



IEA Demand Side Data Workshop for Southeast Asia

(Transport Sector)

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Need for Authenticated Energy Data



- Need- Government publication, which provides detailed energy sector supply or consumption data for the country and its analysis.
- Reliable and comprehensive energy sector data needed to track country's outcome of energy sector policies and progress on energy transition goals.
- To enable focused actions towards India's **Updated NDC** as under :
 - ❑ India will meet 50% its cumulative power installed capacity with non- fossil sources by 2030.
 - ❑ Reduce Emissions Intensity of its GDP by 45 percent by 2030, from 2005 level.
 - ❑ By 2070, India will achieve net zero emissions.
- **Energy Data Management Unit (EDMU) was established by the Bureau of Energy Efficiency in the year 2022.**



Steering Committee - National Energy Data Report



Secretary, Ministry of Power (Chair)

Director General, BEE (Convener)

Adviser, NITI Aayog

Representative from Ministry of Coal

Representative from Ministry of New and Renewable Energy (MNRE)

Representative from Ministry of Ports, Shipping and Waterways (MoPSW)

Representative from Ministry of Road Transport and Highways (MoRTH)

Representative from Ministry of Petroleum & Natural Gas (MoPNG)

Representative from Ministry of Environment Forest and Climate Change (MoEF&CC)

Representative from Ministry of Power

Representative from Central Electricity Authority (CEA)

Representative from Ministry of Civil Aviation

Representative from Department of Commerce

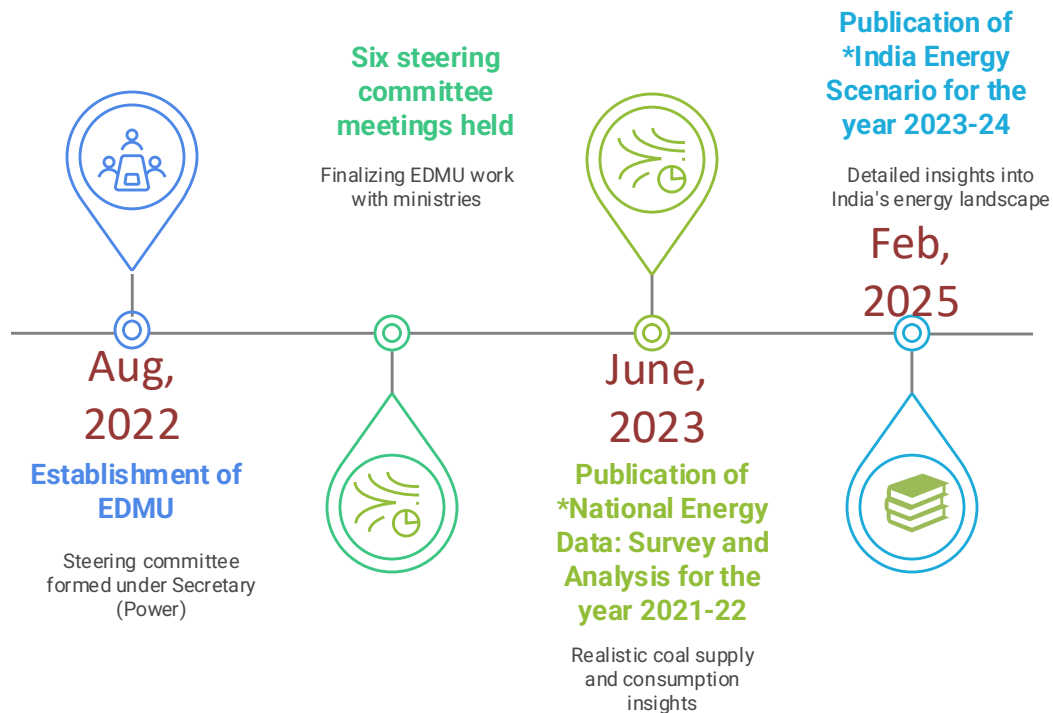
Representative from Ministry of Statistics and Programme Implementation (MoSPI)

Representative from Ministry of Housing and Urban Affairs (MoHUA)

