

#SabanciofNewGeneration

ENERGY

SBU STRATEGIES

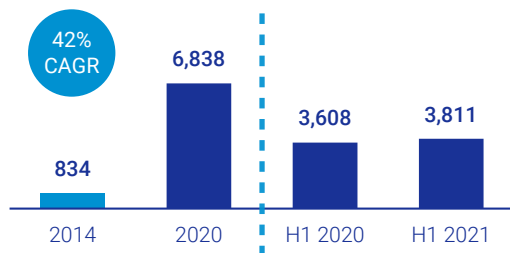
August 2021



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Combined Energy SBU EBITDA*



Significant Share in 2021 Non-bank Dividend Stream



Strategic

- Directly linked with the welfare and development of the country
- Attractive growth potential (demographics, urbanization)
- Well positioned in the entire value chain as the key player
 - 25% Market Share with 3 Regions
 - 5% Market Share in IPPs

Regulatory Support

- Transparent & professional regulatory framework supporting
 - Supply security of the country
 - Local and renewable generation capacity
 - Service quality for citizens/customers
 - Development of infrastructure and technology

Business

- High Cash Flow Generation
- Sustainable and attractive returns in distribution and retail
- Distribution – Inflation linked – Real Return of 12.3%
- Generation – Hard Currency – EBITDA heavily linked to Feed-in-Tariff and similar guaranteed revenue streams

Future Trends

- A strong platform to grow into new businesses
- All macro trends are linked with energy
- Technological changes
- High potential for digitalization and data analytics

