ENERGY EFFICIENCY IN ASIA’S TRANSPORT SECTOR
IS THE GLASS HALF-FULL?

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ASIAN TRANSPORT OUTLOOK

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Session 2.4: Energy Efficiency in Transport and Cities

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Support the planning and delivery of Transport related assistance by the ADB & AIIB

Tracking Global Agreements on Sustainable Development and Climate Change, Regional Aichi 2030 Declaration

Support Transport Policy Making in Asia

Brainstorming 2019 – 2020

Phase 1
November 2020 – May 2021

Interim Phase
June 2021 – October 2021

Phase 2
November 2021 – November 2022

Phase 3
March 2023 – November 2024

Phase 4 +
Asia, as a region, is achieving lower energy intensities at lower GDP/capita as opposed to most of the regions.
Such an improvement is being observed across the region, as seen in the overall distribution of countries within the transport energy efficiency distribution curves throughout time.

Source: Based on UN Energy Statistics Database
Energy Intensity Improvement in By Sector in Asia-Pacific

The improvements in the transport sector has been outpacing the other sectors in Asia.

Source: Based on UN Energy Statistics Database
Developing Asia is not taking the same motorization paths as other developed regions.

Source: Mejia, Gota, Fabian (2022)
Asia has been developing tremendously in terms rapid urban transit, but we are still significantly behind if we take compare with other regions (on a per capita basis).
Asia is a key battleground for e-mobility. Between 2015 and 2023, 60% of the additional e-cars, and 90% of the additional e-buses were in Asia.
We cannot simply electrify congestion.
Policy landscape is rapidly evolving fast towards adopting more relevant targets and measures.
WIDER CONTEXT – OTHER GOALS

Share of population with convenient access to public transport, 2023

Asia-Pacific (3,133 cities)

Europe and Northern America (1,176 cities)
Asia and the Pacific’s transport sector - as a whole - is achieving lower energy intensity levels.

Improvements are being observed across the region.

Various factors may be playing a role in defining the level of overall energy efficiency in the transport sector in Asia.

We need to be cognizant of the various interlinked challenges that also need to be addressed.
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