Representative from DPIIT, Ministry of Commerce and Industry



EDMU's Journey: Key Milestones and Publications

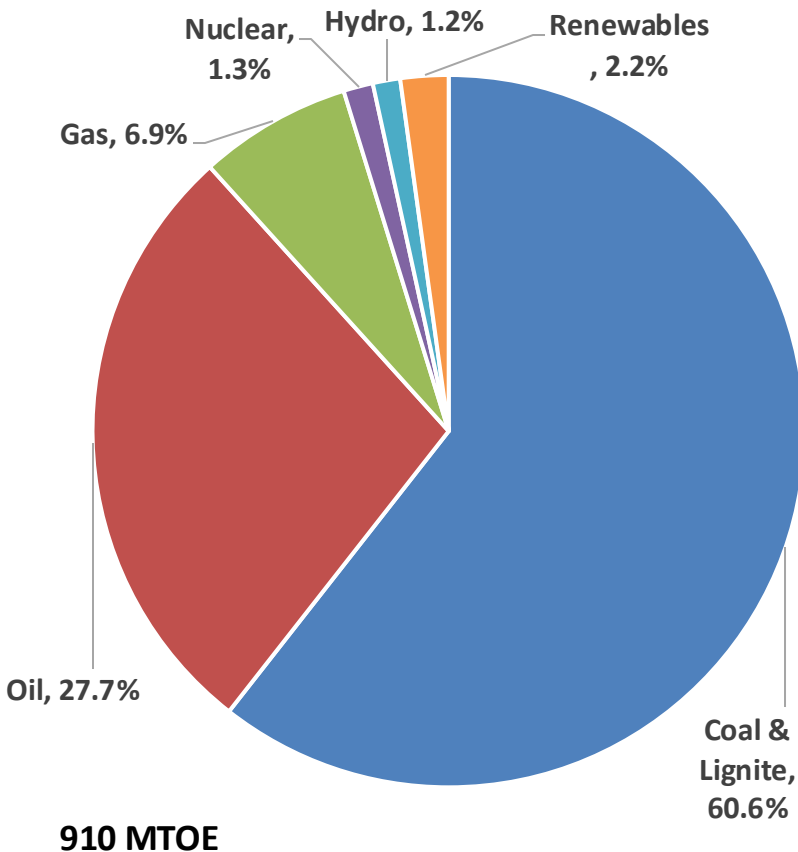




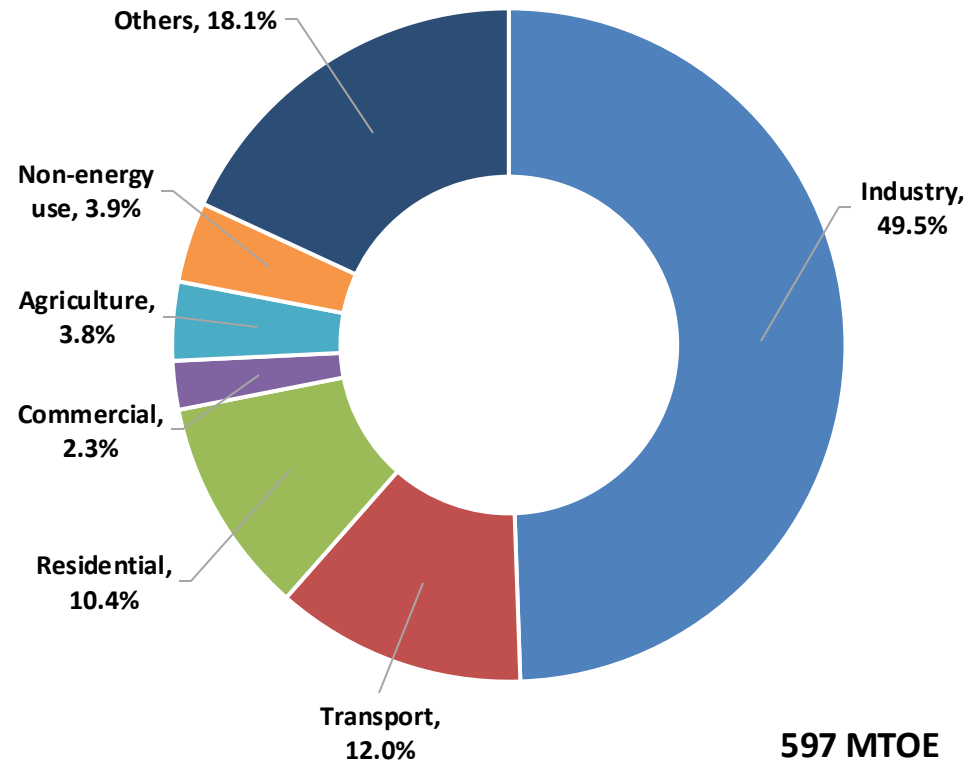
Energy Balance Highlights for the year 2023-24