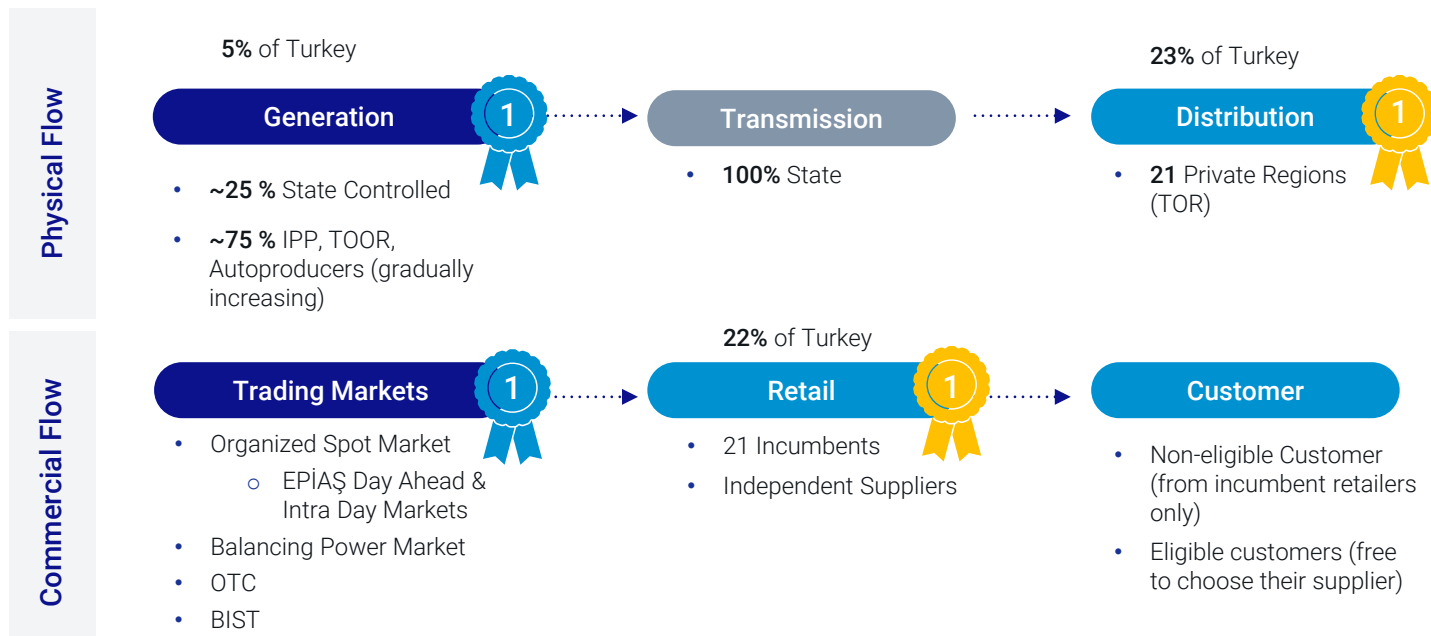


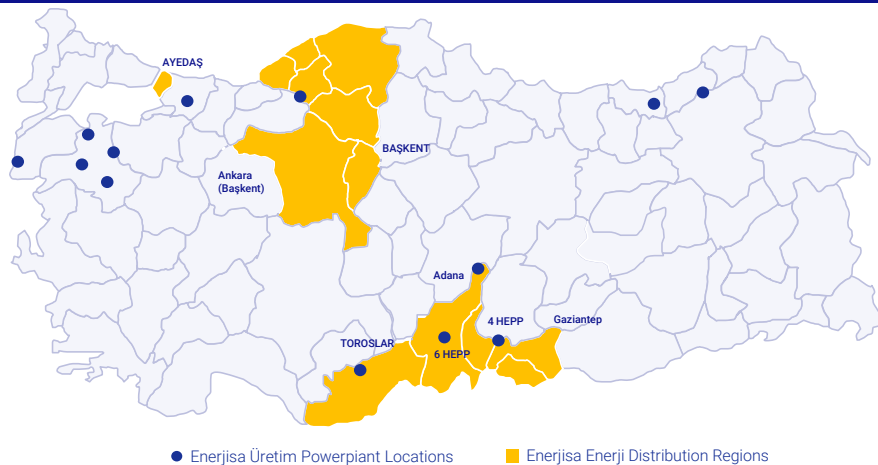
Leading Player in Electricity Generation and Trading



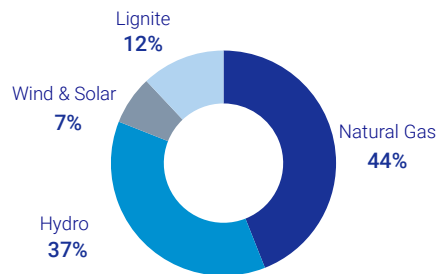
Leading Player in Electricity Distribution and Retail

Strong presence and footprint in the value chain by two leading players

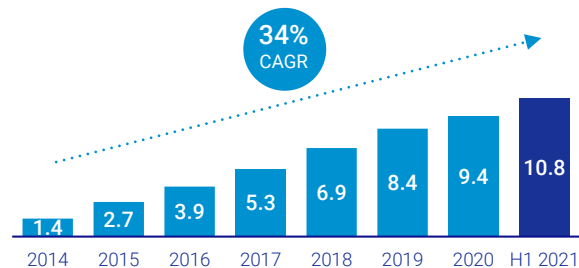




Well Balanced Generation Portfolio
Installed Capacity (3.607 MW)



Strong Historical Growth in Network Investment
Regulated Asset Base (TL bn)



Distribution & Retail



14 Cities	6 Metropolises	21+ m Population
10.2 m Customers	34 TWh 2020 Trade Volume	11.6 m Connections
TL10.8 bn RAB		244,880 km Network

Generation & Trading

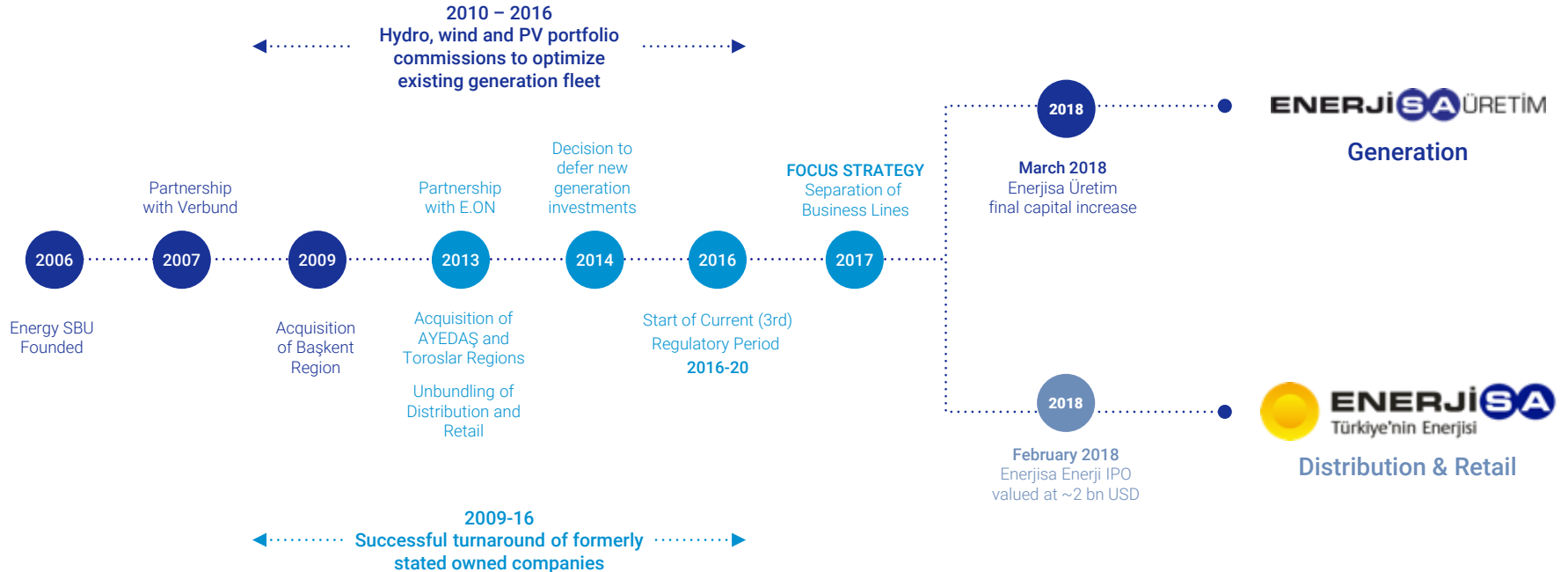


1st Private Player	21 Power Plants	3,607 MW Capacity
44% → 51%* Renewables	17 TWh 2020 Trade Volume	15.6 TWh 2020 Generation

