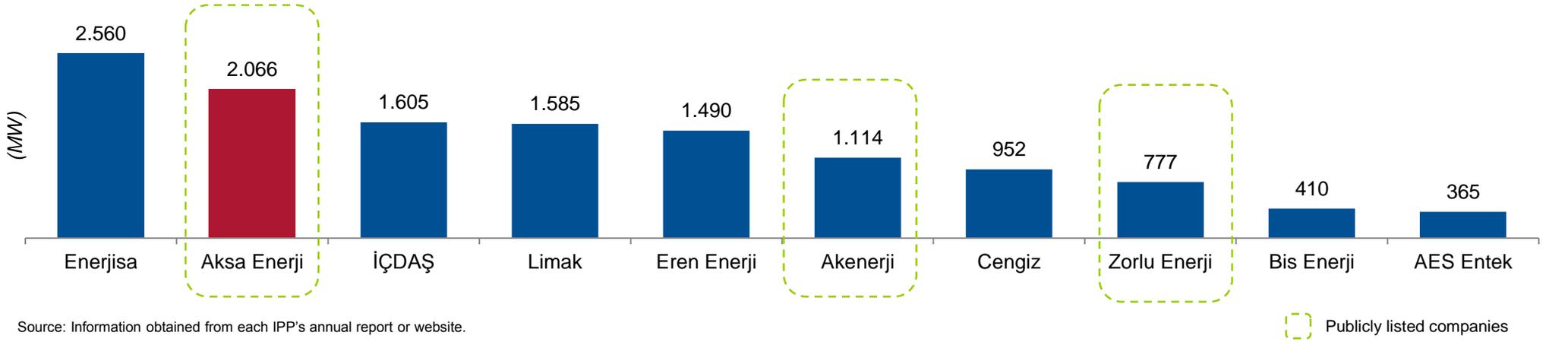


Kazancı Holding is one of the leading fully integrated energy player in Turkey, active in main segments of energy business

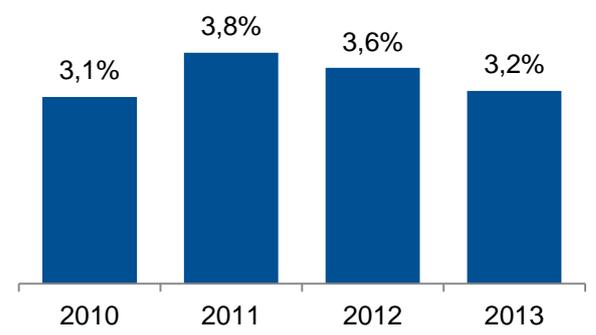
(1) Kazancı Holding currently controls the voting right of Goldman Sachs shares.
 (2) As at 9 May 2014
 (3) Unaudited management accounts for Aksa Natural Gas, Aksa Electricity Distribution and Aksa Generating Sets for 2012.
 (4) Audited results, 2013

We are the second largest IPP in Turkey with 2,066MW installed capacity

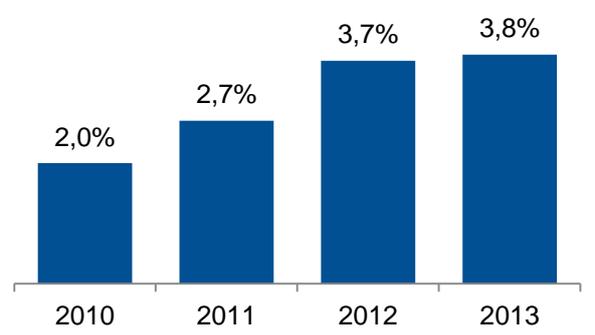
IPPs by Installed Capacity



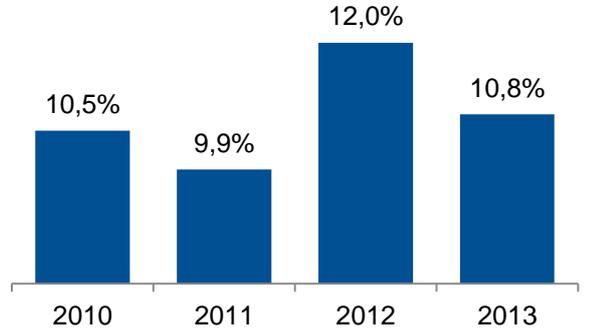
Share of Akxa Enerji in Installed Capacity of Turkey (MW)



Share of Akxa Enerji in Annual Generation of Turkey (MWh)



Share of Akxa Enerji in Annual Generation of IPPs (MWh)

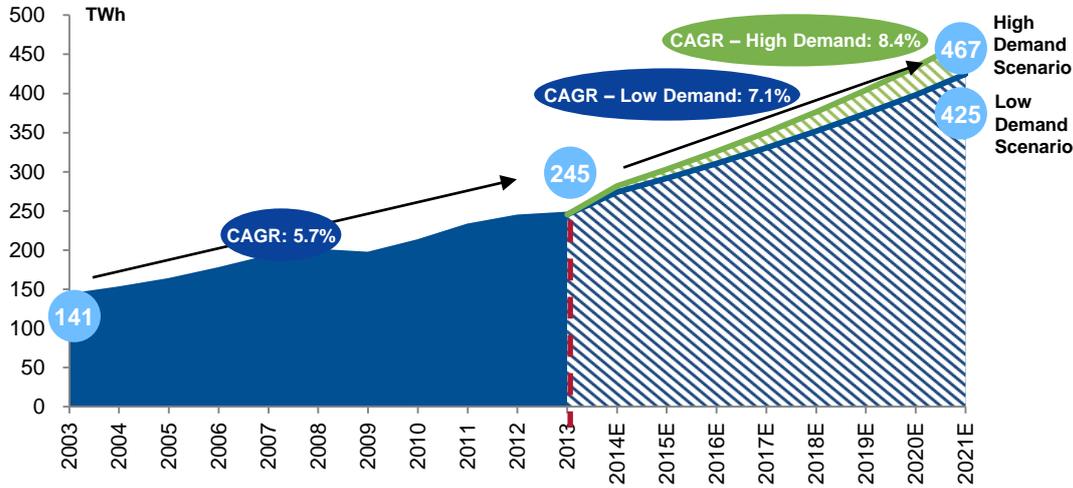


Source: TEİAŞ, company information.

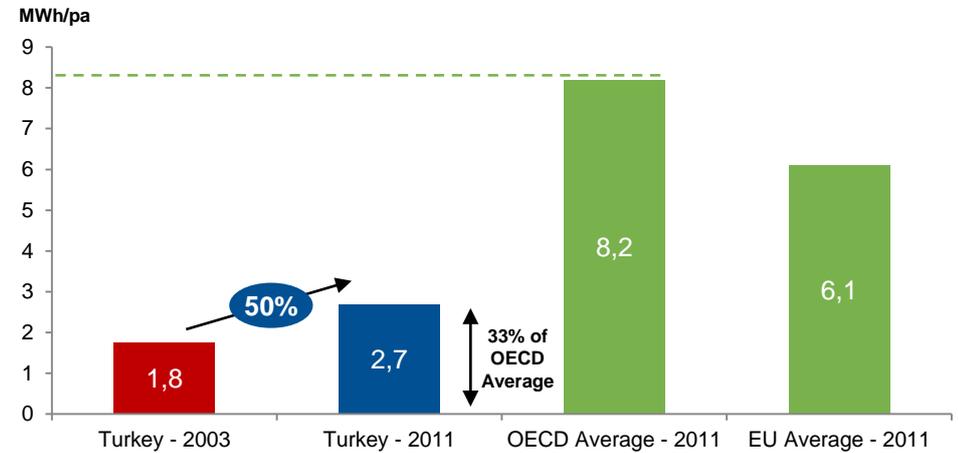
Akxa Enerji is one of the leading IPP in Turkey with 11% market share in total generation of IPPs

We provide strong exposure to the growing Turkish electricity market

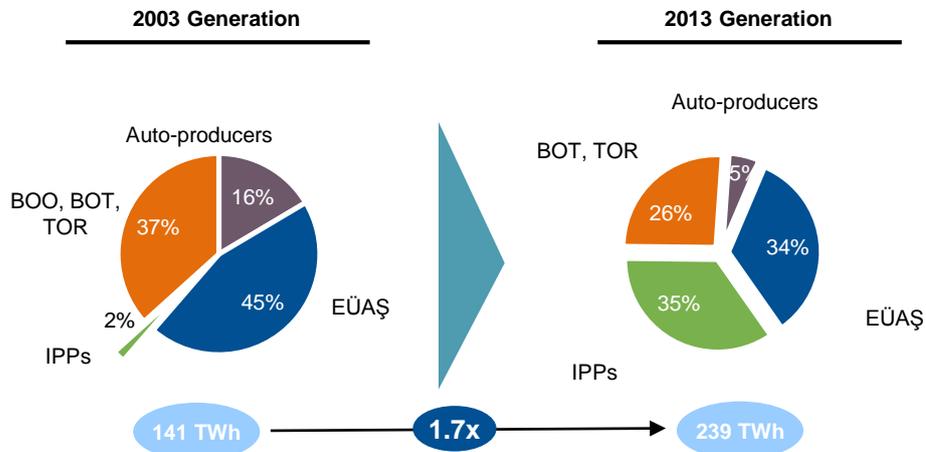
1 Strong Electricity Demand Growth (1)



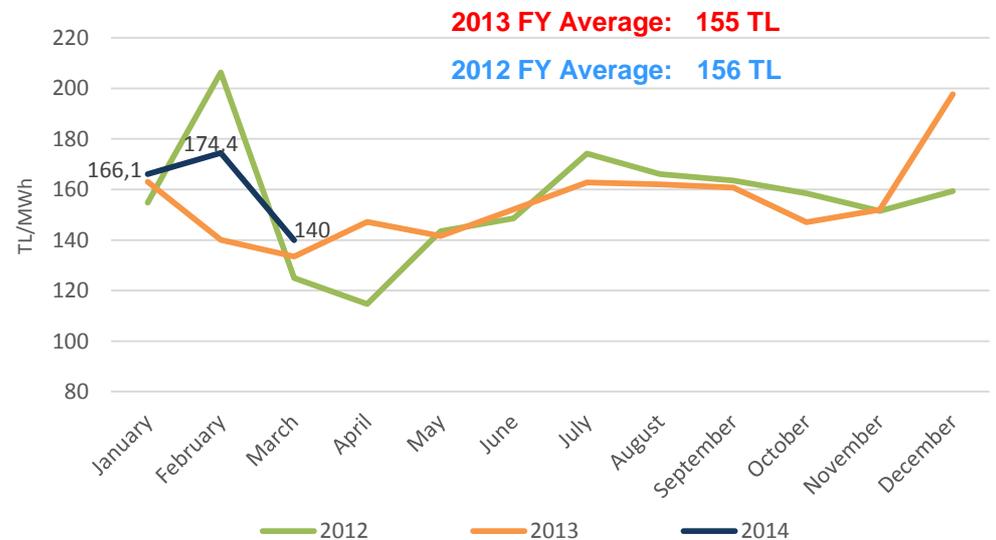
2 Increasing per Capita Consumption (2)