Primary Energy Supply Mix for year 2023-24 (Supply Side)

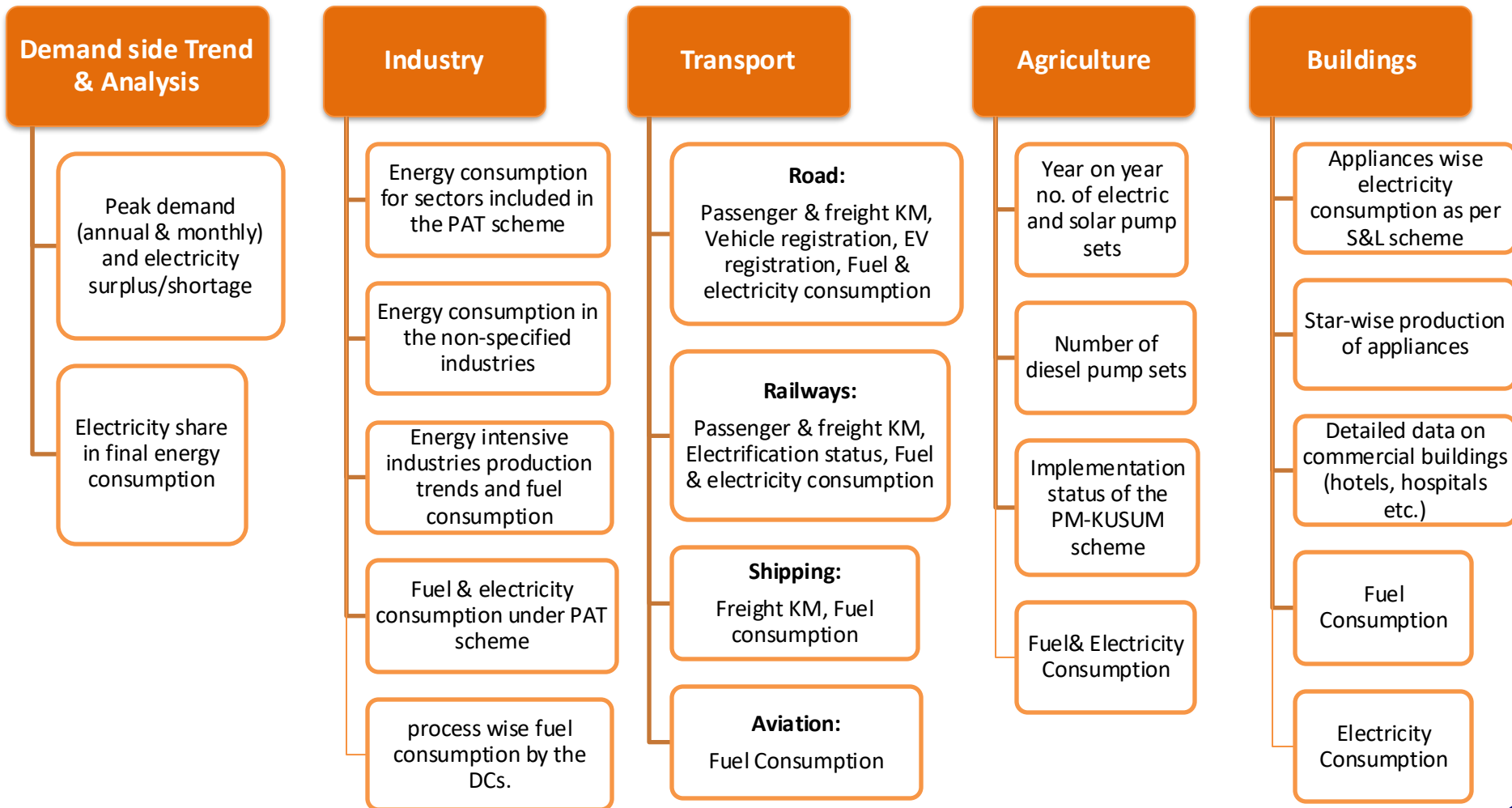


Sector wise Energy Consumption for year 2023-24 (Demand Side)



