

# EPIAŞ

**The European Electricity and Gas Market  
in an Unstable High Price Environment.  
Are There Any Solutions?**

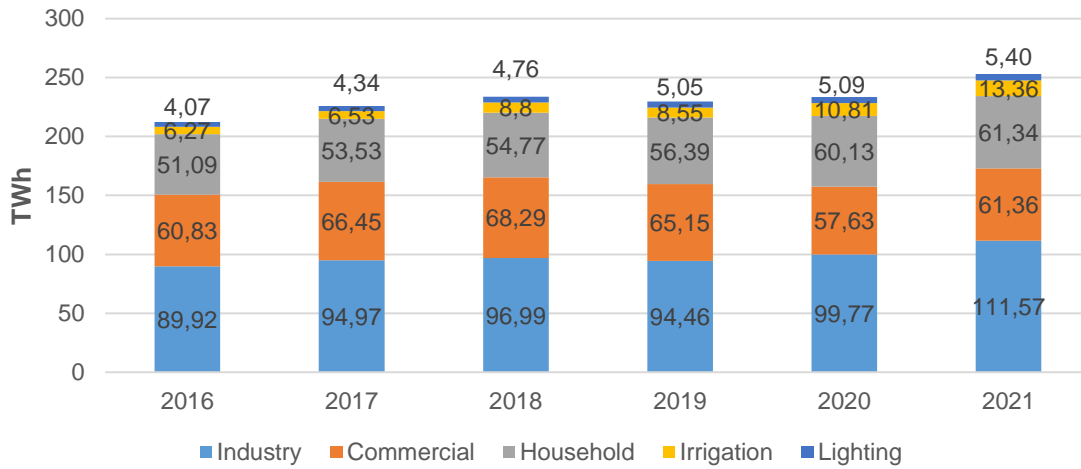
**IENE 26th National Energy Conference**