3 Demand Increasingly Supplied by IPPs (1)

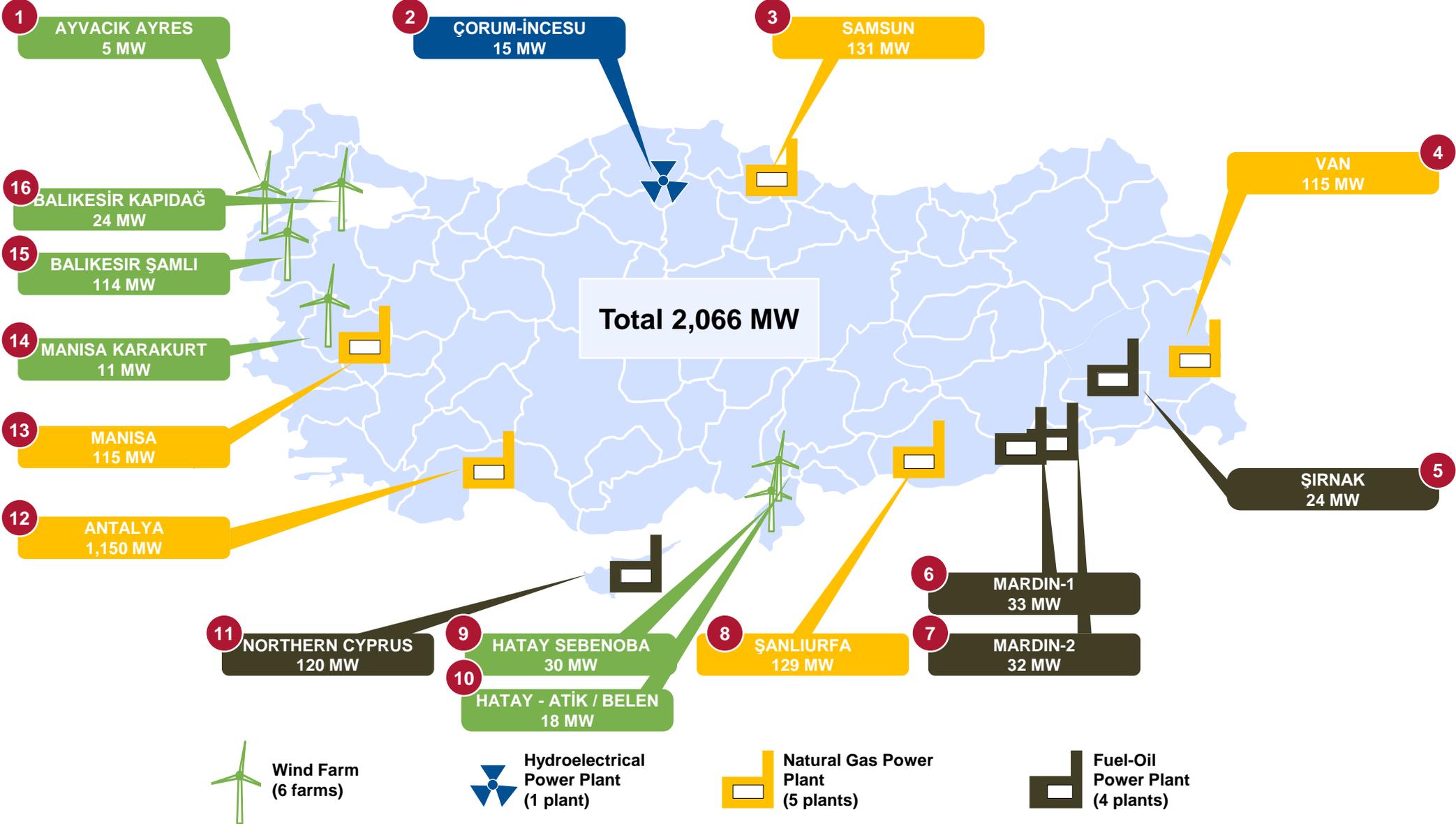


4 Spot Market Electricity Prices (1)



(1) Source: TEİAŞ.
 (2) Source: World Bank.

We have 16 assets under operation across Turkey



Each of our assets has key specifications to fortify our strategy

A

Baseload Natural Gas Fired PP – Antalya



- One of the most efficient CCGT plants in Turkey, with a capacity of 1,150 MW with Siemens and GE equipment
- Provides baseload power

D

Wind Farms



- Located in a favorable wind corridor to benefit from high load factors
- 6 farms, with a total capacity of 202 MW, under operation with Vestas equipments
- 2 farms under construction, 1 farm to be extended
- 1 project under development

B

Peak-shaving Natural Gas Fired PPs



- 5 natural gas fired power plants across Turkey with a total capacity of 490 MW with Wartsila engines
- Combined cycle engine-driven technology suitable for peak-shaving

E

Hydroelectrical PPs



- Favorable hydrology to benefit high capacity utilization factors
- 1 plant under operation with Andritz hydro turbines
- 2 plants under construction/1 plant at take over stage
- 12 projects under development

C

Fuel-oil Fired PPs



- Favorable long-term contract in Northern Cyprus. Wartsila engine-driven 120 MW CC plant with a purchase guarantee for 15+3 years
- 3 additional fuel-oil fired PPs, with a total capacity of 89 MW, positioned to benefit from regional supply shortages via engine-driven technology with Wartsila engines

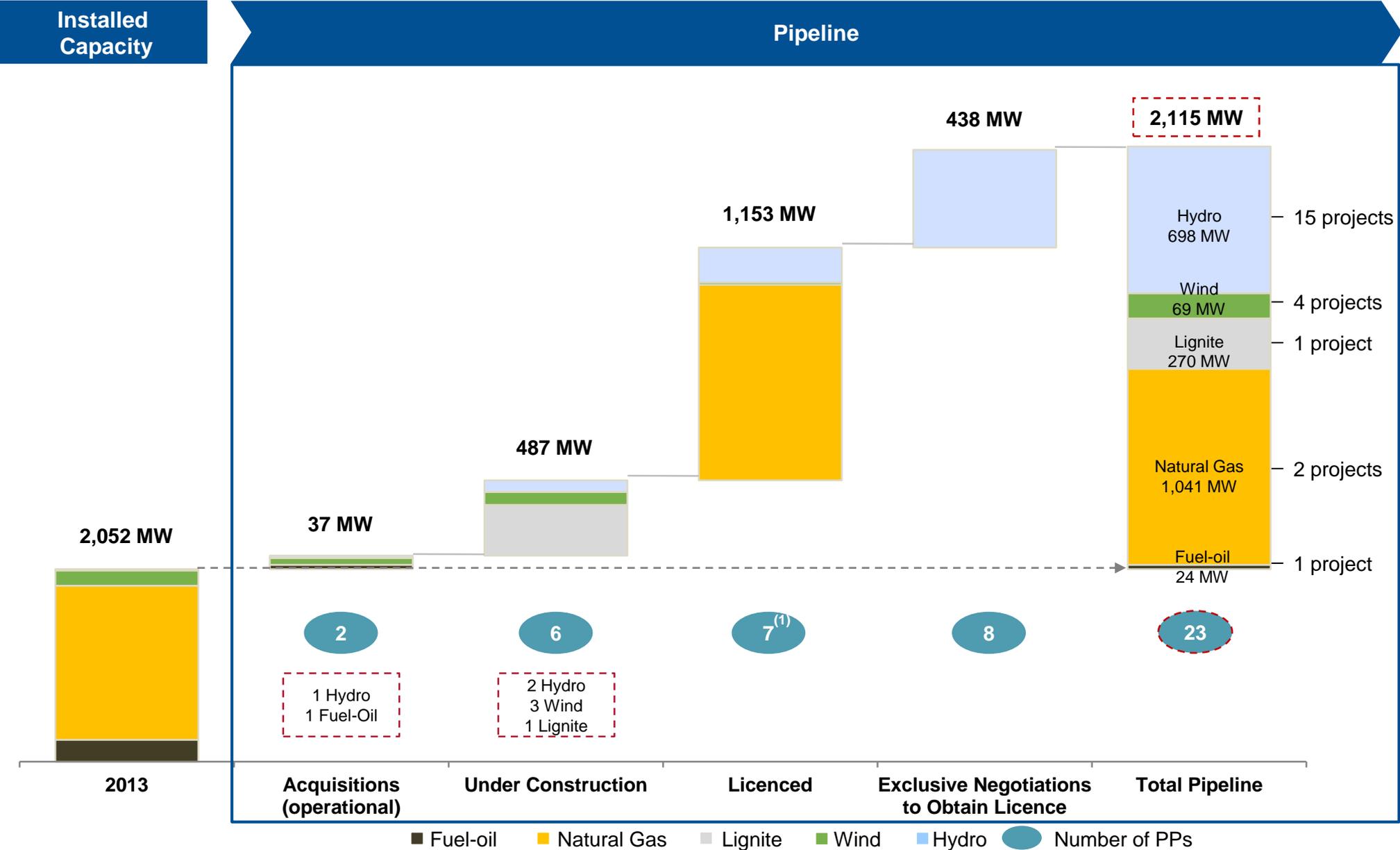
F

Lignite Fired PP



- 270 MW local lignite fired power plant with S.E.S CFB boilers and Skoda turbines under construction
- Will provide baseload power
- Aksa Enerji owns and operates the on-site lignite mine which will be sufficient to supply fuel for the lifetime of the plant

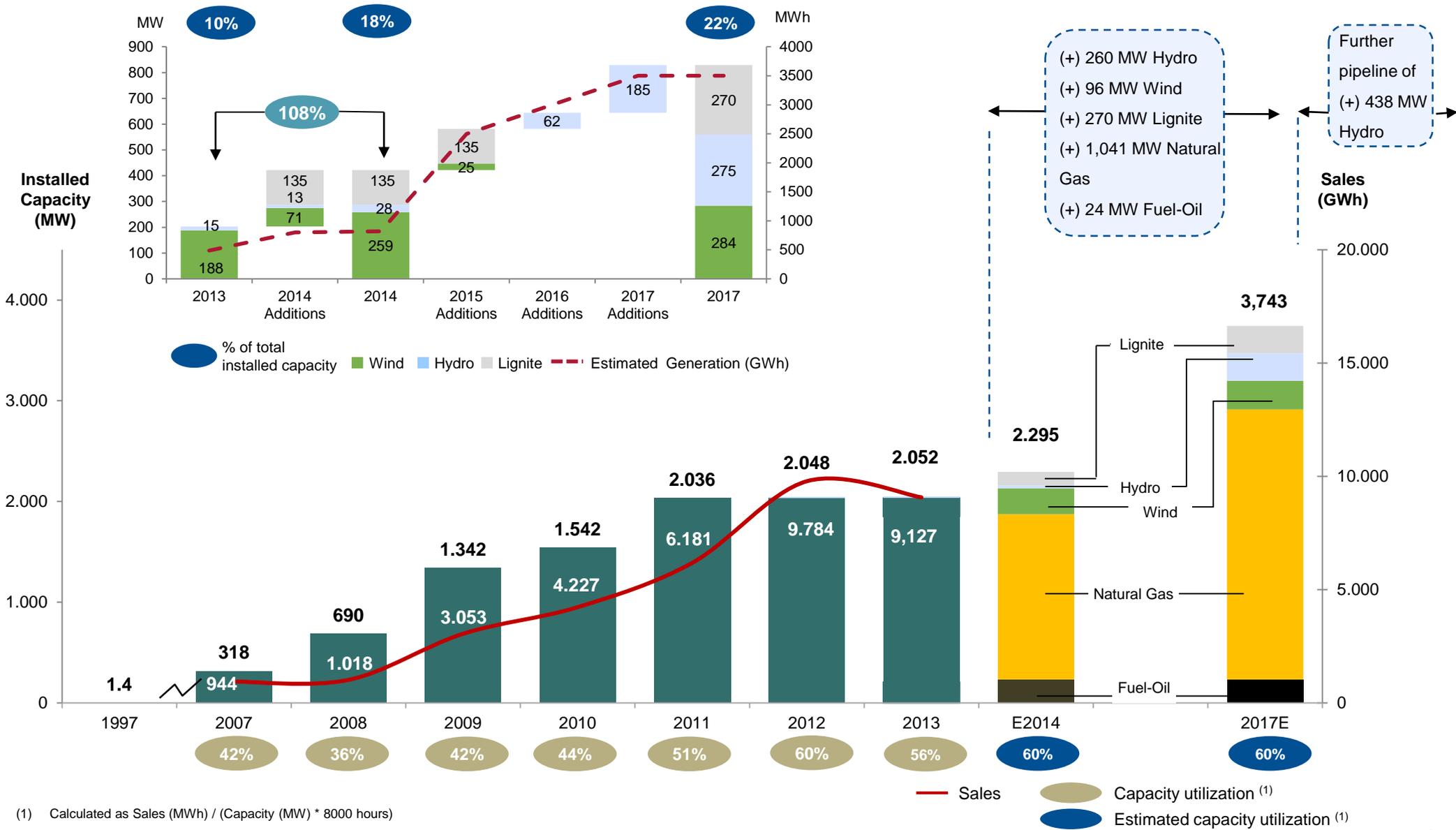
We have a diversified pipeline of 23 projects adding 2,115 MW to our portfolio



(1) Datça wind farm, which is intended to be acquired from Kazancı Holding, is listed under licenced as it is not yet operational.