Growth & High Investment
2006-2013

Turnaround
2013-2017

Capital Recycling
2017 onwards



Strong electricity demand
(5% CAGR since 2000)

- Electricity demand grew by CAGR ~5% in the last 15 years and projected to continue growing since per capita power consumption is well below OECD average.
- Min. 2.5-3 GW annual addition need to installed capacity in order to sustain healthy reserve margin

Established market and regulatory framework

- Independent regulator, EMRA , setting regulatory framework and market rules since 2001
- Established day ahead market run by private/public owned EPIAS, since 2011
- OTC market with ~100 TWh annual volume, since 2014

Clear state strategies for supply security

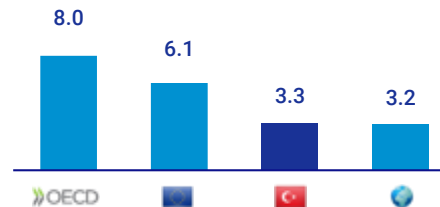
- Clear state strategy and resulting support mechanisms to ensure supply security, such as capacity payments for flexible new generation Natural Gas plants, rise in theft accruals, increase in WACC etc.

Mechanisms to promote use of local resources

- Well-established, 10-year fixed price USD-based Feed-in Tariff mechanism for operational renewables
- Additional support mechanisms to promote use of local lignite, such as EUAS PPA's and capacity charge mechanisms

Consumption Growth to Outpace EU Countries

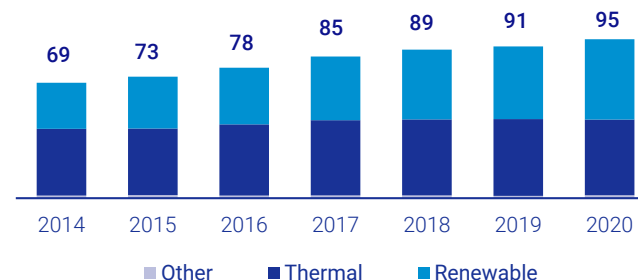
Electricity consumption per capita (MWh), 2018



Source: EIU, Worldbank

Increasing Renewable Electricity Generation Capacity

Installed Capacity of Turkey (GW)

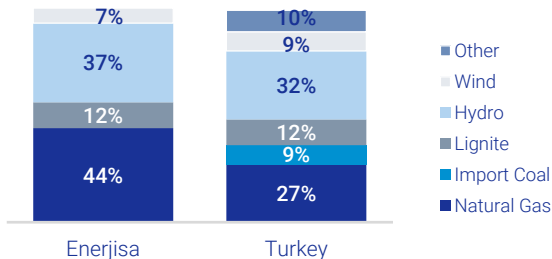


Source: TEIAS

Competitive advantages

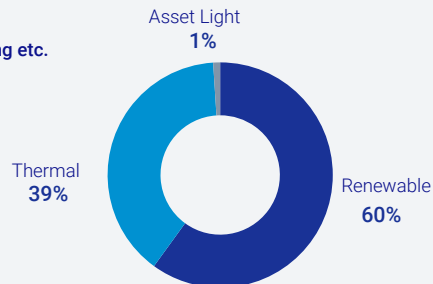
- Market leader amongst private generators
- Well-diversified generation mix in line with the country mix for optimizing market risks
- Hard Currency driven business
- Predictable EBITDA outlook thanks to feed-in-tariff
- Strong generation fleet with continuous performance improvements
- Pioneer and leader of energy trade
- High renewable growth potential

Electricity Generation Mix in line with Country mix (2020)



Breakdown of Generation EBITDA (H1 2021)

Tolling,
prop trading etc.



USD indexed feed-in tariff
(73-133 USD/MWh + local content support)

Natural Gas:

- Merchant play (~40-50 USD/MWh)
- Capacity mechanism (from 2018)

Lignite:

- PPA with state based on USD linked pricing (ranging at 50-55 USD/MWh) until 2025
- Merchant play (~40-50 USD/MWh)
- Capacity mechanism (from 2018)

Further Growth for Renewable in the Pipeline

The Wind Power Plant Connection Capacity Tender held in June 2017, Enerjisa won the 65 MW connection capacity. After that, in May 2019 two wind tenders with total 500 MW capacity are won by Enerjisa Üretim with following results;

