

EV Charging Framework for Sri Lanka

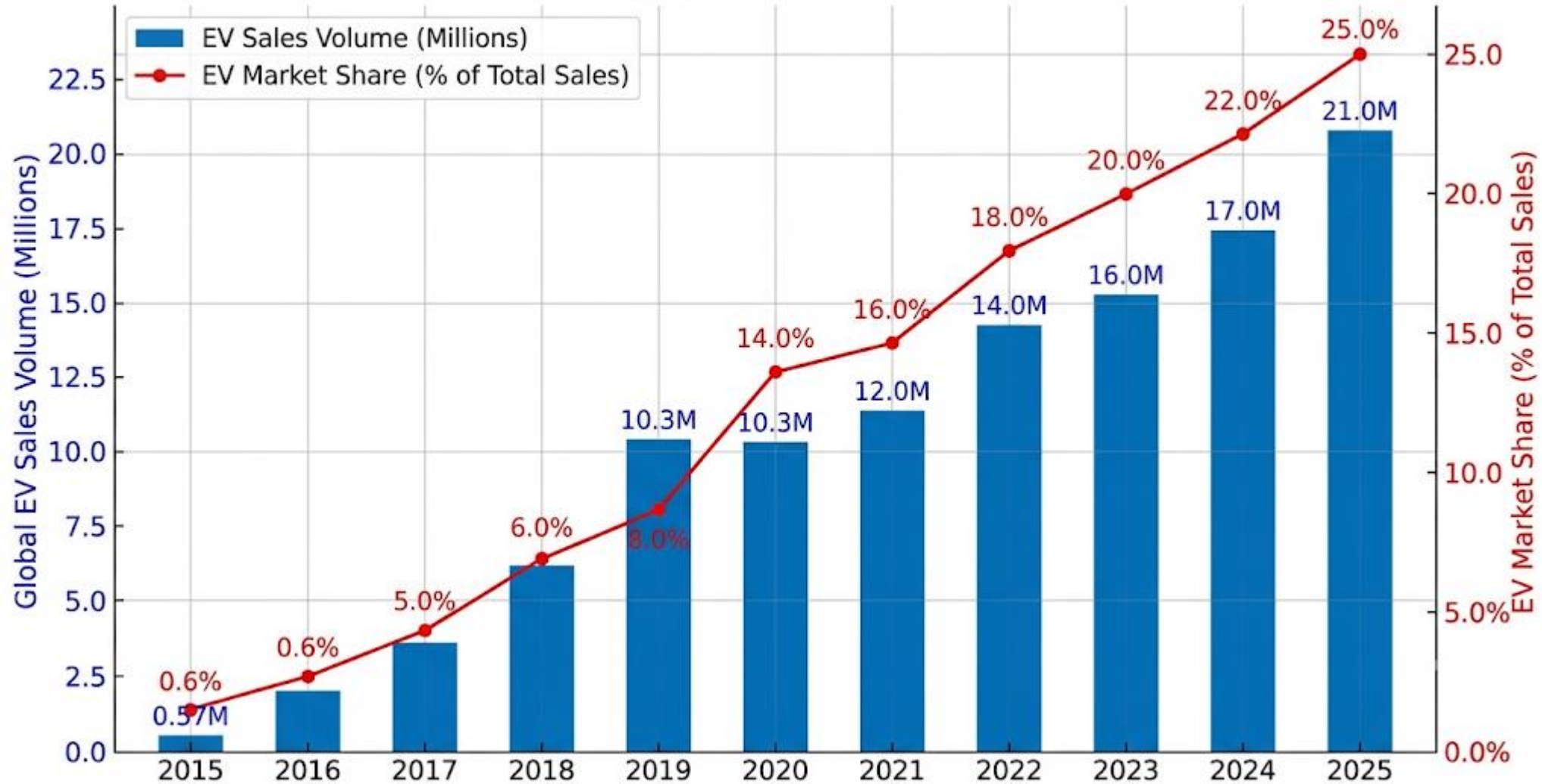
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Global Electric Vehicle (EV) Penetration & Annual Sales Volume