We target to reach 3,743 MW by 2017 and create significant cost improvement with our renewables and lignite fired PP pipeline

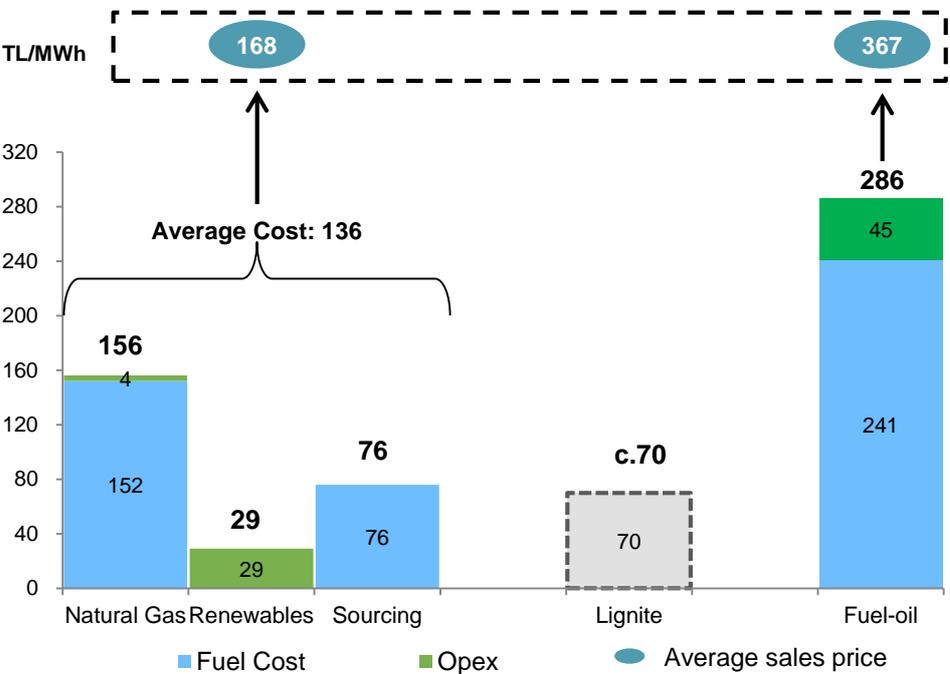
Targeted Capacity Increases in Renewables & Lignite (MW)



(1) Calculated as Sales (MWh) / (Capacity (MW) * 8000 hours)

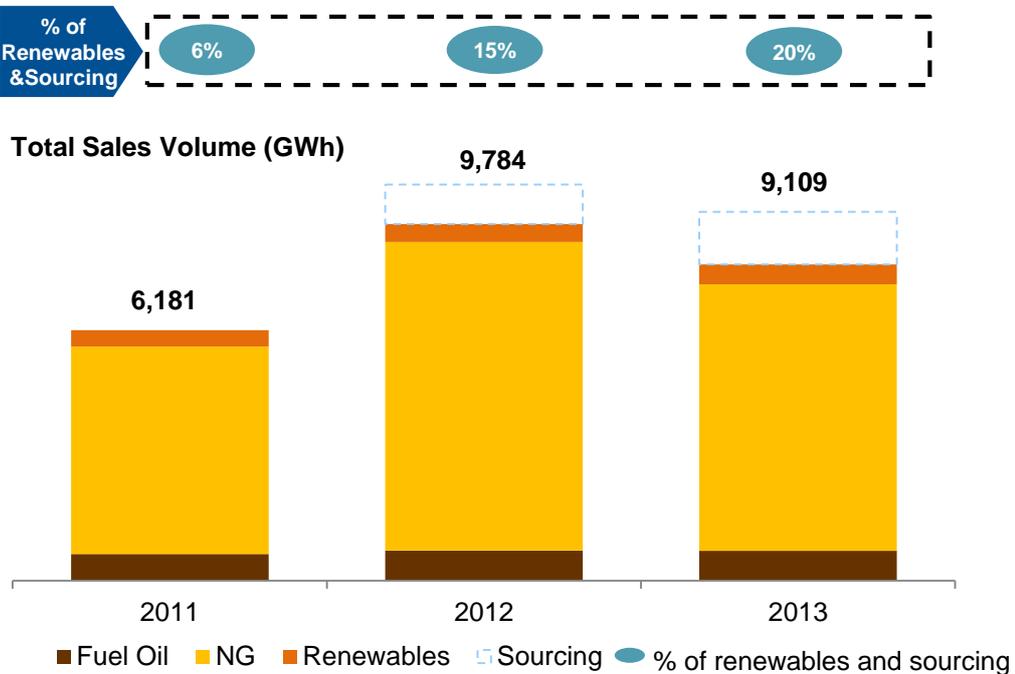
We are utilizing our own generation as well as sourcing capabilities to supply our customers

Cost Structure vs. Sales Price (2013)



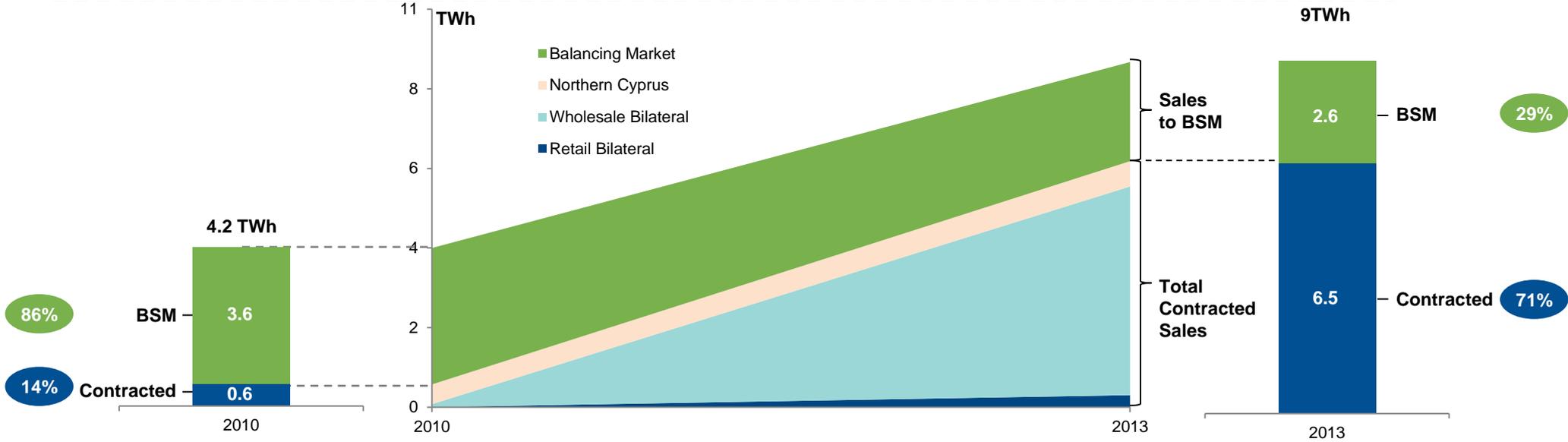
- Blending of more cost-effective renewables and sourcing activities to supply our customers provides us higher operating margins
- The total «local and renewable resources» pipeline of 626 MW until YE2017 will further decrease our cost base
- Despite their high cost base, our fuel-oil fired PPs provide profitability as they can achieve high prices in restricted regions

Improving Lower Cost Output



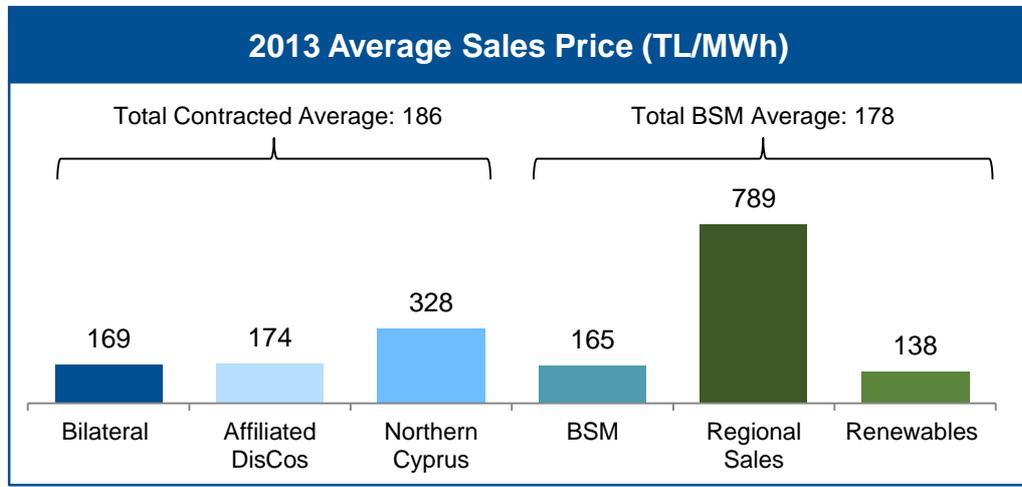
- We supply our customers by our own generation as well as sourcing activities from the BSM at off-peak prices
- We are decreasing our generation costs via increasing share of renewables generation and sourcing activities from the BSM
- Our off-peak sourcing abilities and purchase amounts further increase as the contracted sales volume increases

Our sales mix is getting more diversified and secure, increasing our capacity utilization



2010 - Contracted Sales

- 245 bilateral customers⁽¹⁾
- 592 GWh contracted sales
 - out of which 186 GWh is bilateral
- 14% of total sales



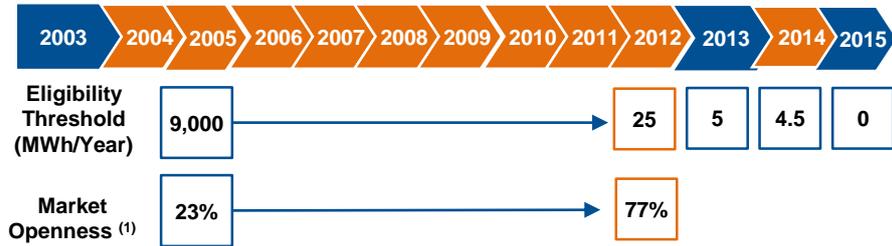
2013 - Contracted Sales

- 24,987 bilateral customers⁽¹⁾
- 6,5 GWh contracted sales
- 71% of total sales

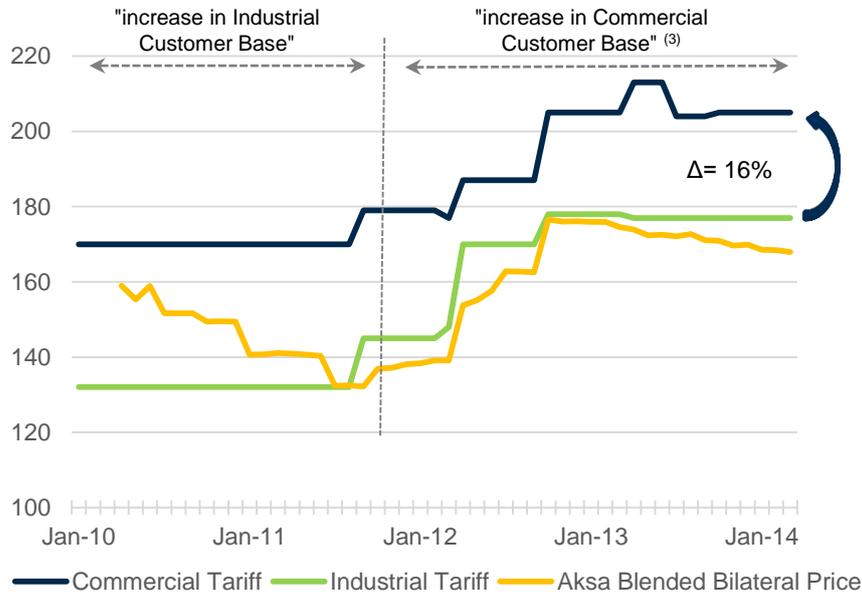
(1) Bilateral customers are contracted by the affiliates of Kazancı Group. Akxa Enerji has contracts with the affiliates of Kazancı Group.