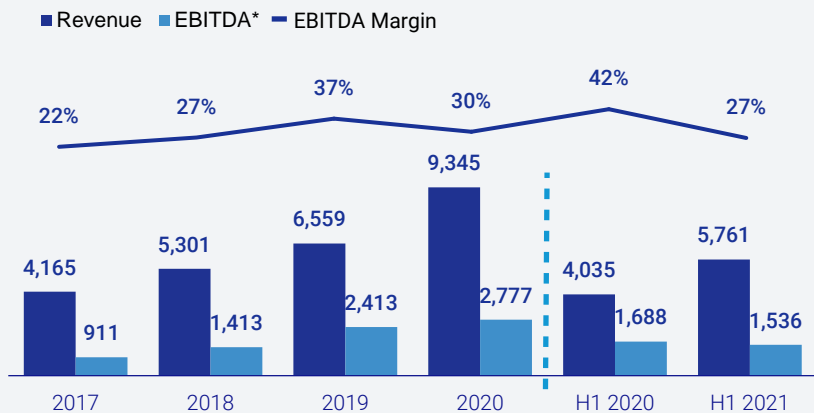
Region	# of bidders	Winner	Price
Aydın (250 MW)*	4	Enerjisa Üretim	45,6 \$/MWh
Çanakkale (250 MW)*	6	Enerjisa Üretim	36,7 \$/MWh
Kayseri (65 MW)**	31	Enerjisa Üretim	~35,0 \$ – 40,0 \$/MWh

* Option to build projects, final investment decision to be given in 2021-22 period

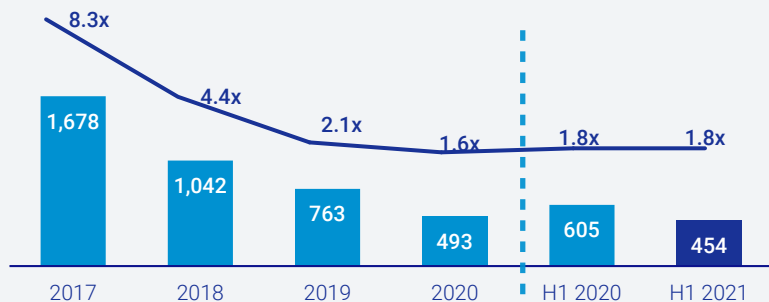
**According to new TL-based YEKDEM scheme , Escalation to be applied on a quarterly basis with a basket of Domestic PPI, Domestic CPI, change in USD exchange rate , and change in EUR exchange rate.

Enerji SBU: Generation / Resilient Operational Performance

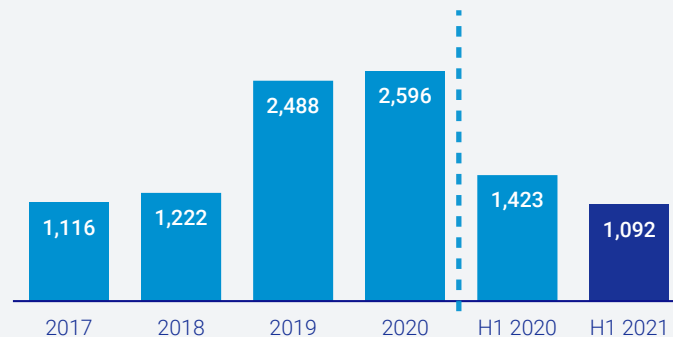
Deleveraging on Track



Net Debt (MEUR Equivalent) & Net Debt/EBITDA



Strong Free Cash Flow Generation (MTL)



Drivers of Strong Free Cash Flow Generation

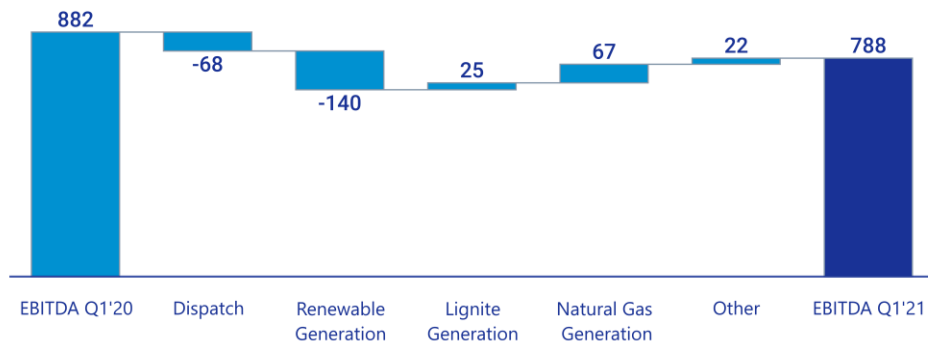
- Hard Currency FIT EBITDA
- Limited Capex requirement
- Improved Efficiency
- Capital injection (Feb'18) from both shareholders contributed deleveraging
- Economically totally hedged with USD linked revenue stream

Energy SBU : Generation / Effective Operations Across the Board & More Liberalized Market Mechanism