**Avni Çebi**

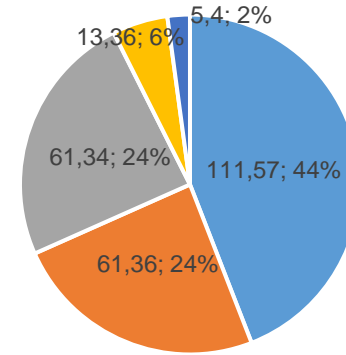
Strategy Development Director

23.11.2022

### Breakdown of Electricity Consumption by Bill

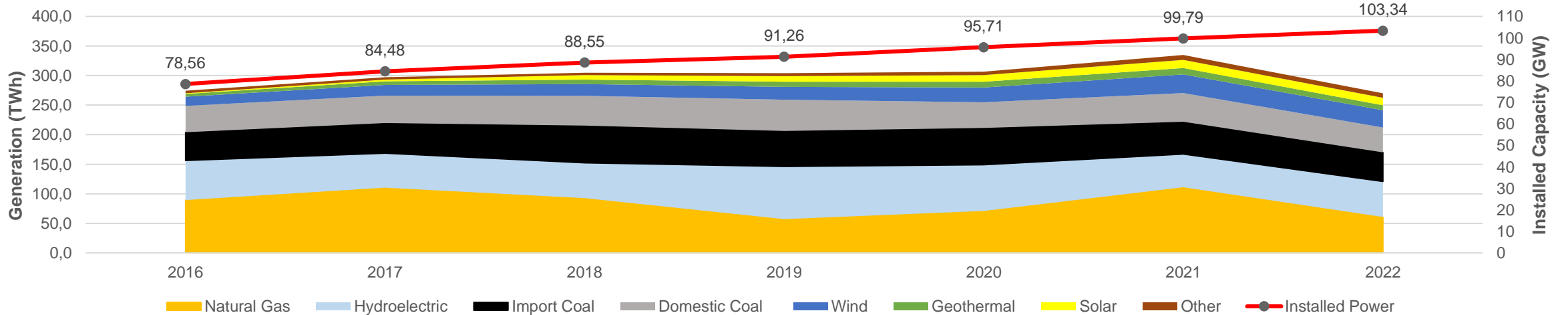


### Breakdown of Consumption-2021 by Bill (TWh)

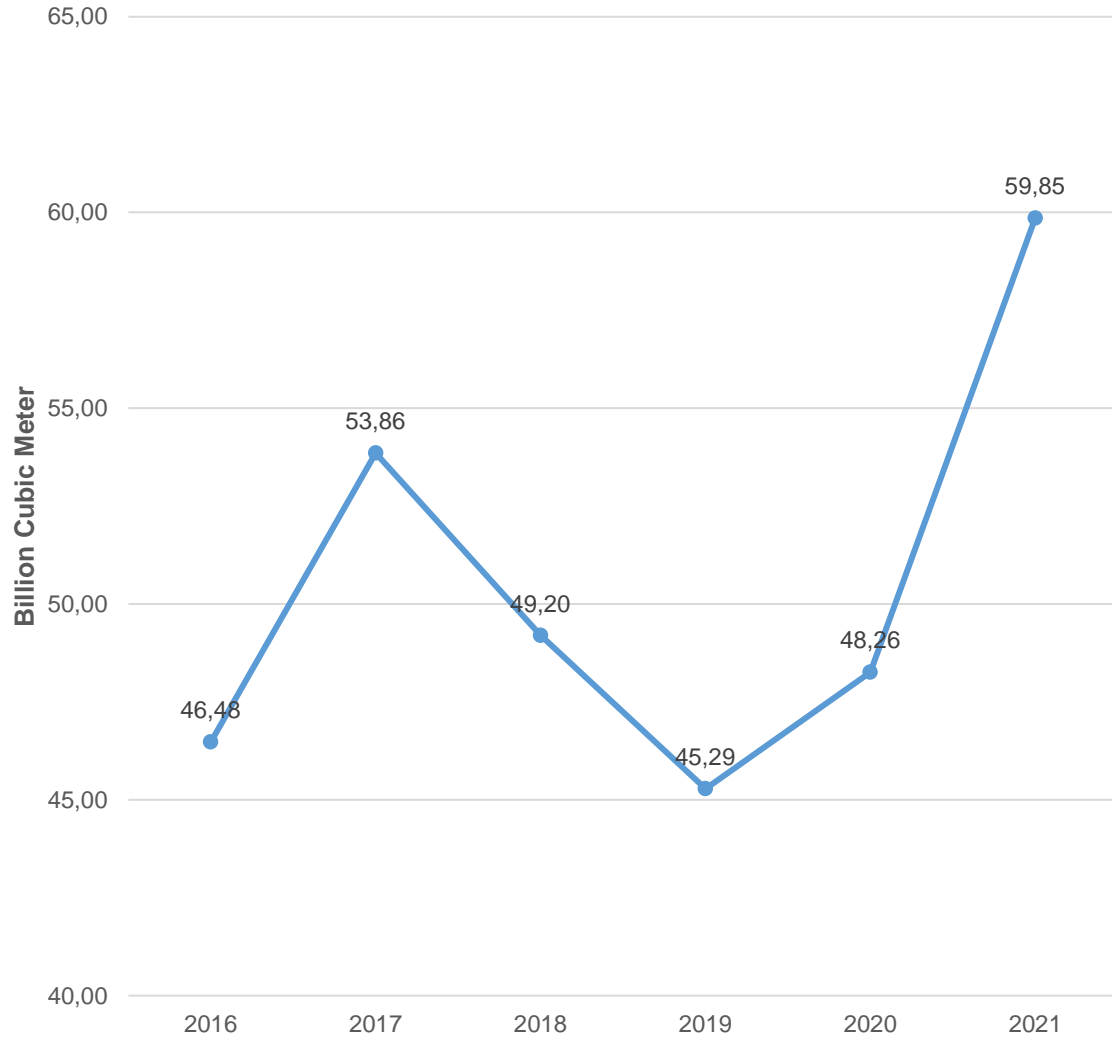


Consumer Type	Current Consumer Numbers
Lighting	59,389
Household	37,662,438
Industry	91,074
Irrigation	743,432
Commercial	6,533,421