At the same time, we are shifting bilateral mix towards more profitable commercial clients

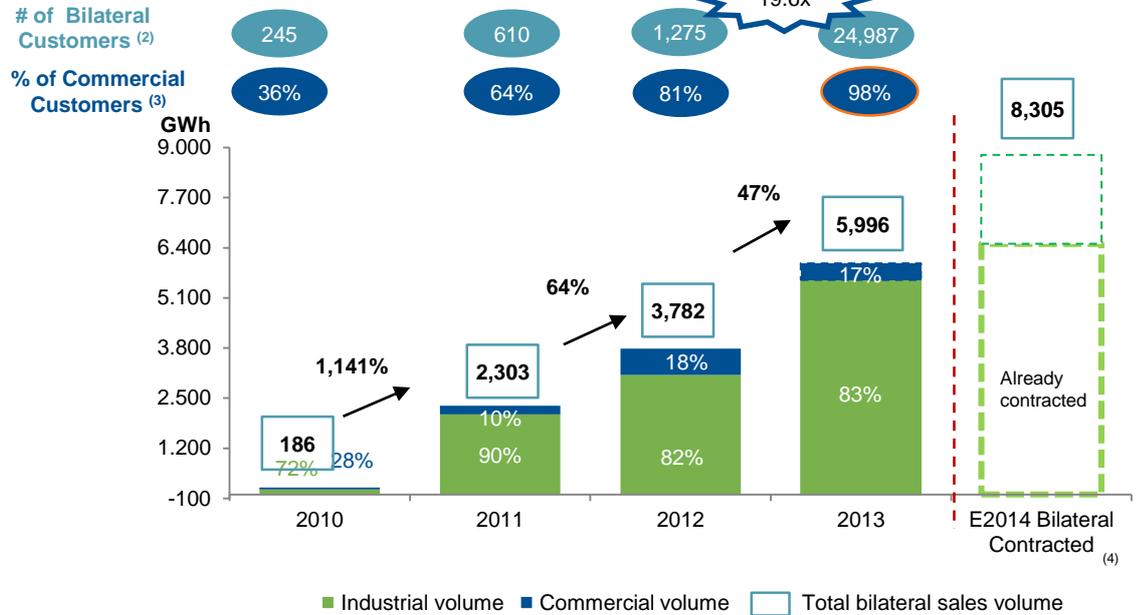
Evolution of Eligibility Limit



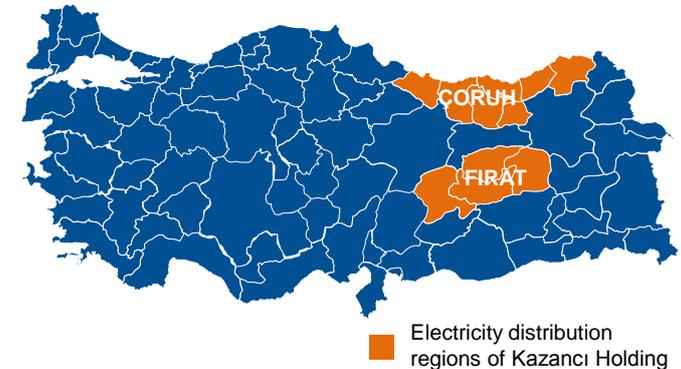
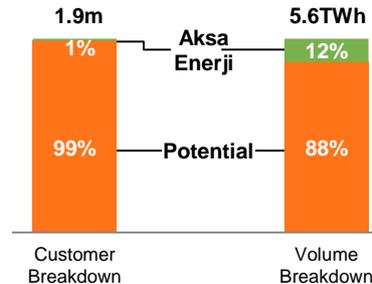
Tariffs and Aksa Bilateral Sales Price (TL/MWh)



Increasing Contracted Volume Supported by Affiliated Distribution Regions



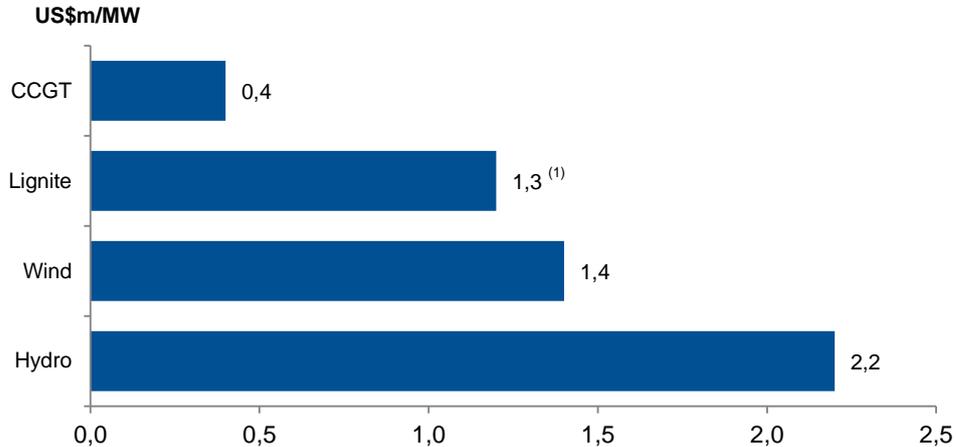
Further Room for Growth in Affiliated Regions (5)



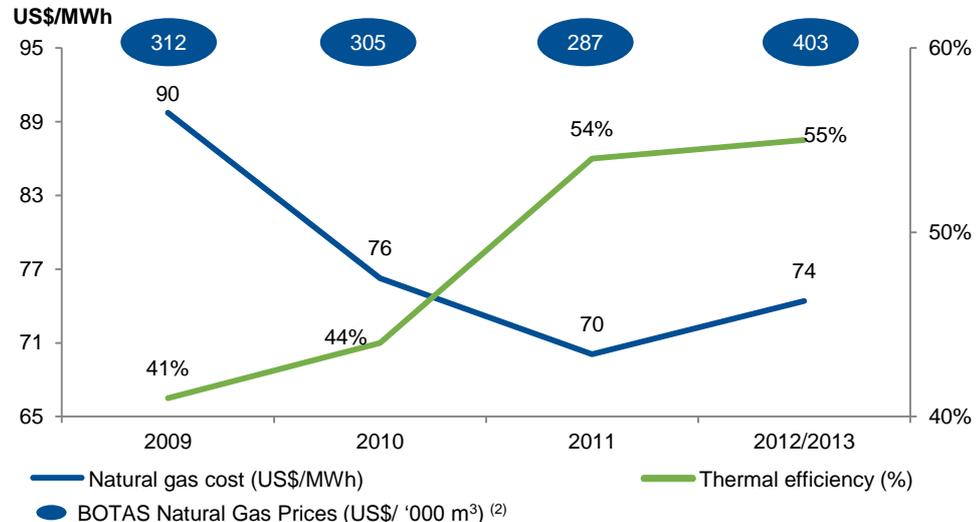
(1) Consumption of eligible customers divided by total consumption. (2) Bilateral customers are contracted by the affiliates of Kazancı Group. Aksa Enerji has contracts with the affiliates of Kazancı Group. (3) Commercial and household clients. (4) Includes actual contracted and sold till the end of November 2013 and an estimate for December. (5) Aksa Enerji figures based on latest numbers of customers and 2013 contracted volume while the figures of affiliated distribution regions are based on 2012.

We have successfully increased efficiencies of our CCGT plants and managed to cut our opex to improve our cost base

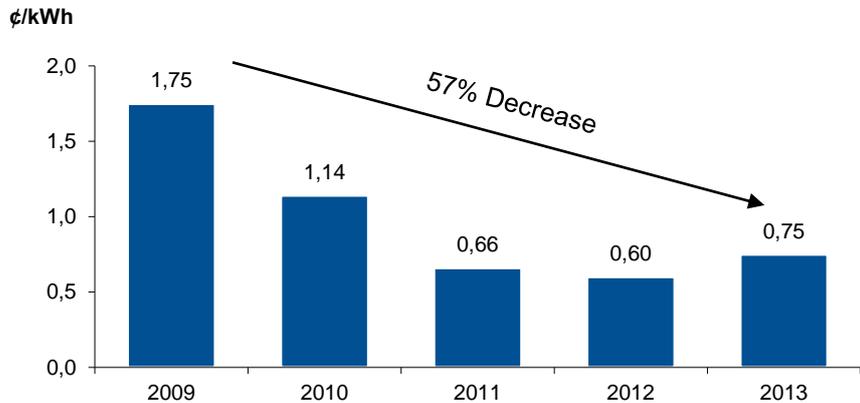
1 Low Unit Capex



3 Improving Fuel Efficiency



2 Improving Non-Fuel Cost Efficiency⁽³⁾



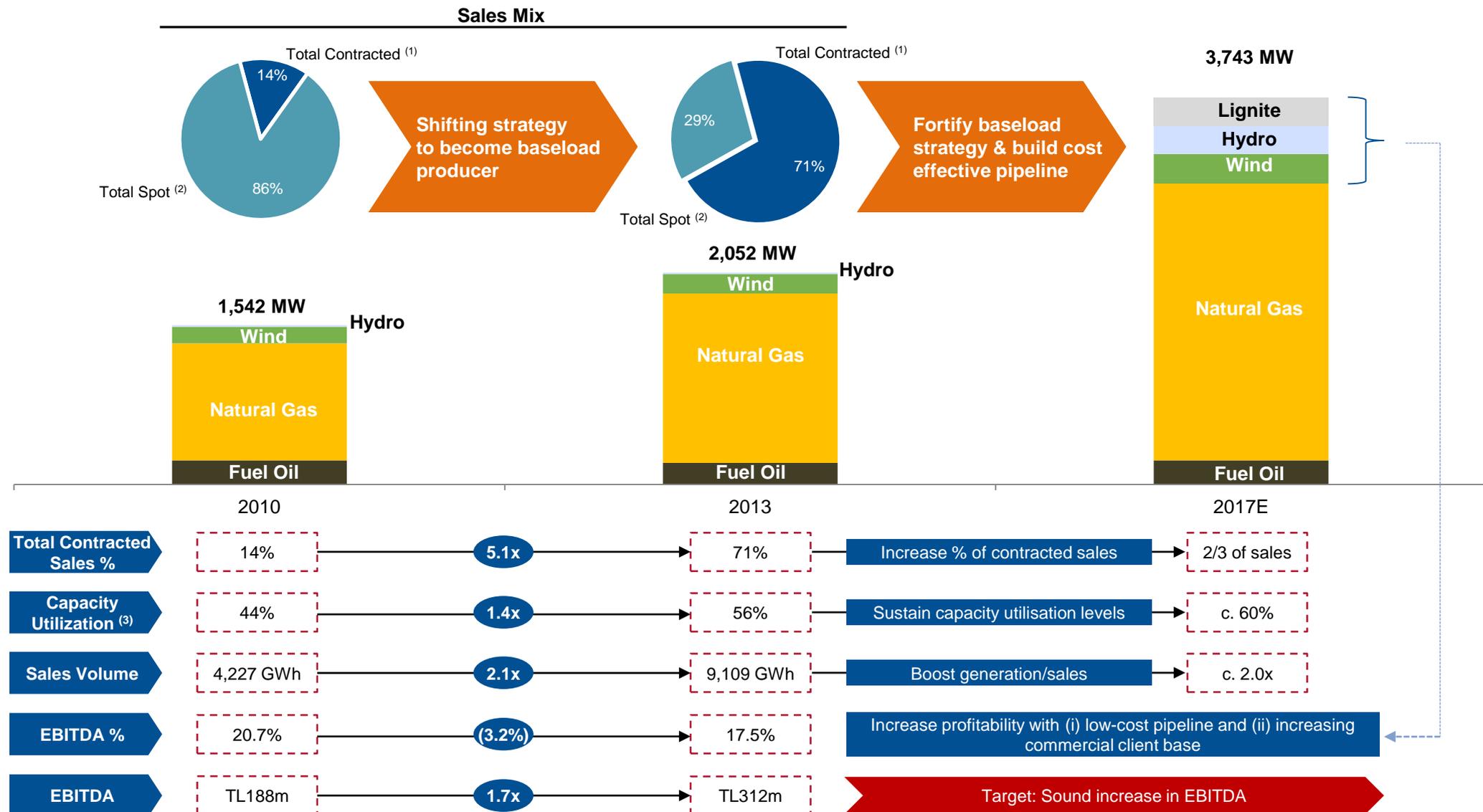
4 Akxa Average Sales and Sourcing Prices on the BSM



(1) Estimated capex based on budgeted investment of Göynük lignite fired PP.
 (2) BOTAS gas prices excluding special consumption tax as end of relevant year converted at year end exchange rates.
 (3) Total energy production related costs including cost of production factors (other than direct materials) and operating exp.
 (4) Average price of sales to BSM under Code 0, 1 and 2.