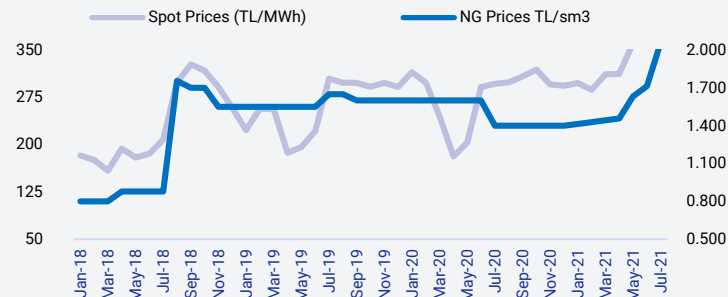
Generation: Latest Financials

MILLION TL	Q2 2020	Q2 2021	Change	H1 2020	H1 2021	Change
SALES	1,949	3,150	62%	4,035	5,761	43%
EBITDA*	882	788	-11%	1,688	1,536	-9%
EBITDA* MARGIN (%)	45%	25%		42%	27%	
Depreciation	128	133	4%	252	265	5%
Financial Income/(expense)	(271)	(395)	46%	(435)	(576)	32%
NET INCOME**	428	254	-41%	893	651	-27%

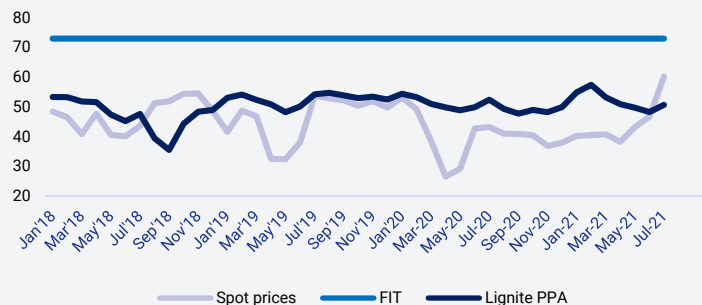
Quarterly EBITDA bridge (MTL)



Higher spread due to increase in spot prices despite higher BOTAS tariff TL Spot Electricity Prices (TL/MWh, LHS) vs Natural Gas Prices(TL/sm3)



Spread between spot prices and Feed-in-tariff narrowed due to demand increase Spot prices vs Feed-in-tariff & Lignite PPA (USD/MWh)



Strong macro with favourable dynamics

- Population growth of 1.4% p.a. since 2000, expected 0.6% p.a. until 2042
- Economic growth driven by increasing population and prosperity, with GDP expected to grow 4.7% p.a. until 2042
- Young population with median age of 32 years
- Urbanization rate is around 75% and below European countries

Strong electricity demand (5% CAGR since 2000)

- Electricity demand growth ~5% p.a. since 2000, and projected to continue growing since per capita power consumption is well below OECD average
- Electricity consumption per capita of 3.3 MWh in 2018 is significantly behind European countries

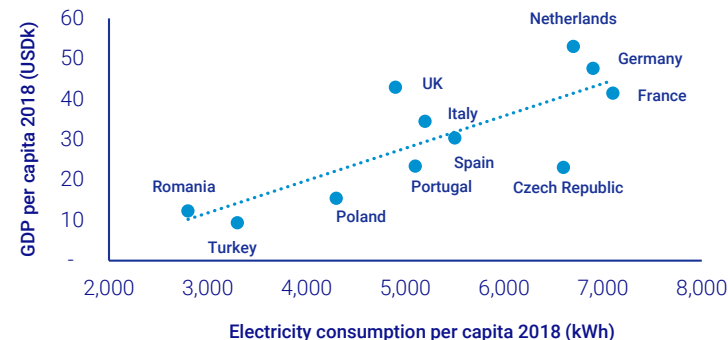
Quality improvements required

- Frequency and duration of outages as well as level of theft and loss rates vs. other EU countries highlight need for significant additional investments into network quality improvements

Impact from renewables / decentralised energy

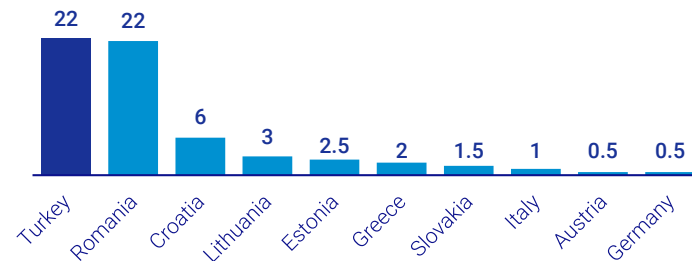
- Exceptional wind and solar generation capacity increase from virtually nothing in 2000 to >10 GW has driven network requirements
- Renewables and decentralised energy will play a significant role in security of supply in the future (>5 GW wind and solar installed capacity expected until 2023)

Electricity Consumption per Capita Significantly Below European Countries



Source: IEA, Worldbank

SAIDI Unplanned Electricity Outages- Benchmarking Hours per year, 2019

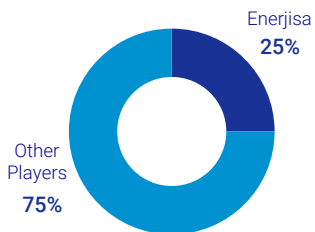


Competitive Advantages

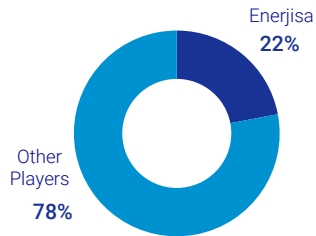
- Turkey's leading electricity distribution and retail company – Economies of Scale
- TL and inflation linked long-term borrowing to match revenue stream – Access to competitive financing with Sabancı name
- Fundamental growth from incumbent regions (Başkent, Ayedaş and Toroslar)
- Large retail customer base of more than 10 million (representing 22% market share) with high proportion of regulated sales
- Know-how transfer from Sabancı & E.ON
- Well-known and trusted brand