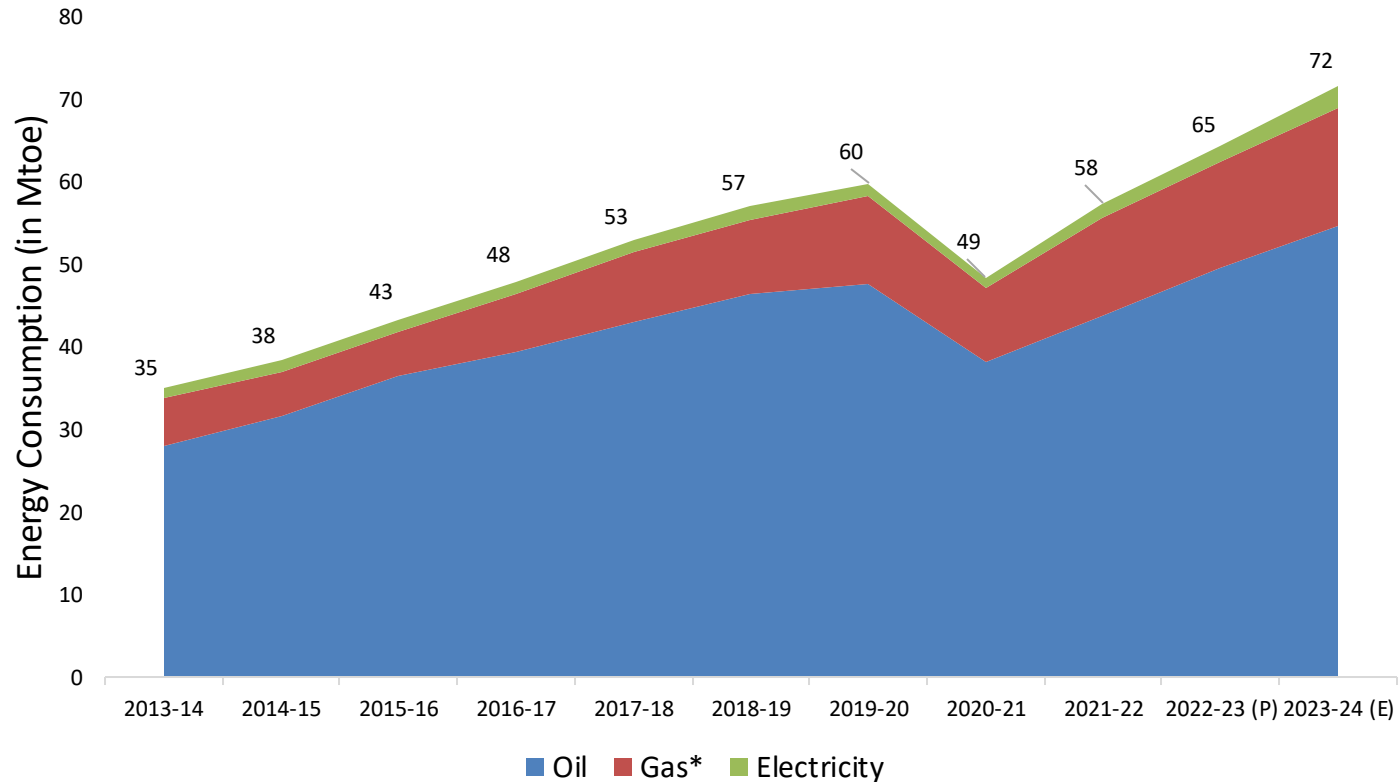


Cross-sector Demand Side Analysis



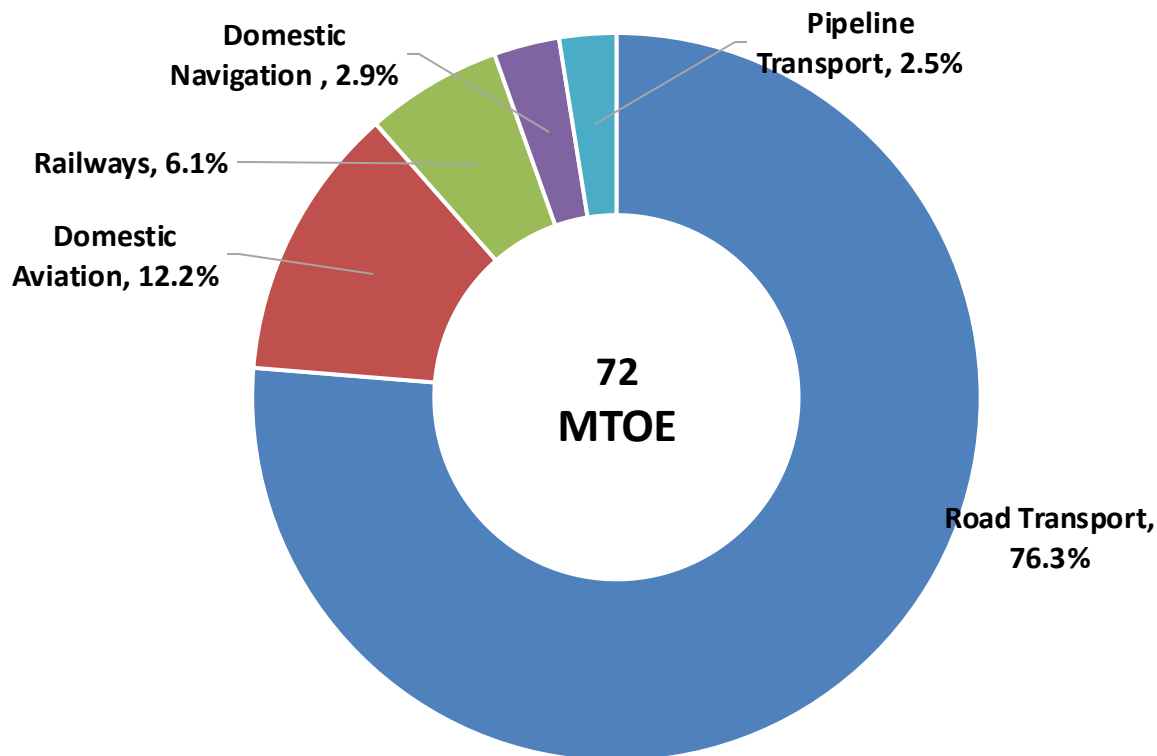


Energy Consumption in the Transport sector



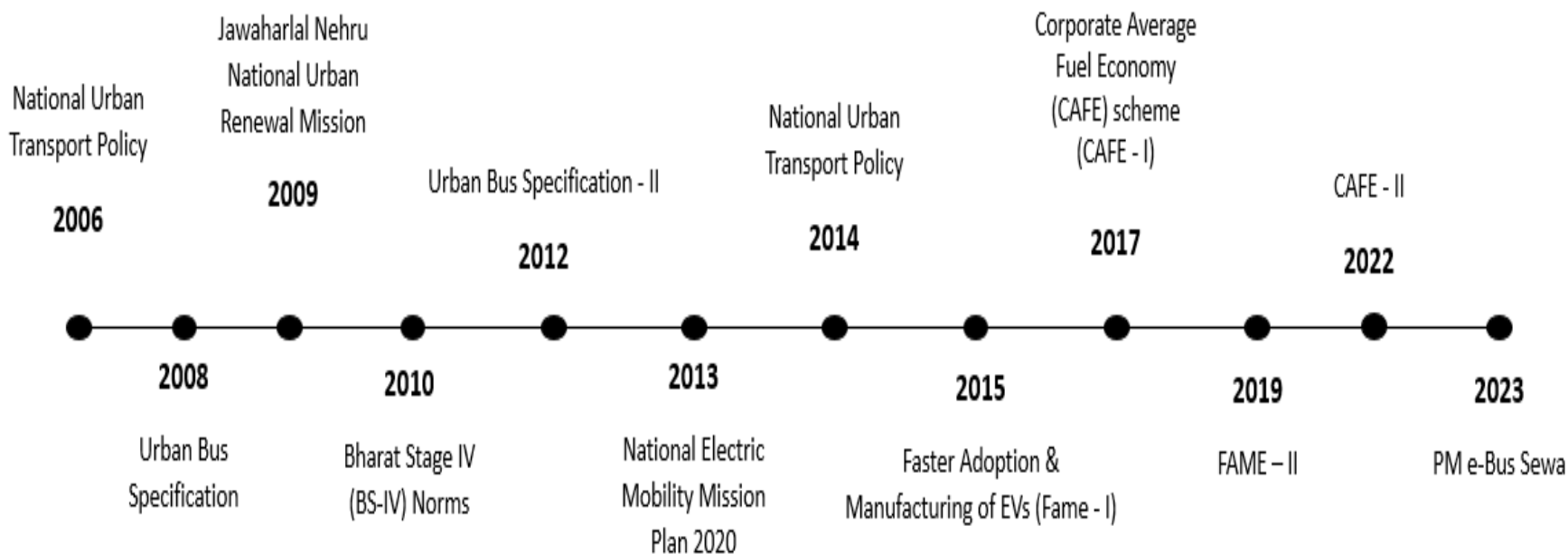


Sector-wise Energy Consumption in Transport Sector for 2023-24





Key Road Transport Policies in India





Insights of Demand-side data for Transport sector



