THE PROPOSAL

ENVIRONMENTAL TAX ON VEHICLE REGISTRATION

4.5

4.0

3.5

3.0

2.5

2.0

1.5

1.0

0.5

0.0

€ (millions)

Change the methodology for calculating the existing environmental tax on vehicle registration to depend directly on the declared price of vehicles in terms of CO₂ emissions, taking social aspects into consideration.

The environmental tax on registration would cost vehicleowners the following:

- Battery Electric Vehicle (BEV): **0 MKD**
- Plug-in hybrid electric vehicles : a maximum of **81 MKD**
- Hybrid vehicles: a maximum of **250 MKD**
- An average diesel or petrol vehicle: **700 MKD**

ENVIRONMENTAL TAX ON FUELS

Gradual increase of the current tax, reaching MKD 2/I by 2035, including for liquid petroleum gas.

A person driving 10,000km a year in a car that consumes 10 liters/100km annually spends MKD 80 for environmental purposes according to the current methodology. With the proposed change, these expenditures would rise from MKD 300 in 2019 to MKD 2,000 by 2035.

12 10 8 5.7 If all funds collected from this tax are 6 intended for subsidies of electric vehicles 4 per vehicle € (millions) 2 960 per year 0 2028 2026 2029 2030 2035 2023 2024 2025 2027 2031 2032 2033

THE ECONOMICS

If all funds collected from this tax are

intended for subsidies of electric vehicles

EUROS

per vehicle

400-800 per year

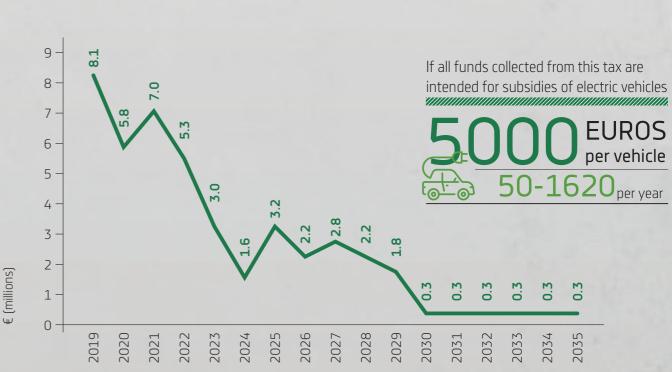
Total funds collected from environmental tax at fuel purchase

Total funds collected from environmental tax at vehicle registration

ENVIRONMENTAL TAX ON IMPORT

Payment of an environmental tax on import, not only for used but also for new vehicles, depending on the vehicle's declared ${\rm CO_2}$ emissions.

When importing a vehicle using petrol and consuming 10l/100km, the environmental tax will amount to approximately 19,300 MKD. By contrast, when importing a hybrid vehicle the tax amounts to a maximum of 2,000 MKD: a maximum of 650 MKD for PHEV, and 0 MKD for BEV.



Total funds collected from environmental tax on vehicle import

EQUALLING EXCISE DUTY ON DIESEL AND PETROL

Equalling the excise duties on diesel and petrol gradually up to the year 2025, when it should be equal for all oil products.

The purchase of used diesel vehicles will no longer be profitable. New diesel vehicles and petrol vehicles will be purchased.

REDUCING EXCISE DUTY AND VAT ON VEHICLE IMPORT

Reducing VAT from 18% to 5% for hybrid and electric vehicles.

Not sufficient for electric cars to be competitive in the market.

SUBSIDIES FOR ELECTRIC CARS

CO, EMISSIONS IN THE YEAR 2035

Direct subsidizing, combined with a reduction in excise duty and VAT from 18% to 5% on import and additional direct subsidizing

18% to 5% on import and additional direct subsidizing.



Electric car % & Reference Scenario

3000 mpkm served by new diesel vehicles in the Reference Scenario will be replaced by electric vehicles in 2035.

THE SHARE OF ELECTRIC VEHICLES IN THE YEAR 2035

ELECTRIC VEHICLES 25%
12.5%
BEV
PHEV

Total mpkm

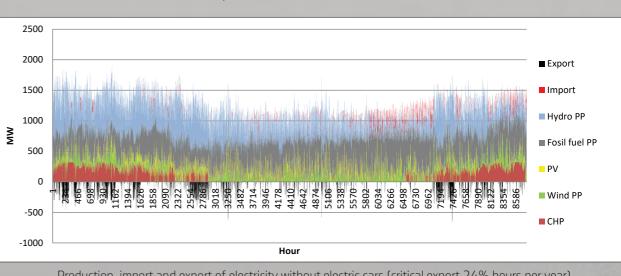
ADDITIONAL BENEFITS

Electric vehicles can increase the penetration of renewable energy sources. Vehicles are parked 80-95 percent of the time, and if continually plugged in the grid, they can be used for smart charging.

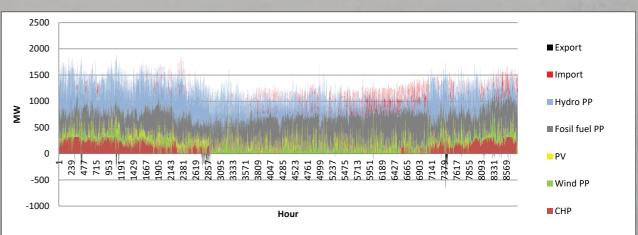


Penyблика Македонија
Министерство за животна средина
и просторно планирање

Produced for the Second Biennial Update Report on Climate Change, with
the technical and financial support of the United Nations Development
Programme (UNDP) and the Global Environmental Facility (GEF).



Production, import and export of electricity without electric cars (critical export 24% hours per year)



Production, import and export of electricity with electric cars (critical export 2% hours per year)