Turkey's no.1 electricity distribution and retail company

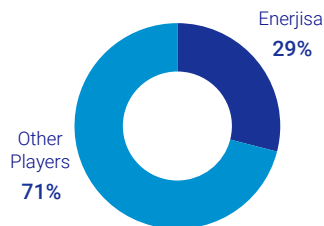
11.6 m Distribution Connections



10.2 m Retail Customers

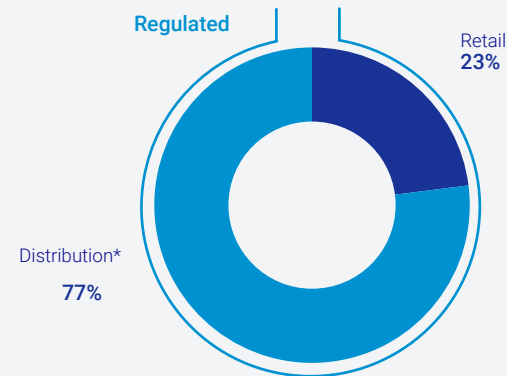


Share of National RAB



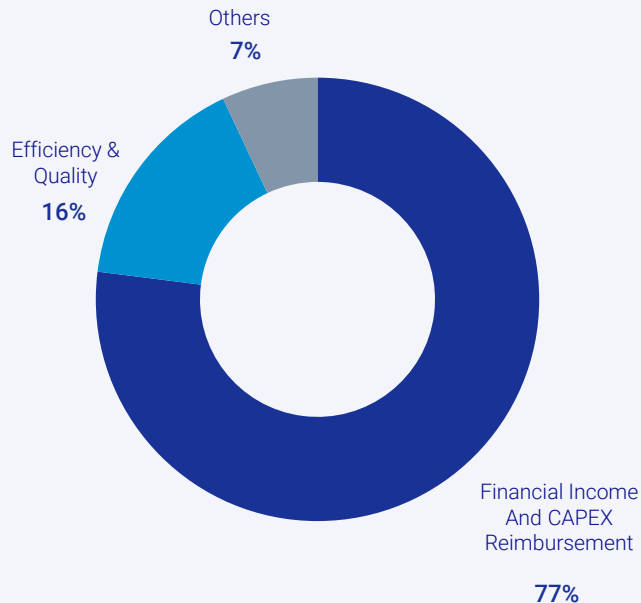
Supportive and Transparent Regulatory Framework

Breakdown of EBITDA (H1 2021)

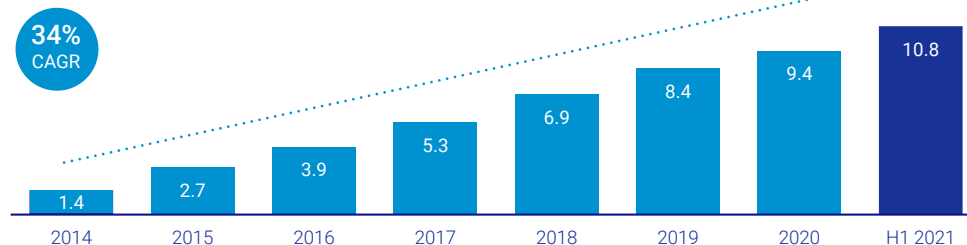


- Regulated Investment Returns with a supportive WACC (12.3%)
- Regulated Efficiency & Quality Parameters
- Regulated Retail Margin (2.38% on reference procurement price + retail service revenues resulting in 8.5% gross margin in 2020)

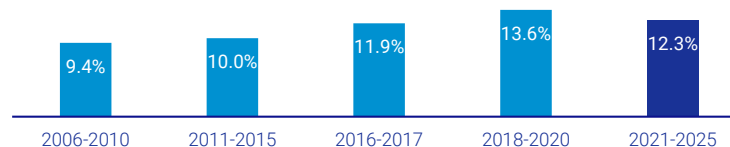
Distribution Operational Earnings* Breakdown (H1 2021)



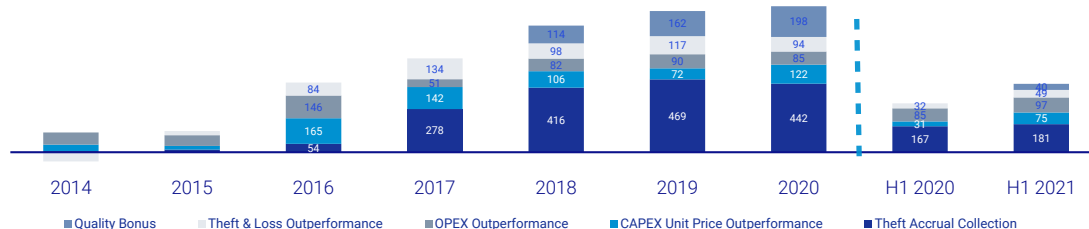
Strong Historical Growth and Untapped Potential
Regulated Asset Base (TL bn)