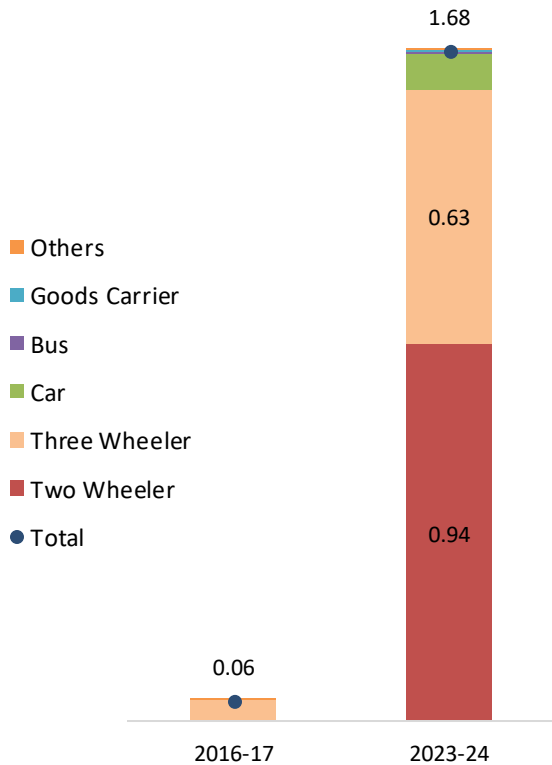
- Highest Surge in energy consumption from 35 Mtoe in FY14 to 72 Mtoe in FY24
- Road transport accounting 76% in total transport sector's energy consumption in FY23
- Petrol consumption has risen from 23.64 MT in 2016-17 to 37.11 MT in FY24, at a CAGR of 7%
