Earth Day 2025 | Our Power, Our Planet

Exploring the renewable energy revolution in transportation and its impact on creating a sustainable future.



Accelerating the Transition to Renewable Energy in Mobility

As we stand at this critical juncture in history, our collective choices about energy and transportation will shape the world for generations to come. How might we each contribute to this transformation in our daily lives?



Road Emissions

Of global transportation emissions come from road transit

8B

Population

People depending on transportation systems worldwide



Global Share

Of energy-related CO₂ emissions from transportation

Modern civilization relies heavily on transportation. Yet it remains fossil-fuel dependent. Decarbonization presents a massive challenge amid population growth.



The Electric Vehicle Revolution

Climate Impact

Significantly lower lifetime emissions

Energy Efficiency

60% energy efficiency vs. 20% in combustion engines

Global Adoption

China, Europe, and US leading sales growth

Electric vehicles are spearheading transport decarbonization. Their climate benefit increases when powered by renewable electricity.

Renewable Energy Integration



Renewable energy integration is crucial. Electric transportation increases electricity demand. Vehicle-to-grid systems enable energy storage and grid support.

Charging Infrastructure Breakthrough

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Expanding Network

Public charging stations growing exponentially worldwide

Ultra-Fast Charging

350kW+ chargers enabling 10-minute recharges

Bidirectional Power

EVs now supply energy back to the grid

Economic Benefits

Owners can offset costs through energy markets

Charging infrastructure is expanding rapidly. Ultra-fast and bidirectional chargers are making EV ownership more convenient and economical.



Global Renewable Energy Outlook



Renewable energy capacity will nearly double by 2030. Solar PV will grow from 5% to 17% of generation. We must accelerate this transition rapidly.

The Path Forward



The IPCC emphasizes systemic infrastructure changes. We need a comprehensive approach combining behavioral, technological, and infrastructural solutions.

Our Collective Power



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Invest Sustainably

Support companies committed to renewable energy and sustainable transportation solutions.

Advocate for Change

Demand renewable energy infrastructure in your community and workplace.

Join Collective Action

Partner with organizations working on transportation decarbonization.

Make Sustainable Choices

Choose electric vehicles and renewable energy for your transportation needs.

Individual actions create collective impact. Together, we can accelerate the renewable energy transition in mobility.