Regulation Incentivizes Investments - Regulated WACC (real)

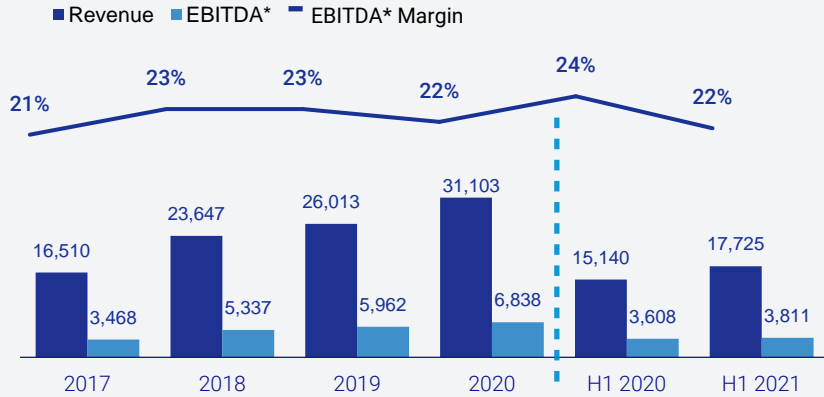


High Support for Efficiency Improvements - Efficiency & Quality Split (m TL)

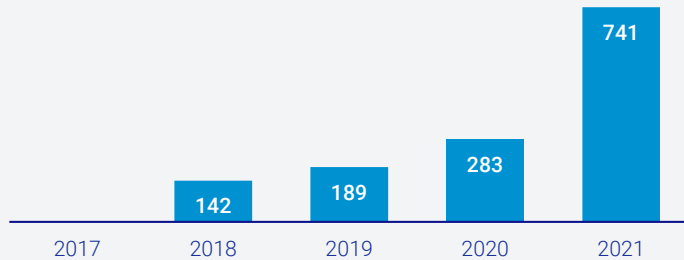


*Operational Earnings include Capex Reimbursement

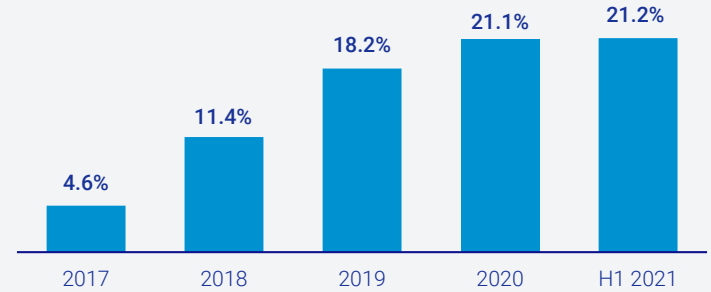
Energy SBU / Operating Performance Remained Resilient Despite Continuous Weakness in Hydrology



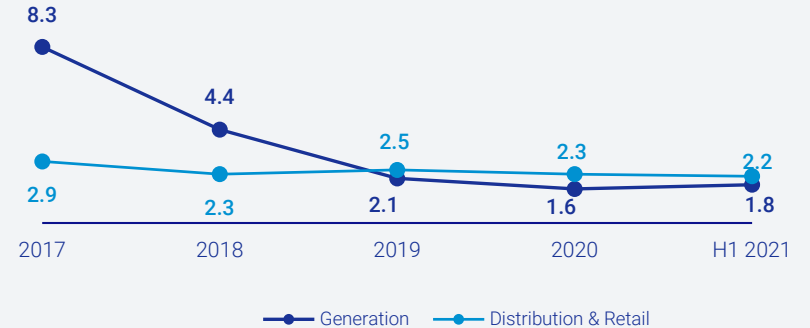
Paying back to the shareholders
Dividends Paid to Sabancı Holding (m TL)



Improvement in ROE
Return on Equity (%)