- EV registration has risen from 0.3% in FY17 to 7% in FY24 of total vehicle registered
- As of 1st April'24 96% of Broad Gauge network electrified with 63,456 route KMs out of the total
- Electricity consumption for FY24 stands at 33 TWh as compared to 16 TWh in FY17



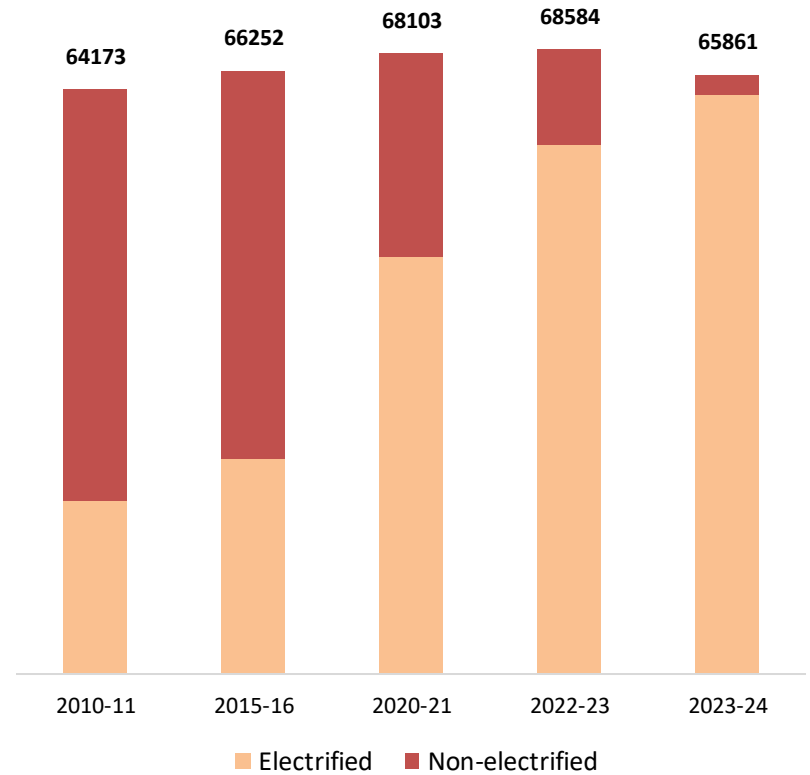
Increase in Adoption of EVs and Electrification improvement



