



**18th IAAE EUROPEAN CONFERENCE, MILAN 23 – 27 July 2023**



**CLIMATE CHANGE IMPACTS ON PUBLIC POLICY GOVERNING TURKISH ELECTRIC VEHICLE  
MARKET DEVELOPMENT**

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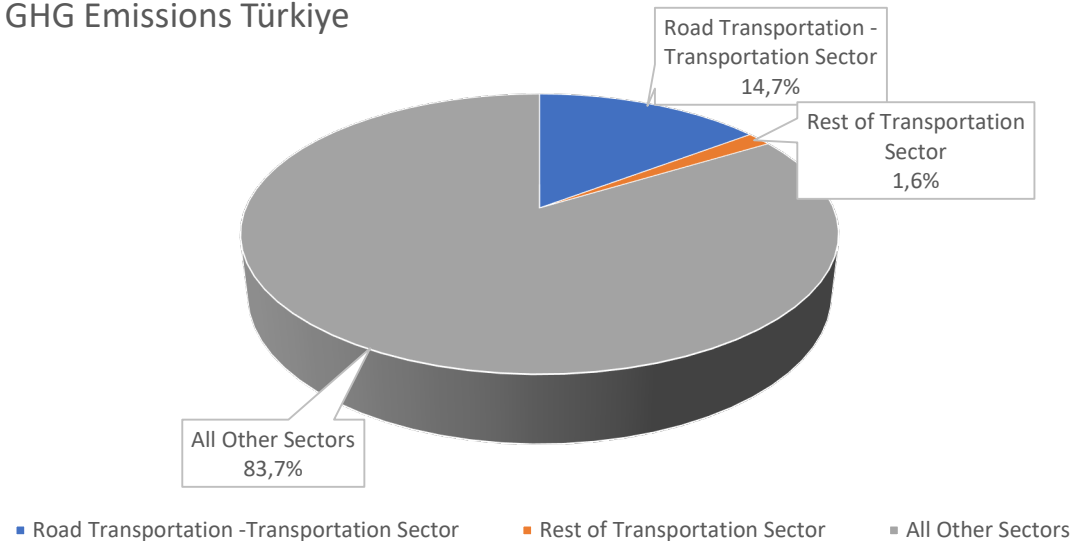


## Towards «0» emission transportation



**Zero Emission Vehicles Agreement:** More than 100 countries and automakers, including Türkiye, have committed to ensuring that all new car and van sales in leading markets will be fossil-fuel-free by 2040 latest in the world.

Total GHG Emissions Türkiye

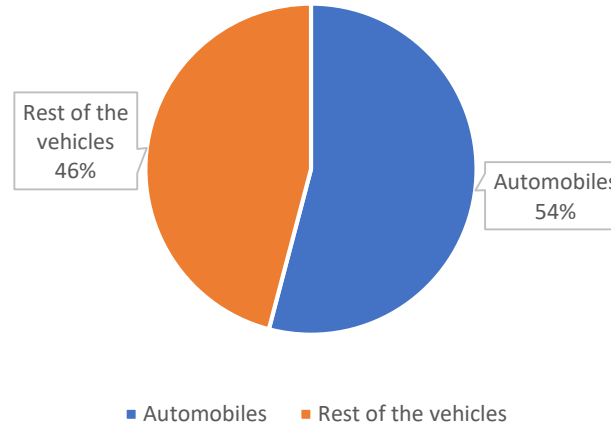


## The Facts about Turkish Road Transportation

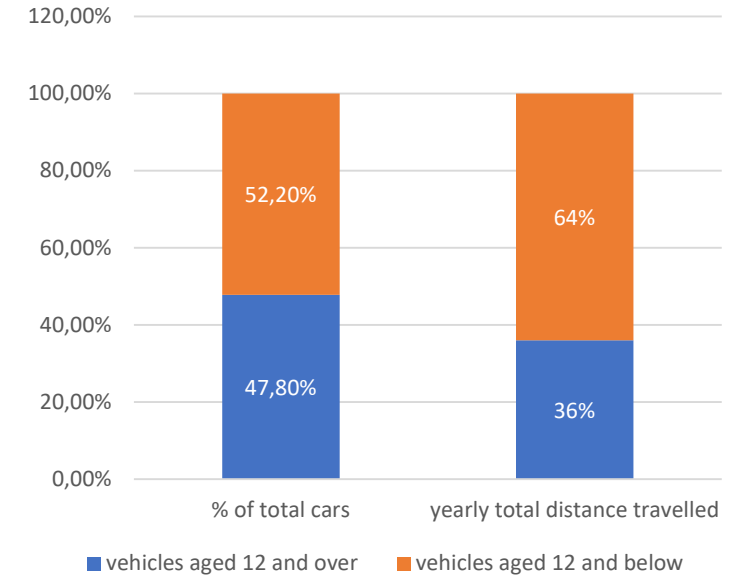
The total number of vehicles registered to traffic in Turkey is 25 million 249 thousand 119

Vehicles of 10 years ago cause twice as much greenhouse gas emissions and air pollution (NO<sub>x</sub>, etc.) compared to today's vehicles.