Tailored strategy to create sound and secure profitability

Evolution of Capacity and Sales Mix



(1) Total contracted sales include bilateral sales, Northern Cyprus sales, exports and sales to affiliated DisCos. (2) Total spot sales include sales to Balancing & Settlement Market, renewable sales and regional sales.

(3) Calculated as Sales (MWh) / (Capacity (MW) * 8000 hours).

1Q 2014

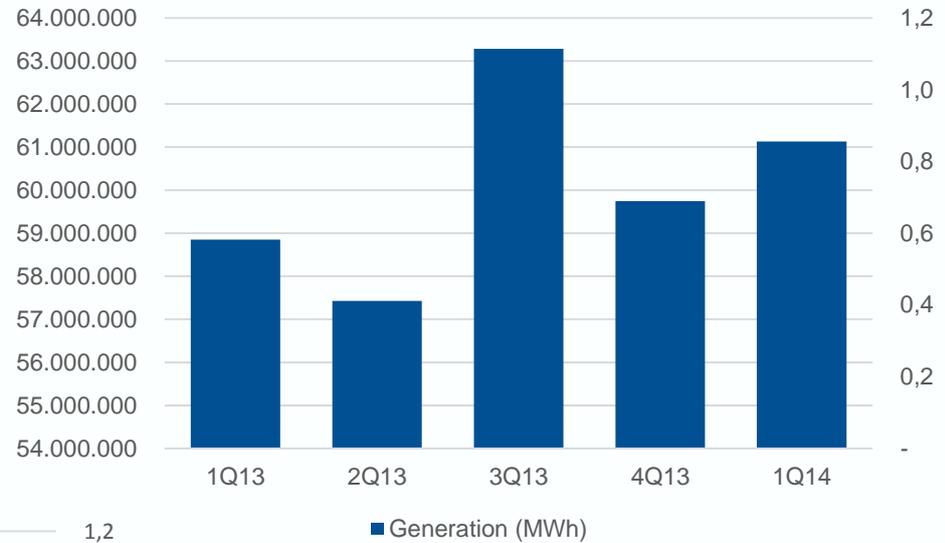
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Market Highlights

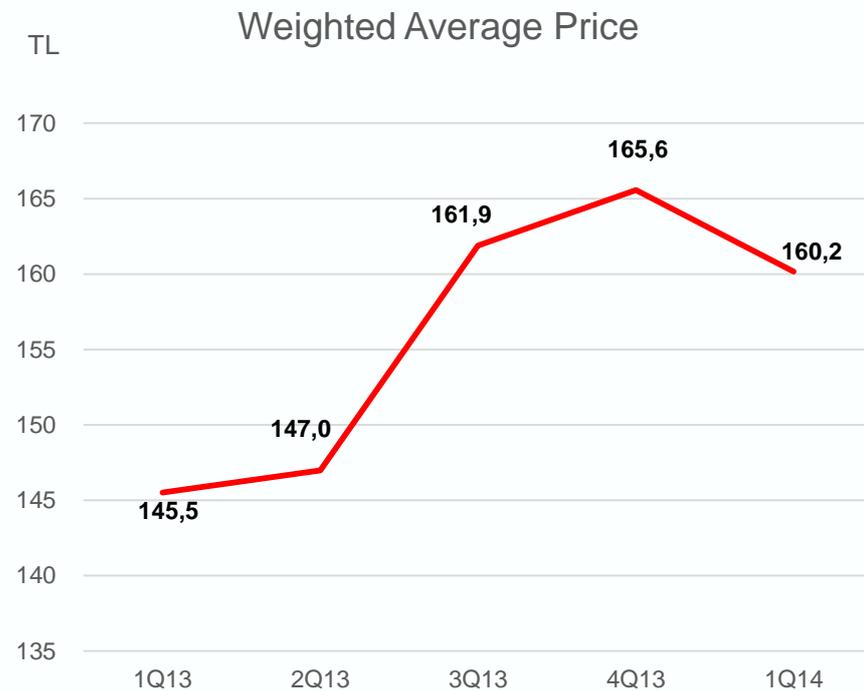
► **Electricity generation** increased by 4% in 1Q14 vs 1Q13 and by 1% compared to 4Q13.



► **Electricity consumption** increased by 3% YoY and by 1.6% QoQ.

Market Highlights

► **Prices** – There was a steep hike of 25% in spot prices in February 2014 when compared to the same month last year, as a result of natural gas shortage in the first half of February. This caused the weighted average price in 1Q14 to be 10% higher than in 1Q13. However, since there was a more severe shortage in 4Q13, 1Q14 average prices were lower compared to the previous quarter.



Market Highlights

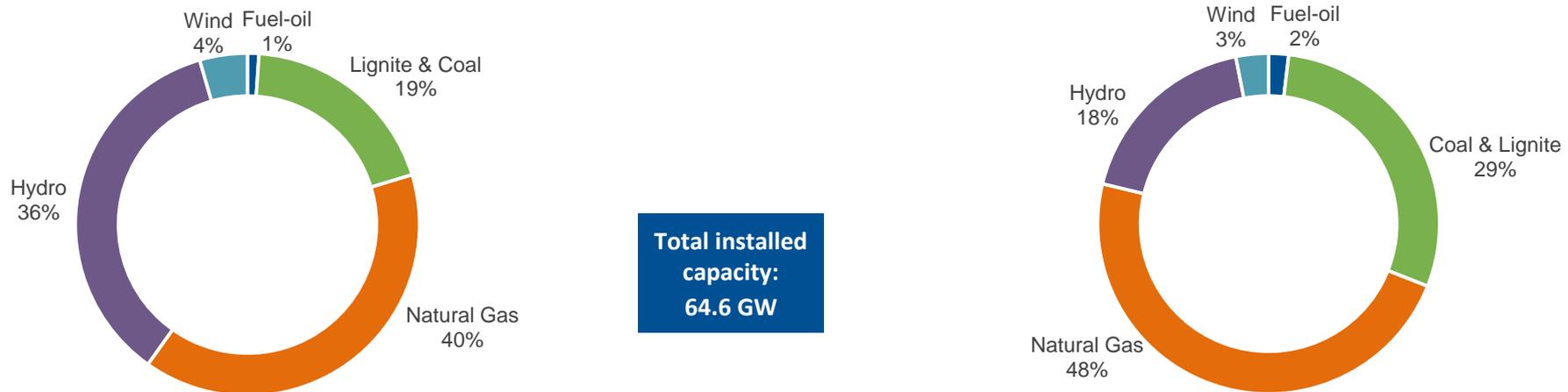
- ▶ **Total installed capacity in Turkey** has increased by 568 MW in 1Q14, all from renewable sources. 460 MW of the new capacity came from HPPs, while 137 MW came from WPPs.

- ▶ However, due to the draught, the contribution of these new capacities have been minimal. Furthermore, the new capacities represent only 0,88% of the total installed capacity in Turkey, thus did not prevent BSM prices from rising.

Turkish power market

Supply dynamics

Breakdown of installed capacity by fuel type (1Q14) Breakdown of generation by fuel type



Breakdown of generation by ownership (1Q13 vs 1Q14)



Natural gas is the dominant fuel type

Share of the state is decreasing

Source: TEIAS

Company Highlights

- ▶ At the end of Q1, we have introduced to the market a new concept of tariffs leading the sector in a new path of «price innovation».
- ▶ In 1Q14, net sales of the Company has increased by 25% YoY from 1,965 GWh to 2,458 GWh due to the increase percentage of bilateral agreements in overall sales from 50% to 71%.
- ▶ Capacity utilisation rate has increased to 61% in 1Q14 from 49% in 1Q13 and 56% in FY2013 due the above mentioned increase in bilateral sales.
- ▶ Amongst the planned acquisitions of 3 operational power plants from Kazancı Holding, the acquisition of Kapıdağ wind farm was completed last year. The other two power plants are awaiting EMRA approval, which is expected to come through in 2Q14.

Company Highlights

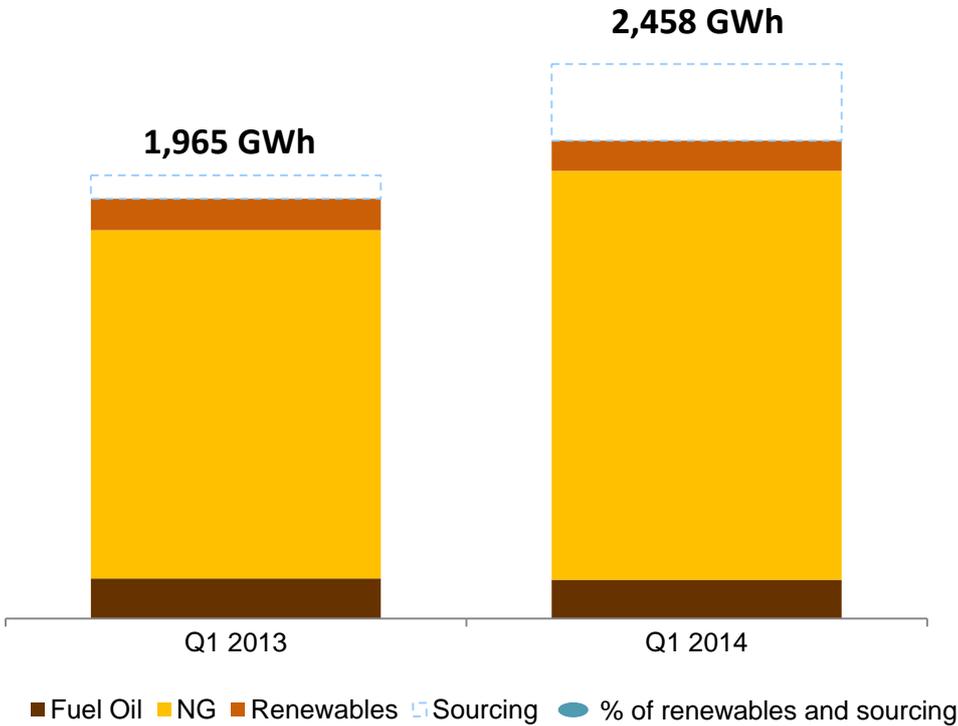
- ▶ The second phase of Belen/Atik WPP, which was 14MW has become operational in mid-February this quarter, taking this plant's total installed capacity to 18MW, increasing our current installed capacity to 2,066MW and total renewable capacity to 217MW.
- ▶ Constructions of the 2 windfarms with a total installed capacity of 57MW will be completed and will become operational in Q3 this year.
- ▶ The construction of Bolu/Göynük lignite fired power plant, which started on 13 July 2012, continues as planned. This plant will have an installed capacity of 270MW and the first phase, 135MW, is expected to be operational in December 2014. The second phase, 135MW, is planned to become operational in 1Q 2015. As this plant will have an annual production volume of 2bn kwh and an EBITDA margin of 55%, it will make a very significant contribution to our EBITDA in 2015.
- ▶ EMRA has approved the increase in Balıkesir Şamlı WPP's installed capacity from 114 MW to 126,5MW and extension is expected to become operational in 4Q2015.