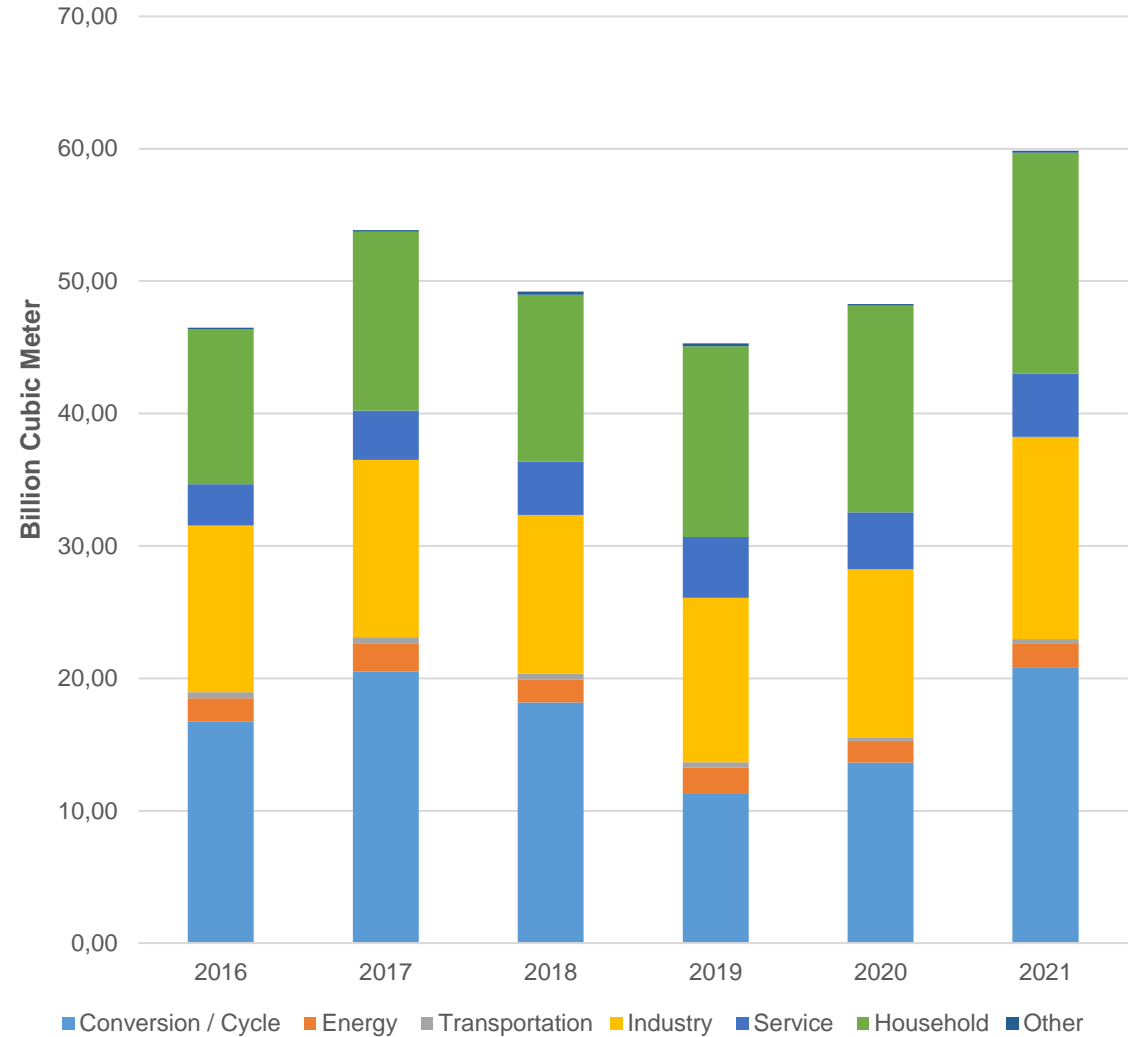
### Generation and Installed Capacity



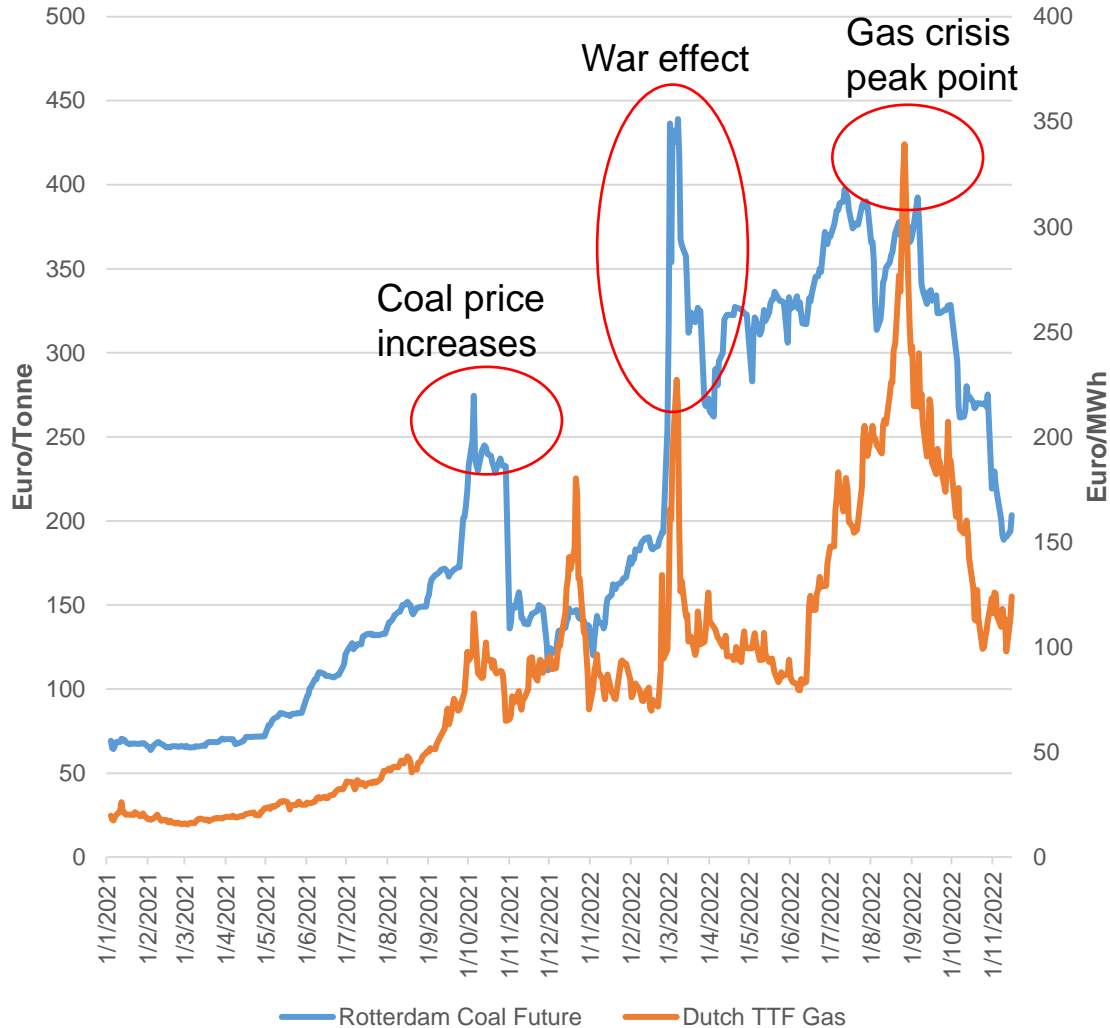
## Total Natural Gas Consumption



## Breakdown of Natural Gas Consumption

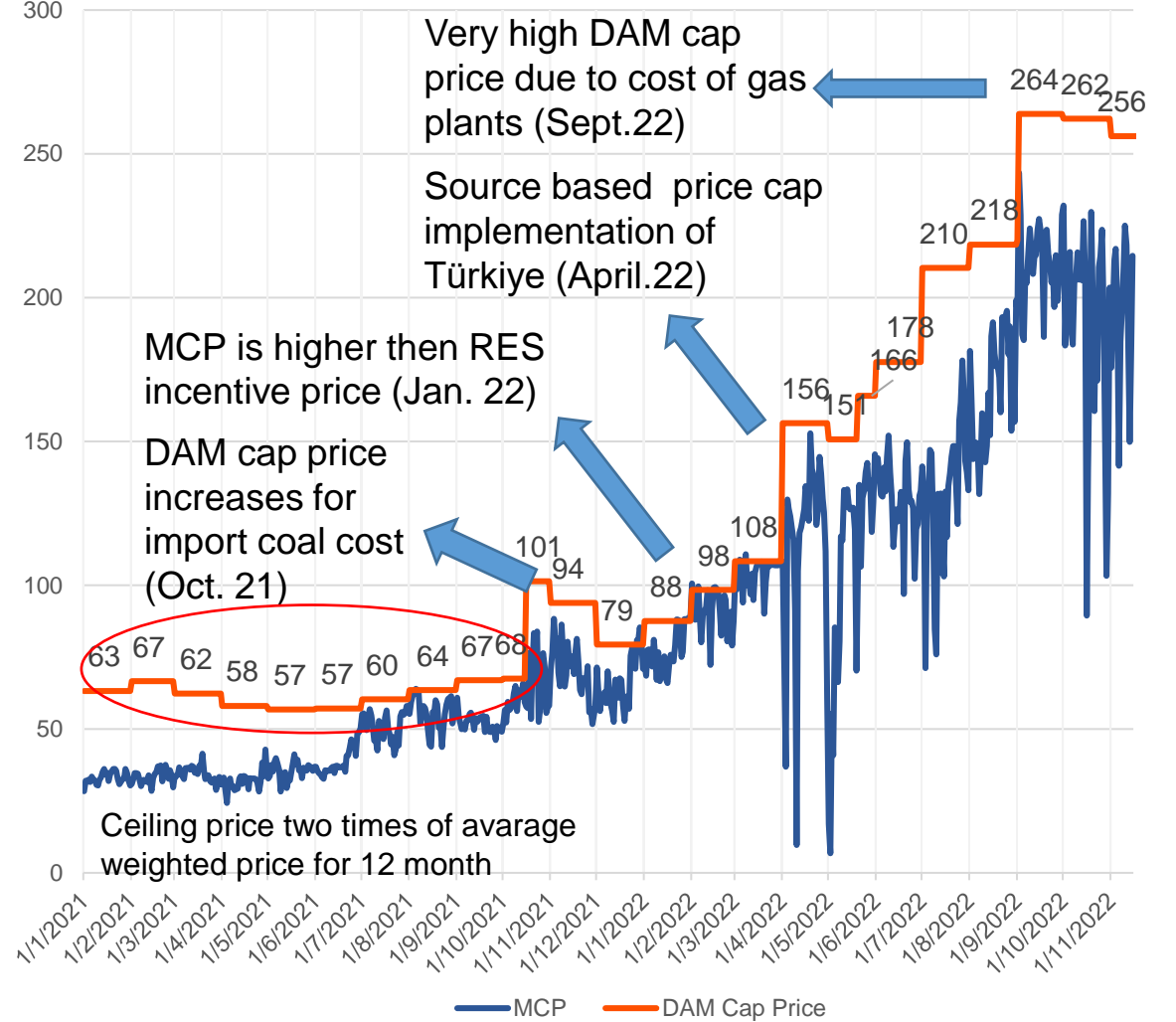


### Rotterdam Coal Future and Dutch TTF Gas



Euro/MWh

### DAM Price Cap and MCP



## Source Based Price Cap in Türkiye

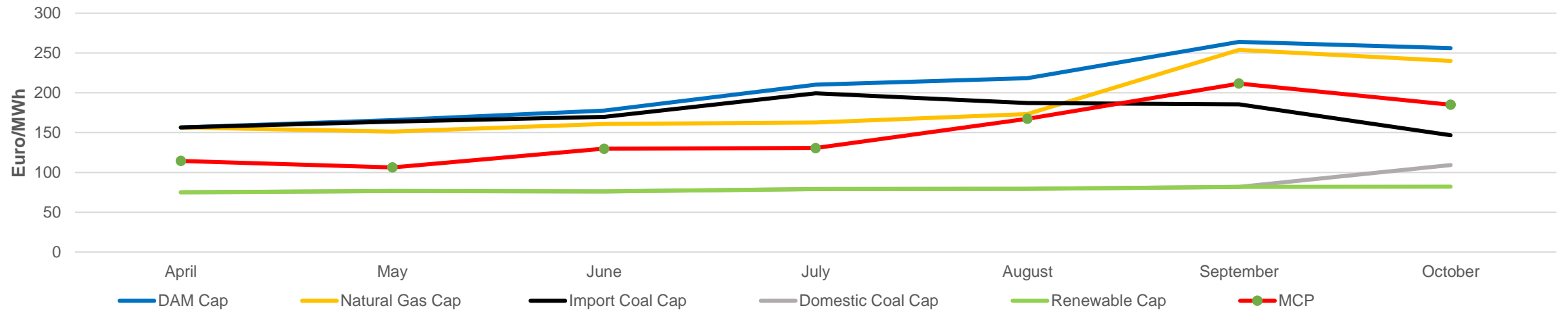
DAM Cap	2500 TL/MWh	156 Euro/MWh