Deleveraging
Net Debt / EBITDA* Ratio



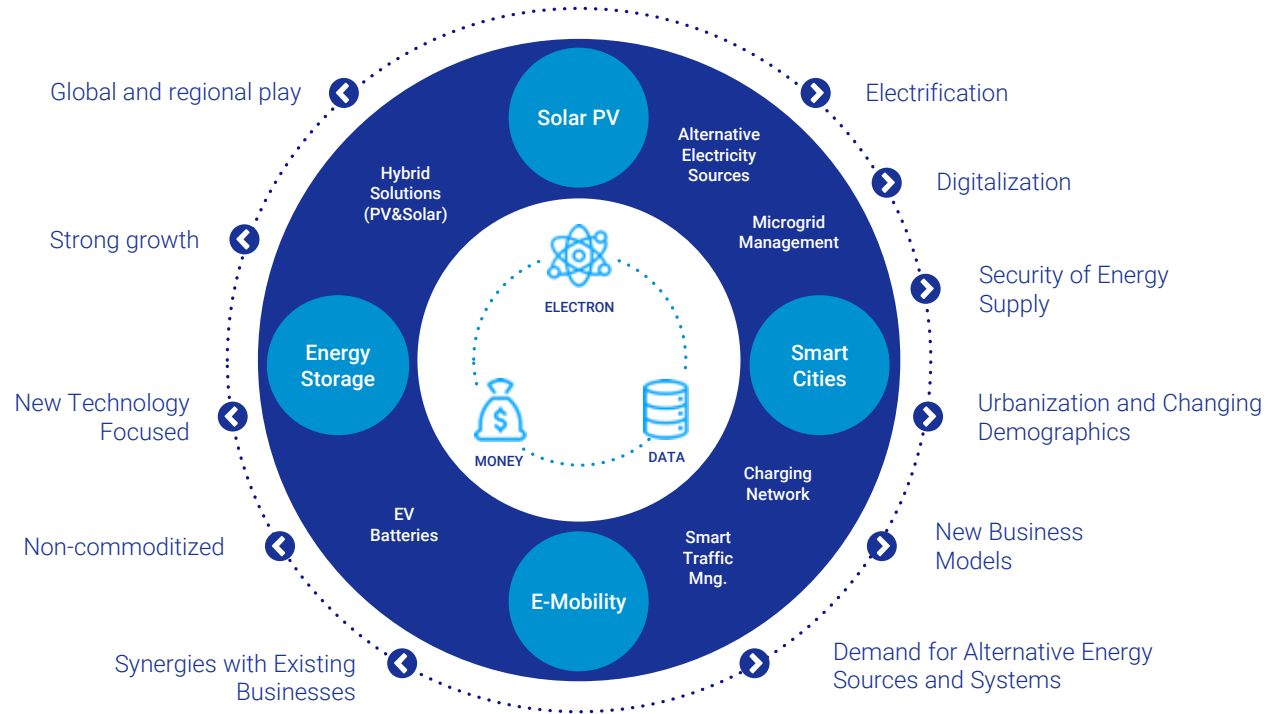
*Excludes non-operational and non-recurring one off items

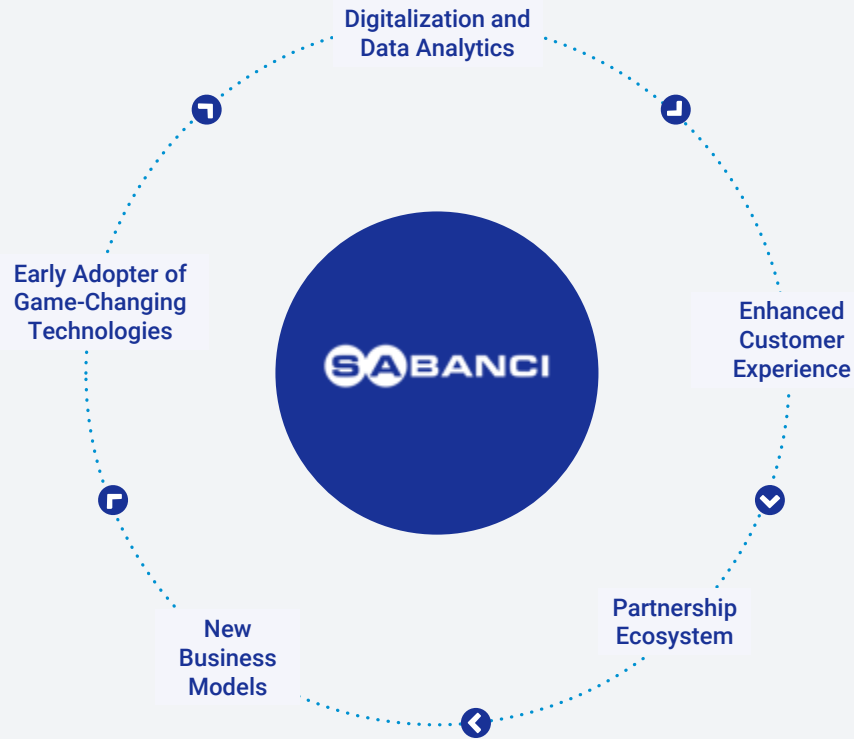


- Healthier Financials and first dividend payout in 2021
- Capitalize growth opportunities by asset light options
- Portfolio optimization with growth in renewables and monitoring M&A opportunities (divest/invest)
- Operational Excellence with improvement projects to increase output, improve cost base and efficiency and establishing culture of performance
- Capital and commercial optimization to ensure strong financials and asset value

- Leverage Customer Base into New Services and Customer Solutions
- Benefit from Retail Liberalisation
- Drive Operational Excellence, Digitalise all Processes
- Ensure Competitive Financing Cost and Leverage
- Capitalise on Distribution Investment Opportunities
- Stable regulatory framework supporting investments, governance and quality

Energy SBU assessed new business areas based on Sabancı Holding investment criteria, global mega trends and industry/market dynamics





01 We are committed to staying at the center of the technologies that will shape the future energy world

02 We aim to build our human capital and competencies to enhance our leadership position

03 We position ourselves in the center of the local and global innovation ecosystem

04 Sustainability is our guiding principle in each and every business decision we take

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