Decreasing generation costs via increasing share of sourcing and generation from renewables

Improving Lower Cost Output

- 25% increase in total production YoY
- 7 ppt increase in share of renewables & sourcing YoY, part of our strategy to decrease generation costs
- Off-peak sourcing abilities and purchase amounts to further increase as the contracted sales volume increases
- Cost-effective renewables and sourcing enable us to have higher operating margins
- 270 MW Bolu/Göynük lignite-fired PP fully operational in 2015 at c.70TL cost will significantly decrease the cost base.
- Total of 582 MW of local and renewable pipeline to become operational by YE2015
- Fuel-oil fired PPs to continue provide profitability due to high prices in restricted regions

**% of
Renewables
&Sourcing**



1Q 2014 Results

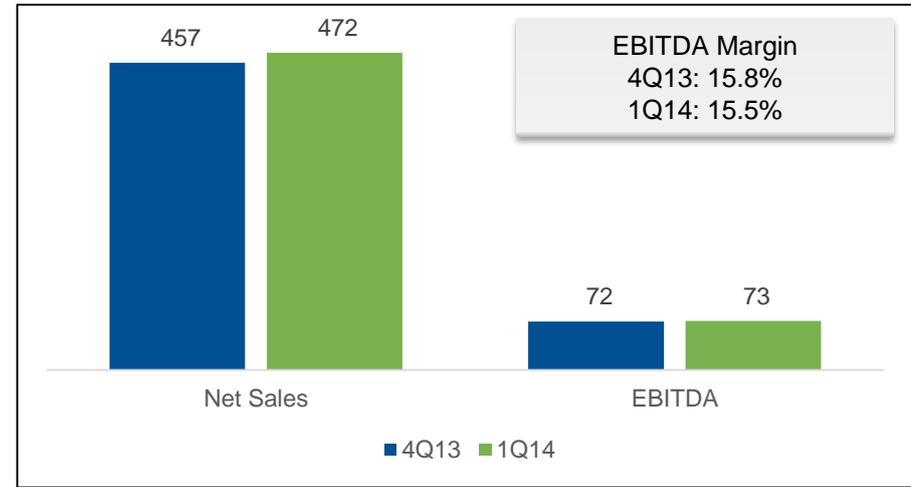
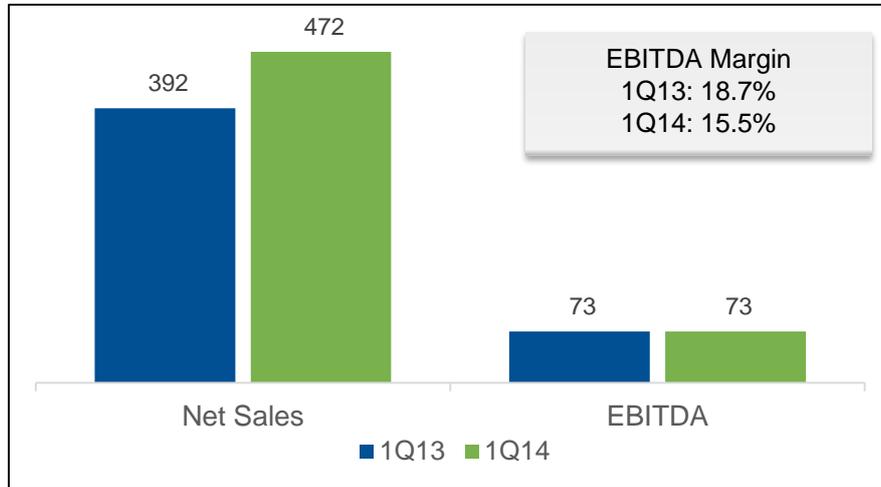
	2012	2013	YoY Change	Q1 2013	Q1 2014	YoY Change	Q4 2013	Q1 2014	QoQ Change
Installed Capacity (MW)	2.045	2.052	7 MW	2.048	2.066	18 MW	2.052	2.066	14 MW
Sales Volume (GWh)	9.784	9.109	-7%	1.965	2.458	25%	2.399	2.458	2%
Capacity Utilization Rate (CUR)	60%	56%	-4pp	50%	61%	+11pp	58%	61%	+3pp
Net Sales (TL mn)	1.841	1.786	-3%	392	472	20%	457	472	3%
Gross Profit (TL mn)	236	220	-7%	50	49	-3%	48	49	1%
Operating Inc. (TL mn)	218	196	-10%	46	44	-5%	38	44	15%
EBITDA (TL mn)	323	312	-3%	73	73	0%	72	73	1%
Net Income (TL mn)	220	-133	nm	21	-10	nm	-64	-10	nm
EBITDA Margin	17,6%	17,5%	-0.1pp	18,7%	15,5%	-3.2pp	15,8%	15,5%	-0.3pp
Operating Profit Margin	12,0%	11,0%	-1pp	11,8%	9,3%	-2.5pp	8,3%	9,3%	+1pp

Source: IFRS financial statements

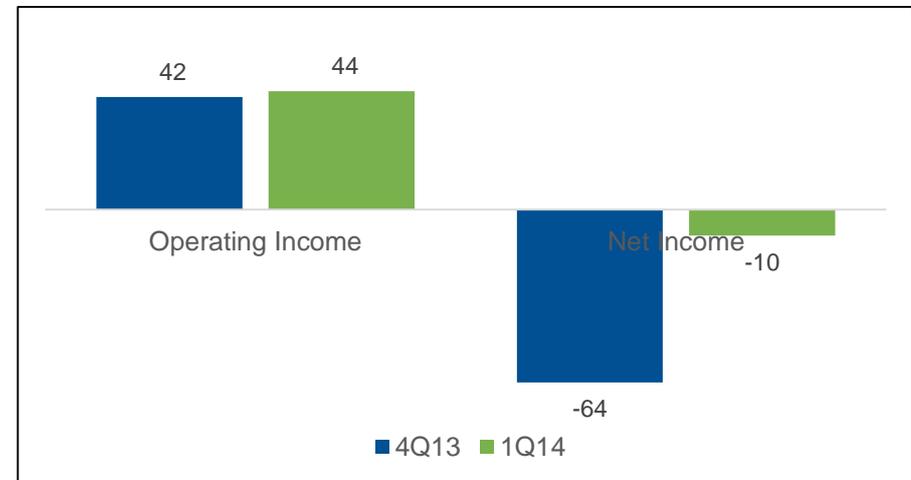
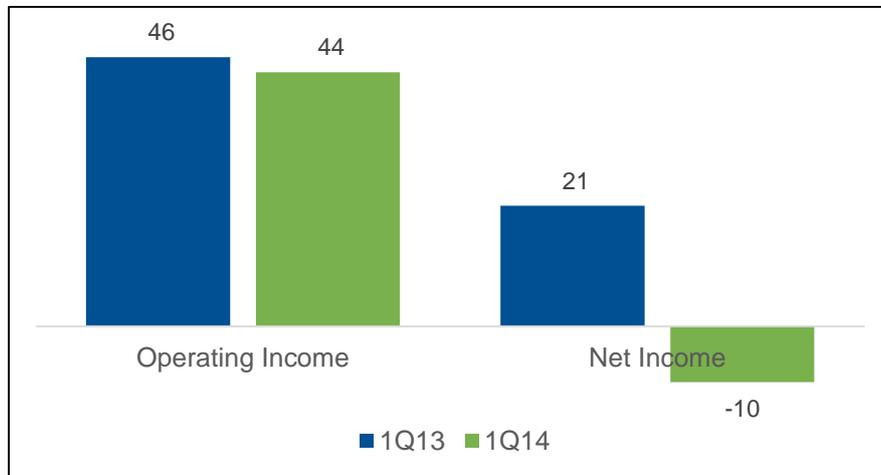
Financial highlights 1Q 2014

Consolidated income statement

Net sales & EBITDA (TL mn)



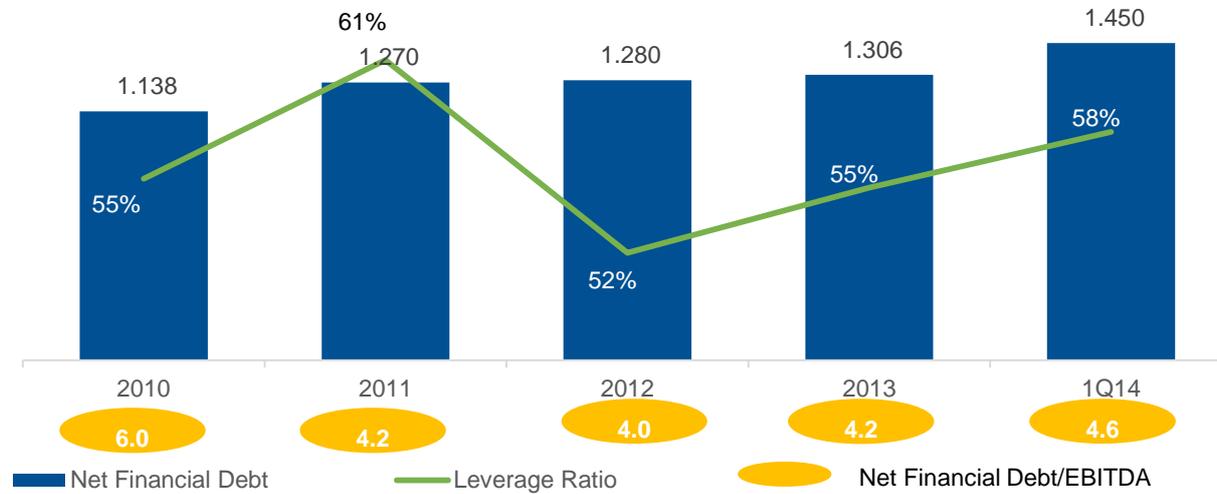
Operating income & Net income (TL mn)



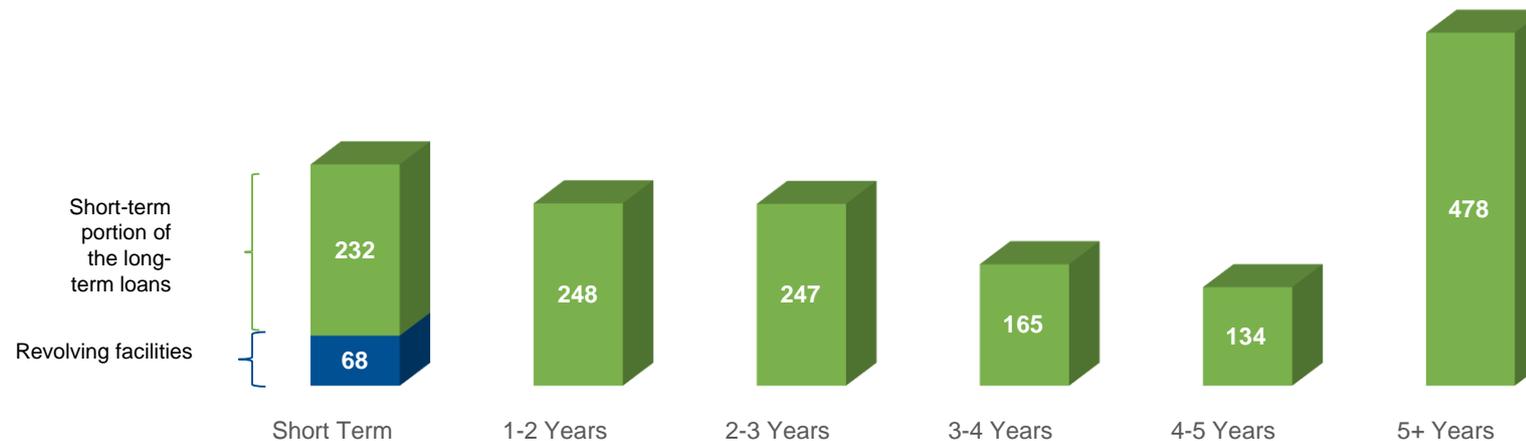
Financial highlights 1Q 2014

Net financial debt and repayment schedule

Net financial debt (TL mn)



Repayment schedule of short and long term notes (TL mn)