THE OLD WELL (FOSSIL FUEL ISOLATION)

UNABLE TO SEE
THE GLOBAL SKY

RELIANCE ON
OUTDATED,
EXPENSIVE OIL

**SRI LANKA MUST STEP OUT, EMBRACE THE FUTURE, AND LEAD
IN SUSTAINABLE TRANSPORT. IT CANNOT SURVIVE IN ISOLATION.**

THE GLOBAL PATHWAY (EV EMBRACE & NDC COMMITMENTS)

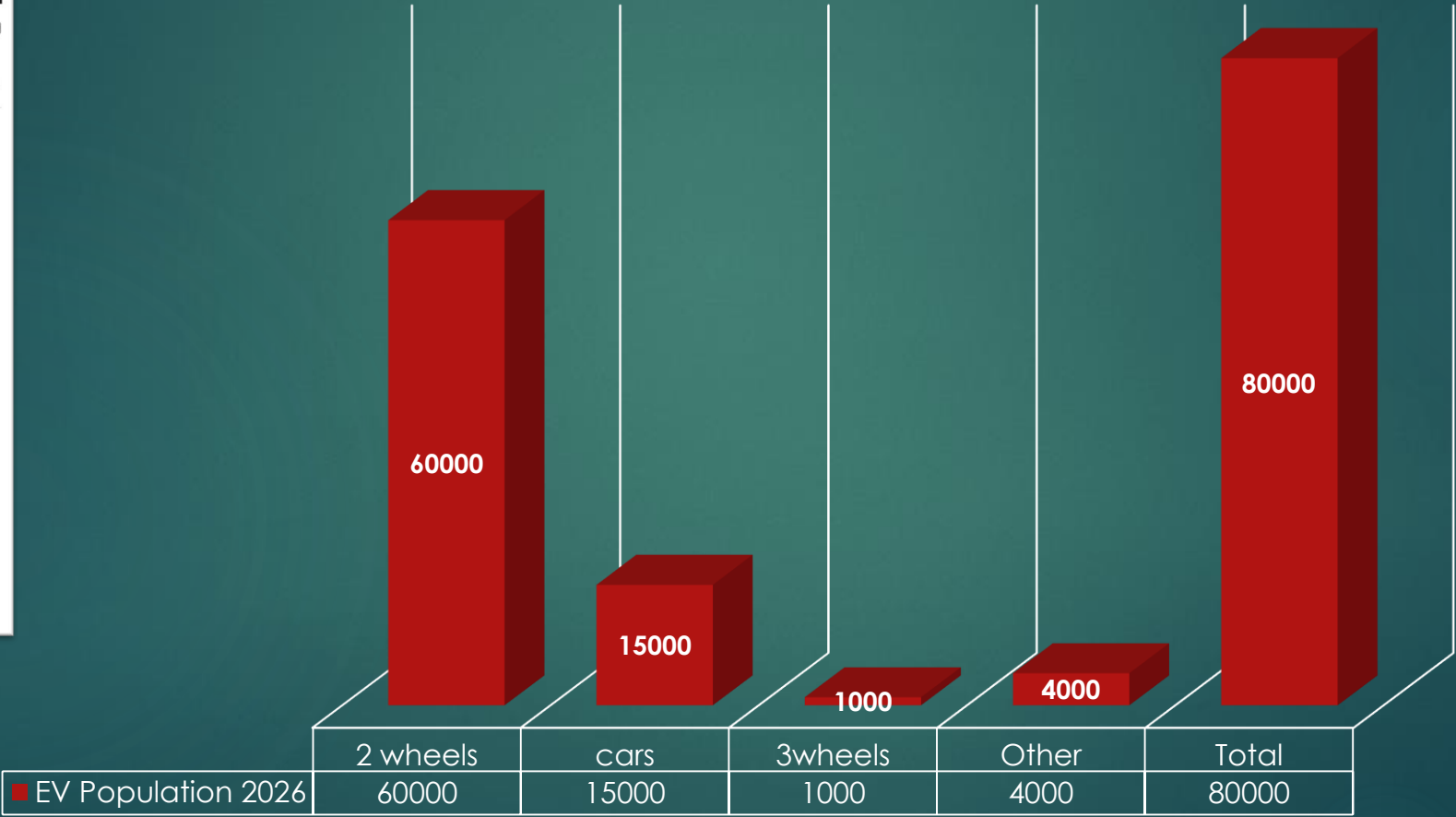
WORLD TREND: ELECTRIC MOBILITY

SRI LANKA NDC COMMITMENTS:
NATIONALLY DETERMINED CONTRIBUTIONS
FOR CARBON NEUTRALITY

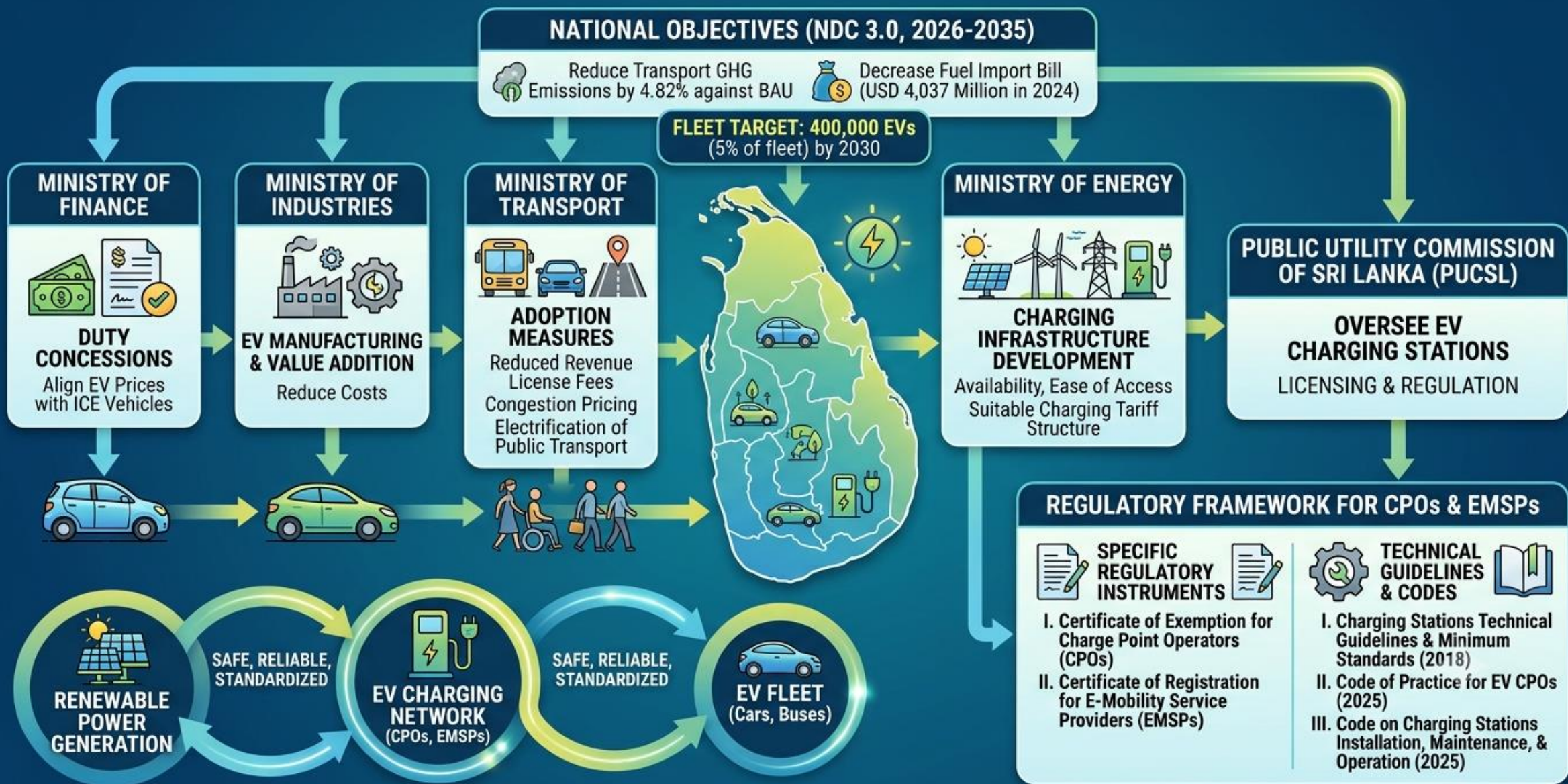


Current situation - Sri Lanka

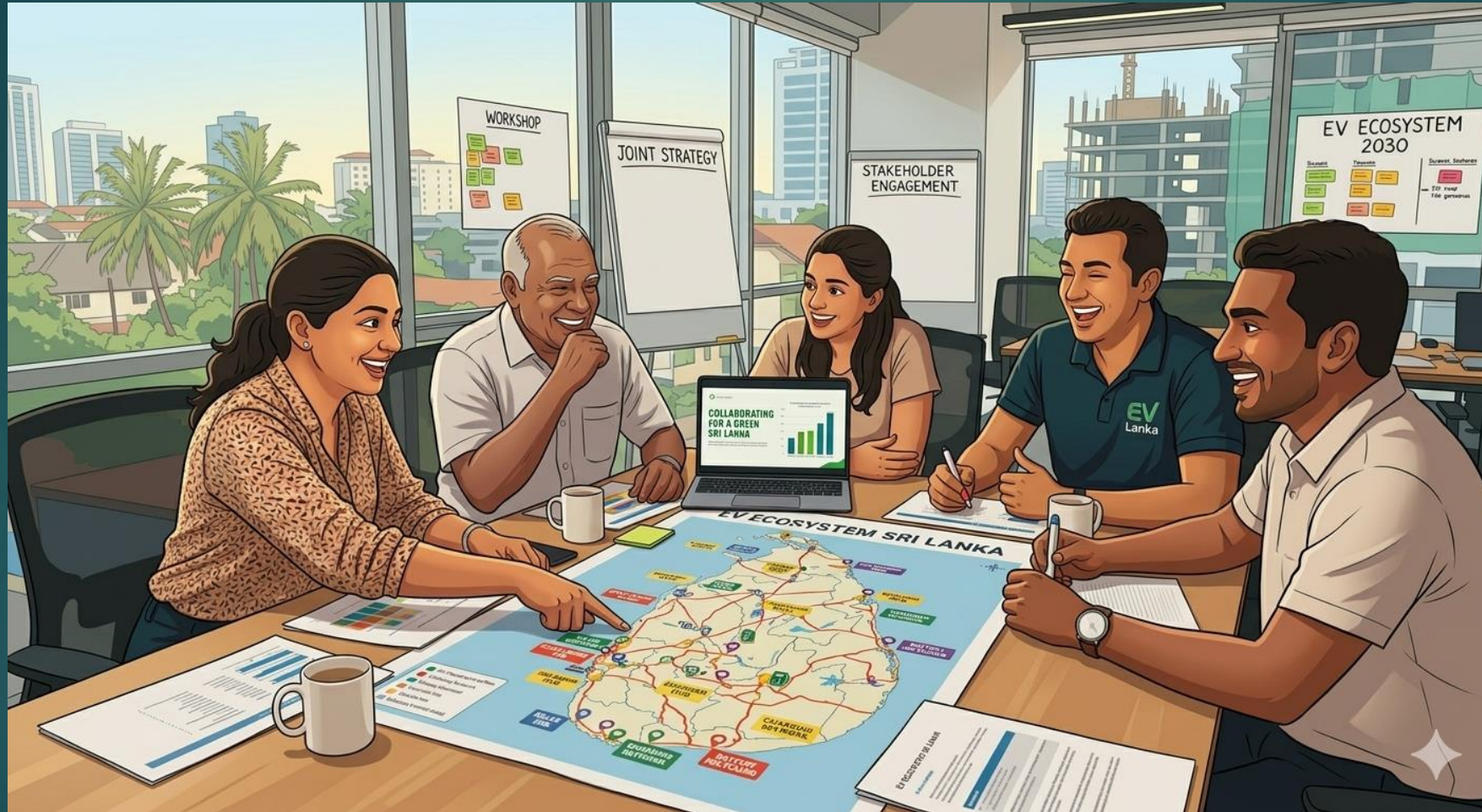
EV POPULATION 2026