EV registrations (in Millions)

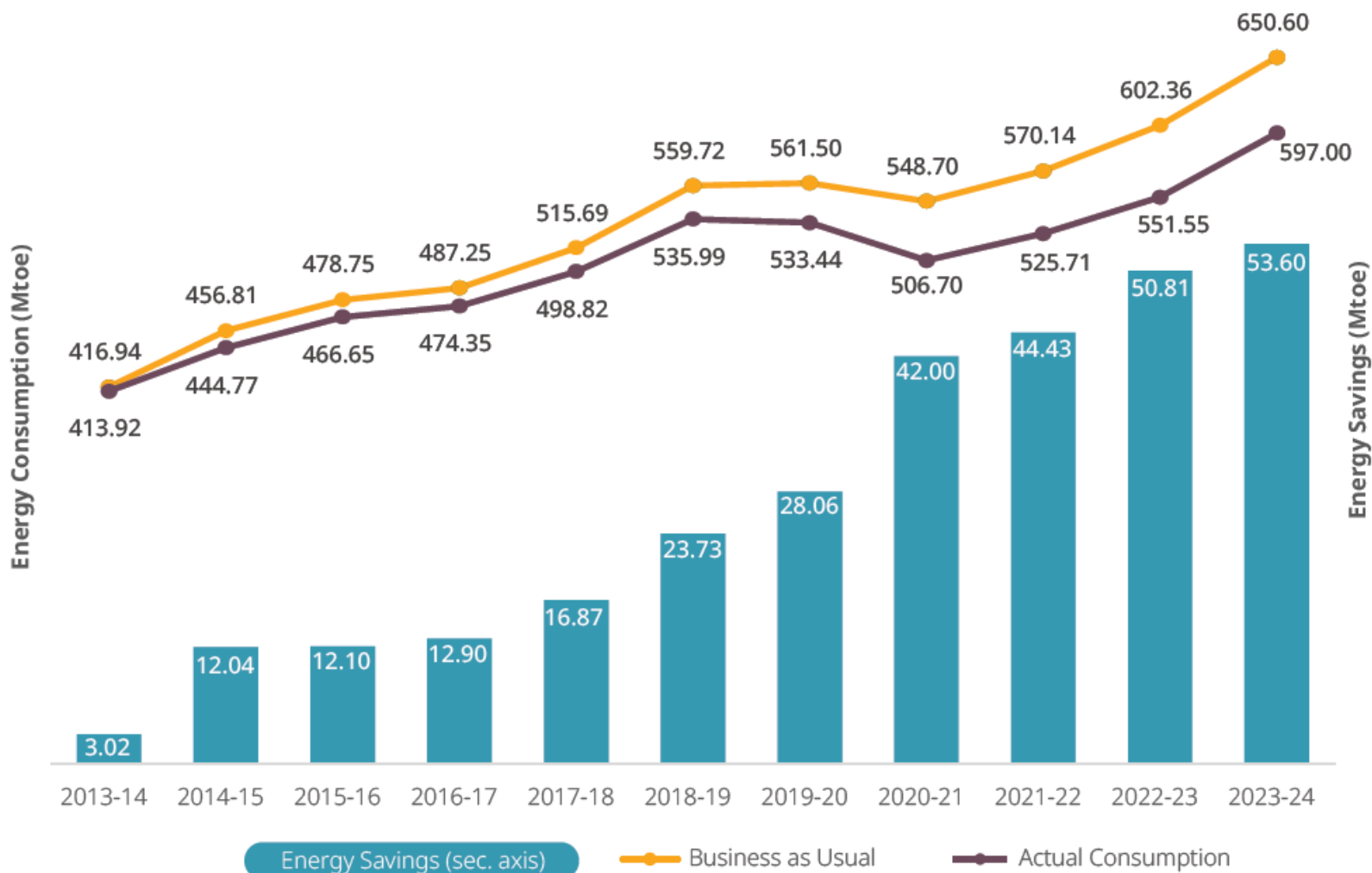


Electrification of Railway's BG Network Route (in kms)





Impact of various Energy Efficiency measures (for the year 2023-24)





Thank you