Financial Highlights FY 2013

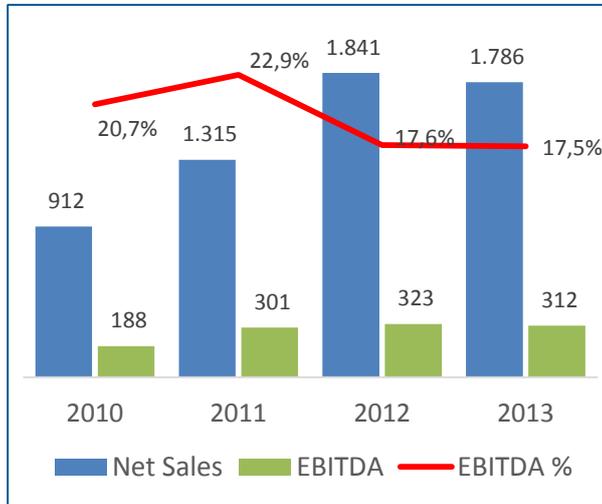


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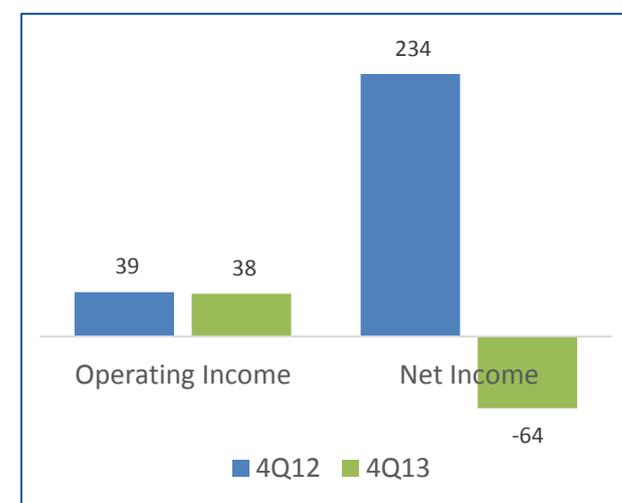
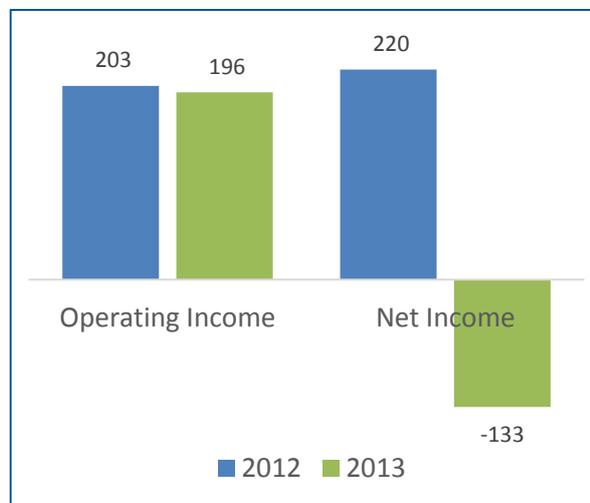
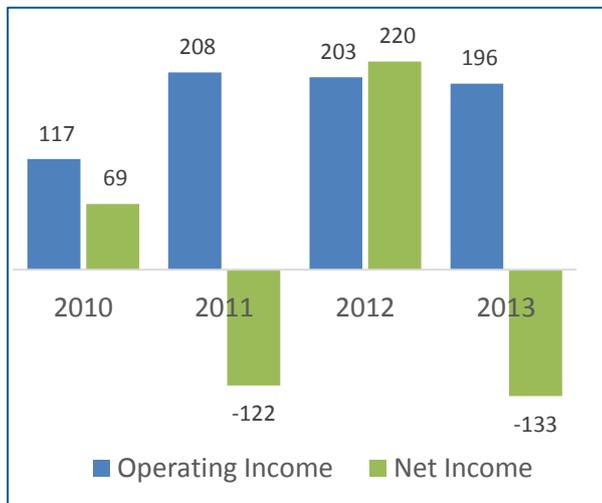
Financial highlights 2013

Consolidated income statement

Net sales & EBITDA (TL mn)



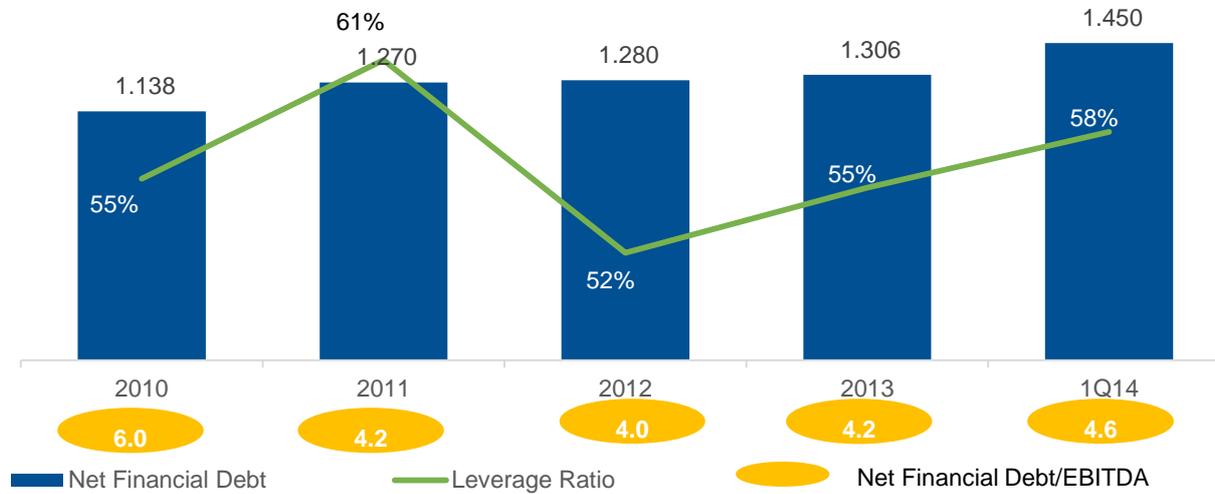
Operating income & Net income (TL mn)



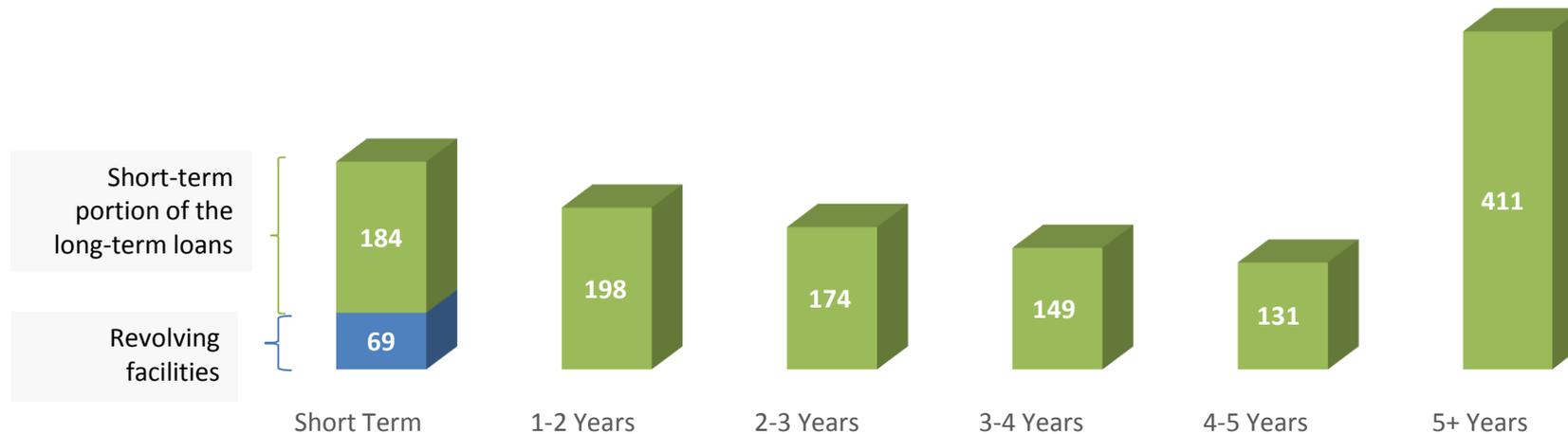
Financial highlights 2013

Net financial debt and repayment schedule

Net financial debt (TL mn)



Repayment schedule of short and long term notes (TL mn)



Source: IFRS financial statements

Consolidated income statement

<i>(TLm)</i>	2010	2011	2012	2013	Q1 2013	Q1 2014
Net sales	911,9	1315,4	1840,6	1786,0	391,5	472,1
Cost of sales	-775,5	-1088,0	-1604,0	-1565,9	-341,0	-423,5
Gross profit	136,4	227,4	236,6	220,1	50,5	48,6
<i>Gross profit margin</i>	15%	17%	13%	12%	13%	10%
General & administrative costs	-17,8	-16,0	-16,7	-18,0	-3,9	-4,5
Sales and marketing costs	-1,8	-3,0	-2,1	-2,0	-0,2	-0,3
Research & development costs	0,0	0,0	0,0	0,0	0,0	0,0
Operating income	116,7	208,3	217,8	200,1	46,4	43,7
<i>Operating income margin</i>	12,8%	15,8%	11,8%	11,2%	11,8%	9,3%
Goodwill income/(expense)	7,0	0,0	0,0	0,0	0,0	0,0
Other income/(expense)	4,6	-51,3	0,0	0,0	0,1	0,0
Financing income/(expense)	-43,5	-273,5	221,0	142,8	-21,8	66,6
Earnings before income tax	84,7	-116,5	226,5	-156,1	24,7	0,0
<i>EBT margin</i>	9,3%	-8,9%	12,3%	-8,7%	6,3%	0,0%
Tax	-14,1	-5,5	-6,6	22,8	-3,9	-1,3
Net income	69,4	-122,0	219,9	-133,3	20,8	-9,6
<i>Net income margin</i>	7,6%	-9,3%	11,9%	-7,5%	5,3%	-2,0%
EBITDA	188,3	300,8	323,1	311,8	73,0	73,1
<i>EBITDA margin</i>	20,7%	22,9%	17,6%	17,5%	18,7%	15,5%

Source: IFRS financial statements

Consolidated balance sheet

(TL mn)

Assets	2010	2011	2012	2013	1Q 2013	1Q 2014
Cash and cash equivalents	78,3	110,5	40,9	22,3	101,6	127,6
Trade receivables net	113,0	261,5	245,9	142,3	227,2	115,0
Due from related parties and shareholders	607,9	360,0	593,9	0,0	252,4	0,0
Inventory	81,3	121,5	135,5	250,0	183,1	223,9
Derivative Financial Instruments	–	–	–	–	–	–
Other current assets	71,5	90,7	84,6	77,4	59,2	71,9
Total current assets	952,0	944,3	1100,8	492,0	823,4	538,4
Trade receivables	–	–	–	–	–	–
Investments	1,6	1,6	1,6	1,5	1,7	1,5
PP&E	1375,7	1613,0	1627,3	2109,7	1626,6	2301,8
Goodwill	6,0	9,5	9,5	9,5	9,5	7,1
Intangibles	0,7	1,1	1,7	1,9	1,7	1,9
Other non-current assets	20,3	43,4	87,0	113,2	118,5	99,0
Deferred tax assets	4,1	4,1	4,1	36,7	4,1	39,1
Total non-current assets	1408,4	1672,7	1731,2	2272,6	1762,1	2450,4
Total assets	2360,5	2617,0	2832,0	2764,6	2585,5	2988,8
Liabilities	2010	2011	2012	2013	1Q 2013	1Q 2014
Financial liabilities	413,2	489,5	564,3	265,6	288,8	306,1
Trade payables, net	197,6	359,5	284,7	326,1	303,6	323,1
Due to Related Parties and Shareholders	–	–	–	–	–	–
Taxation payable on income	13,5	4,4	6,6	7,5	3,9	3,8
Other payables and accrued liabilities	9,9	70,4	11,7	14,8	17,3	21,4
Total current liabilities	634,2	923,8	867,3	614,0	613,6	654,4
Long-term financial liabilities	803,4	891,5	756,4	1062,7	742,6	1271,9
Retirement pay provision	1,3	1,8	2,2	3,0	2,4	3,2
Other liabilities	–	–	–	–	–	–
Deferred tax liability	2,9	2,9	2,9	3,5	2,9	0,1
Long Term Liabilities	807,6	896,2	761,5	1069,2	747,9	1275,2
Paid in capital	579,5	579,5	615,2	615,2	615,2	615,2
General reserves	173,7	242,9	121,0	342,7	340,7	207,0
Share premium	96,0	96,5	247,4	247,4	247,4	247,4
Cash Flow Hedge Reserve	–	–	–	2,1	0,0	1,4
Net profit for the year	69,4	-122,0	219,7	-133,3	20,8	-9,6
Shareholder's equity	918,6	797,0	1203,2	1074,1	1224,0	1061,3
Total liabilities and equity	2360,5	2617,0	2832,0	2757,3	2585,5	2990,9