Natural Gas Cap	2500 TL/MWh	156 Euro/MWh
Import Coal Cap	2500 TL/MWh	156 Euro/MWh
Domestic Coal Cap	1200 TL/MWh	75 Euro/MWh
Renewable Cap	1200 TL/MWh	75 Euro/MWh

DAM Price Cap and Source Based Price Cap in April-2022

DAM Cap	4800 TL/MWh	256 Euro/MWh
Natural Gas Cap	4500 TL/MWh	240 Euro/MWh
Import Coal Cap	2750 TL/MWh	147 Euro/MWh
Domestic Coal Cap	2050 TL/MWh	109 Euro/MWh
Renewable Cap	1540 TL/MWh	82 Euro/MWh

DAM Price Cap and Source Based Price Cap in October-2022

### DAM Cap-Source Based Price Cap and MCP



Source Type	Variables Used in Source Based Price Cap Calculation
Natural Gas	Inflation, Currency, BOTAŞ Natural Gas Purchase Tariff, Special Consumption Tax, Transmission Tariff
Import Coal	Inflation, Currency, Rotterdam Coal Future Price (API2), Transmission Tariff
Domestic Coal	Inflation, Currency, Transmission Tariff
Renewable	Inflation, Currency, Transmission Tariff

Total payment to the assigned supply company:  
**1.317 Billion Euro**

Natural Gas Cap	4,619.41 TL/MWh	253 Euro/MWh
Import Coal Cap	3,372.67 TL/MWh	184 Euro/MWh
Domestic Coal Cap	1,488.21 TL/MWh	81 Euro/MWh
Renewable Cap	1,488.21 TL/MWh	81 Euro/MWh

### September Source Based Price Cap

1

Since 1 January 2022, the gradual tariff has been started to be implemented for household low voltage (LV) single-time subscriber group. Daily average 8 kWh and below are low levels.