Vehicle Type Distribution



Road Transportation



**Significant reduction in greenhouse gas emissions is possible with the electrification of automobiles in Türkiye.**



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## The Facts about Turkish Automotive Sector

The automotive industry ranks 13th in the World Automotive Market and 4th among EU countries. (2022)

Automotive industry is at first place with a 13 percent share in total exports in Türkiye.

In 2022, 64% of the total 31.5 billion dollars of production were exported to EU countries and 11% to the UK

**It is vital for Turkish manufacturers to produce vehicles or spare parts according to the trends in EU countries**

In 2018, with response the call of the Turkish government, 5 Turkish companies established Turkey's Automobile Enterprise Group, or simply Togg, an electric car manufacturer company.

Rank	Country	Motor vehicle production (units)
1	China	26,082,220
2	United States	9,167,214
3	Japan	7,846,955
4	India	4,399,112
5	South Korea	3,462,404
6	Germany †	3,308,692
7	Mexico	3,145,653
8	Brazil	2,248,253
9	Spain	2,098,133
10	Thailand	1,685,705
11	Russia	1,566,317
12	France †	1,351,308
13	Turkey	1,276,140

## The Policy and strategy documents that support transport sector transition in Turkey

- Planned Areas Zoning Regulation (03.07.2017) fuel stations or other suitable places to make electric vehicle charging points
- Draft Procedures and Principles for EMRA Electric Vehicles Charging Station (November 2017) unit service fee may be charged over the charging time (TL/minute) without a license
- Industrial facility investments involving the production of electricity or hydrogen-powered transportation vehicles in the amount of minimum TL 50 million and R&D environmental investments were included among the priority investment topics. December 2020'
- The special consumption tax ("SCT") of 3% to 15%, which varies according to the power capacity of the engines of electric vehicles, has been revised to 10% to 60%. February 2021
- Parking Regulation (March 2021) At least 2% of parking spaces in regional parking lots, public parking lots and parking lots belonging to shopping malls
- Regulation in the Regulation on Business Opening and Working Licenses (May 2021) the charging station and the operator of the workplace where the station will be established are different persons
- Electric Scooter Regulation (May 2021)
- YEK-G Certificate, (June 2021) is a document designed to prove that the electricity consumed by companies is obtained from clean sources
- Türkiye Green Deal Action Plan (July 2021)
- With the additional article introduced to the Electricity Market Law, charging services licensing processes Law No. 7346 (December 2021)
- EV Charging Network Operator Regulation (April 2022)

## Results

As a result of these strategy and legislative measures, a great increase was observed in electric vehicle sales; EV sales have tripled for the last 3 years in a row.

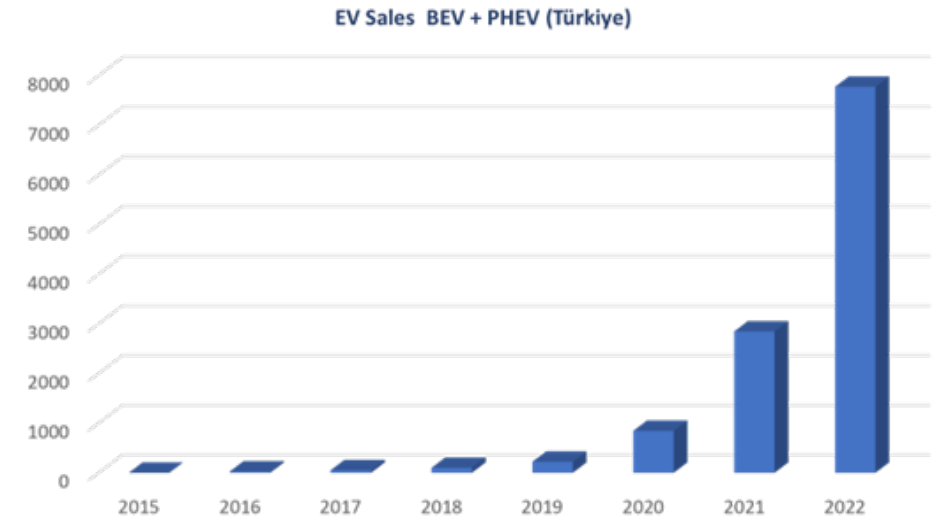
Electric car sales rose to 13,294 (that is more than total EVs sold until 2023) in the first half of 2023, reaching 3.1% of all car sales.

More increase in e-mobility sector was realized in the EV charging infrastructure; by the end of 2023, Turkey will have enough charging infrastructure for 200,000 electric vehicles.

With the incentive in the form of a grant in 2022, 1572 fast charging stations with a total installed power of 180 MW were installed.

Turkey increased the tax on electric vehicles of Chinese origin from 20% to 40% in February 2023.

Efforts to develop, revise, or implement laws and policies are still ongoing...



## Conclusion

As part of the fight against climate change, countries have turned to clean fuels in transportation.

This is why the transition from internal combustion engine vehicles to electric vehicles gained importance.

Turkey, which has a strong automotive sector, closely followed the transition to electric vehicles in the EU, where it is geographically, politically and economically close, created its own strategies and published its legislation.

There are several policy and strategy documents that have been developed to support transport sector transformation in Turkey

**The results show that the policies and strategies developed for the dissemination of EVs are in place and highly successful in Türkiye.**



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**THANK YOU FOR LISTENING...**

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