Consolidated statement of cash flows

<i>(TLmn)</i>	2010	2011	2012	2013	1Q 2013	1Q 2014
Net income (loss)	69,4	-122,0	219,9	-133,3	20,8	-9,6
Depreciation and amortisation	71,7	92,5	105,3	111,8	26,7	29,3
Other adjustments	13	236,8	-46,4	193,0	5,4	27,2
Change in working capital	-67,1	-20,3	-189,4	7,5	-16,2	69,6
Operating cash flows	87	187,1	89,3	178,9	36,7	116,5
Purchased of PP&E	-315,1	-330,2	-130,4	-395,7	-26,0	-221,3
Investing cash flows	-333,9	-334,6	-116,9	-395,4	-25,8	-221,3
Financing cash flows	308,9	179,4	-41,9	219,5	46,2	214,3
Net cash flows	62	31,8	-69,4	3,1	57,0	109,5

Source: IFRS financial statements

Appendix



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Operating (Current)

Power plant	Licensed owner	Fuel type	Installed capacity MW (Current)
Mardin 1	Aksa Energy	Fuel-oil	30.00
Mardin 2	Rasa Elektrik	Fuel-oil	35.10
Northern Cyprus	Aksa Cyprus	Fuel-oil	120.00
İdil	İdil İki Energy	Fuel-oil	24.00
Total fuel-oil fired power plants			209.10
Antalya NGCC	Aksa Energy	Natural gas	1,150.00
Manisa NGCC	Aksa Energy	Natural gas	115.26
Van NGCC	Rasa Energy	Natural gas	114.88
Samsun	Aksa Energy	Fuel-oil conversion to natural gas	131.34
Ş.Urfa NGCC	Rasa Energy	Natural Gas	128.62
Total natural gas fired power plants			1,640.10
Balıkesir Şamlı	Baki	Wind	114.00
Hatay Sebenoba	Deniz	Wind	30.00
Manisa Karakurt	Deniz	Wind	10.80
Ayvacık	Ayres	Wind	5.00
Kapıdağ	Kapıdağ Energy	Wind	24.00
Belen / Atik	Aksa Energy	Wind	18.00
Total wind power plants			201.80
Çorum İncesu	Aksa Energy	Hydro	15.00
Total hydro electric power plants			15.00
Total power plants			2,066

Ongoing Investments and Revised Licence Portfolio

Planned Acquisitions from Kazancı Holding

Power Plant	Investment	License Owner	Fuel Type	Additional Capacity	
				(MW)	Completion Year
Siirt	Operational	Kazancı Holding	Fuel-Oil	24	2014
Akköy	Operational	Kazancı Holding	Hydro	13	2014
Datça	Licensed	Kazancı Holding	Wind	12	2015
Total				49	

Under Construction

Power Plant	Investment	License Owner	Fuel Type	Installed Capacity (MW)	Completion Year
Bolu Göynük	Greenfield	Aksa	Lignite	270	2014-15
Kıyıköy	Greenfield	Alenka	Wind	27	2014
Sebenoba	Extension	Deniz	Wind	30	2014
Şanlı	Extension	Baki	Wind	13	2015
Kozbükü	Greenfield	Idil İki	Hydro	62	2016
Sansa	Greenfield	Aksa	Hydro	85	2017
Total				487	

Licensed

Power Plant	Location	License Owner	Fuel Type	Installed Capacity	
				(MW)	Completion Year
Şanlı Urfa	Şanlı Urfa	Rasa	Natural Gas	141	2016
Antalya	Antalya	Aksa	Natural Gas	900	2017
İdere	Kayseri	Aksa	Hydro	30	2017
Efrenk	Mersin	Aksa	Hydro	20	2017
Yamanlı	Adana	Aksa	Hydro	24	2017
Kor	Bitlis	Aksa	Hydro	26	2017
Total				1.141	

Exclusive Negotiations to Obtain Licence

Power Plant	Location	License Owner	Fuel Type	Installed Capacity (MW)	Completion Year
Şahinkaya	Ordu	Aksa	Hydro	85	Post 2017
Tatlar	Kayseri	Rasa	Hydro	59	Post 2017
Avluca	Giresun	Idil İki	Hydro	40	Post 2017
Kazan	Bingöl	Deniz	Hydro	20	Post 2017
Tor	Kastamonu	Aksa	Hydro	120	Post 2017
Narlı	Bitlis	Aksa	Hydro	89	Post 2017
Akçay 1	Denizli	Gesa	Hydro	15	Post 2017
Akçay 2	Denizli	Gesa	Hydro	10	Post 2017
Total				438	

- Planned acquisitions from Kazancı Holding
 - Siirt 24 MW operating fuel-oil PP
 - Datça 12 MW wind farm licence
 - Akköy 13 MW operating hydroelectrical PP

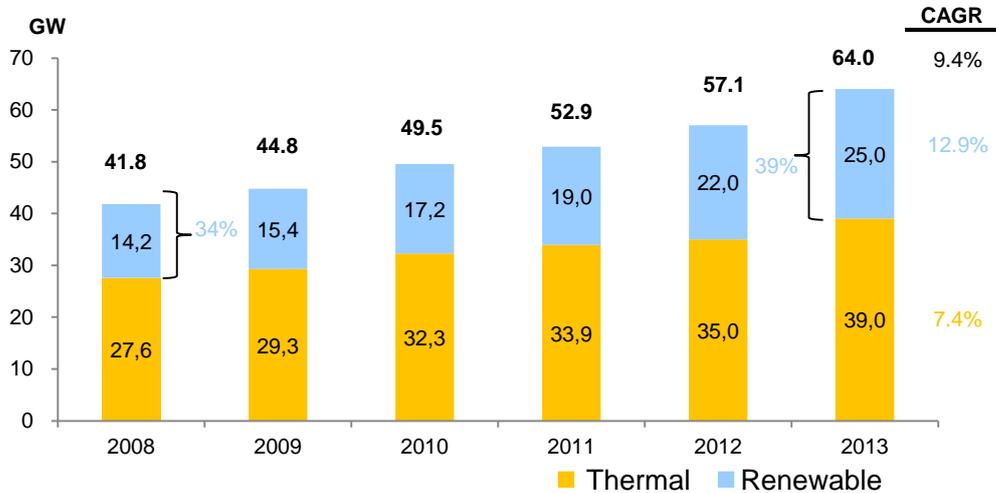
- Construction work is in progress for one lignite fired PP and five renewable projects
 - 270 MW local lignite fired PP
 - 70 MW wind farm
 - 147 MW hydroelectrical PP

- 1,141 MW of licenced projects

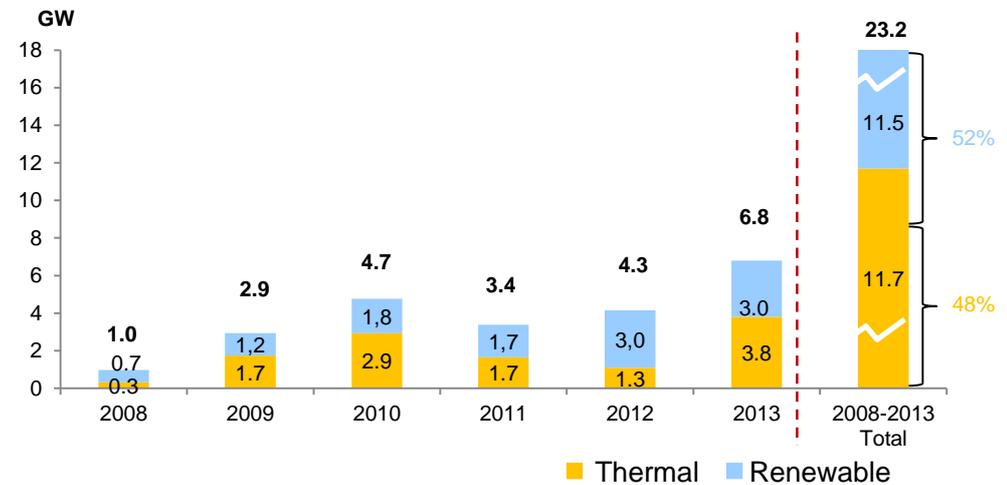
- 438 MW of projects in exclusive negotiations to obtain licence post 2017

Turkish power market

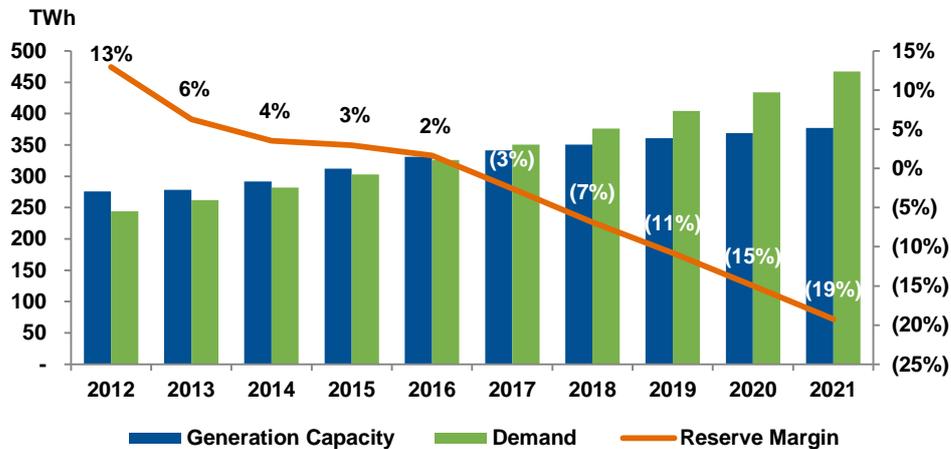
Installed Capacity by Fuel



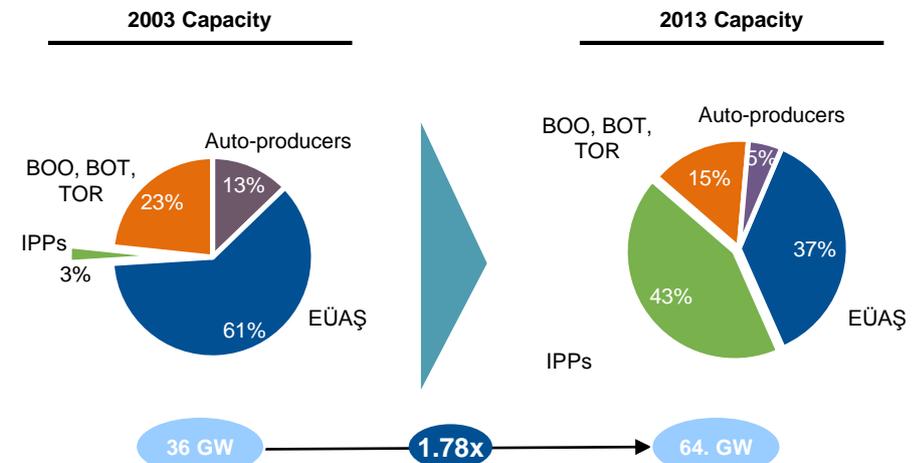
Annual Installed Capacity Increases



Reserve Margin Projections High Demand Scenario (1)



Installed Capacity Breakdown by Producer



Source: TEİAŞ.

(1) Generation capacity projections based on TEİAŞ 2012-2021 capacity projections scenario 1 and demand projections based on TEİAŞ 2012-2021 capacity projections high demand scenario. Reserve margin calculated as (generation capacity – demand) / demand.