SRI LANKA ELECTRIC VEHICLE PROMOTION POLICY IMPLEMENTATION FRAMEWORK



Planning Together for a better future



Energy Saving

- ✓ Average electric car travels 6 Km per 1 kWh of Electric energy.
- ✓ Diesel Combine cycle Electricity generator produce around 5kWh per liter
- ✓ 30km Vs 10km
- ✓ Around 60% of the imported liquid fuel imported at the approximate cost of USD 4 Billion (20% of total import bill) is consumed by transport sector.
- ✓ Imagine EV charging during solar excess times.

Facilitating EV Users

- ✓ Adequate availability of EVCS along the roads
- ✓ Ease of Accessing EVCS
- ✓ Ease of making payments at EVCS
- ✓ Lower charging tariffs at EVCS
- ✓ Improved customer care

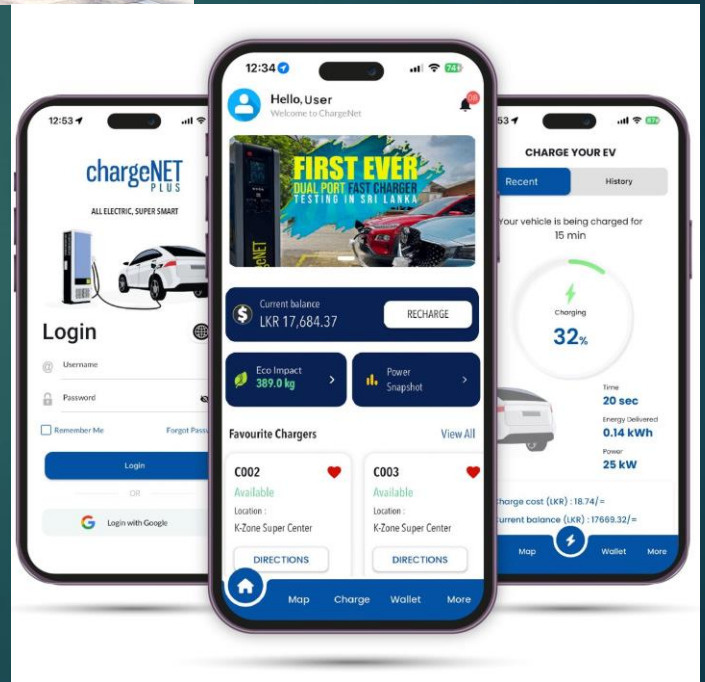
Facilitating Charging Point Operator



- ✓ Quick grid connectivity at required location
- ✓ Ensuring availability of grid capacity
- ✓ Lower costs for grid connectivity
- ✓ Lower energy cost for CPO

Managing impact on Grid

- ✓ Time Of Use tariff to encourage Solar excess and off-peak usage
- ✓ Smart metering for EV charging to facilitate TOU tariff and EVSE load management
- ✓ Facilitating future technologies



A detailed architectural rendering of a sustainable urban environment. In the center is a large, modern building with a glass facade and a flat roof covered in solar panels. The text "Thank You" is superimposed over the building. In front of the building is a paved plaza with several small, white, solar-powered charging stations for electric vehicles. A variety of vehicles, including buses, cars, and small electric carts, are shown. The background features a city skyline with tall buildings, a body of water, and several wind turbines. The sky is blue with a few clouds. The overall scene is bright and sunny, suggesting a clear day.

Thank You