2

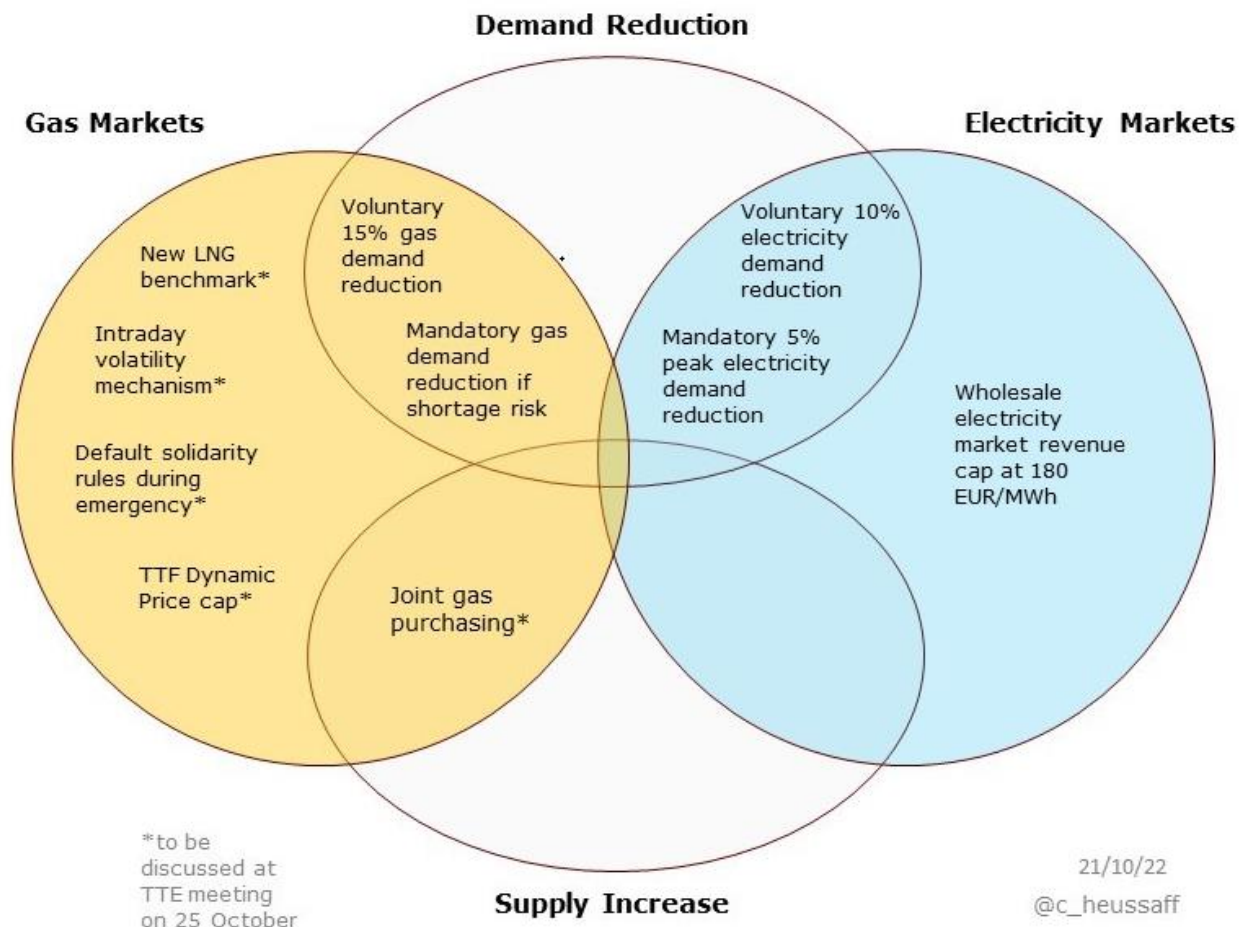
Since 1 March 2022 the gradual tariff has been started to be implemented for commercial low voltage (LV) single-time subscriber group electricity users. Daily average 30 kWh and below are low levels.

3

The VAT rate implemented with electricity consumption has been reduced from 18% to 8% for irrigation and household consumers since 1 March 2022

Household Low Level (monthly 240 kWh and below )	1.73 TL/ kWh
Household High Level (monthly 240 kWh above)	2.60 TL/ kWh
Commercial Low Level (monthly 900 kWh and below)	2.71 TL/kWh
Commercial High Level (monthly 900 kWh above)	3.61 TL/kWh
Yearly Average MCP (1 January-23 November)	2.37 TL/ kWh

**Energy Crisis Response - EU Policy Mix**





# Thank You

Avni ebi  
Strategy Development Director