OVERVIEW:

EFFICIENT TRANSPORTATION: AN ACTION PLAN FOR ENERGY AND EMISSIONS INNOVATION

The Efficient Transportation Action Plan builds on the U.S. National Blueprint for Transportation Decarbonization by identifying specific actions that all levels of government and the private sector can take to reduce the energy intensity of the transportation system. Increasing efficiency can reduce costs for consumers and increase flexibility and options for freight shippers.

Read more
bit.ly/transportation-decarb-efficient

EFFICIENT | INCREASE OPTIONS TO TRAVEL MORE EFFICIENTLY

Public Transportation

- Increased funding
- Expanded and improved service
- First-mile/last-mile connections

Efficient Freight Transportation

- Investments in rail and marine transport
- Intermodal freight facilities
- Emissions impacts of shipping options

Operational Improvement

- Usage of data and technology to optimize operations
- Reduction of idling

Vehicle Efficiency

- Improvement of vehicle and infrastructure parts, materials, and performance
- Fuel economy and GHG emissions standards
- Incentives to reduce vehicle size

Intercity Passenger Rail

- Increased funding
- Expanded and improved service

KEY ACTIONS

Provide more options to use highly efficient modes of transportation such as public transportation, rail, and maritime.

Improve the energy efficiency of all types of vehicles (planes, trains, automobiles, and ships).

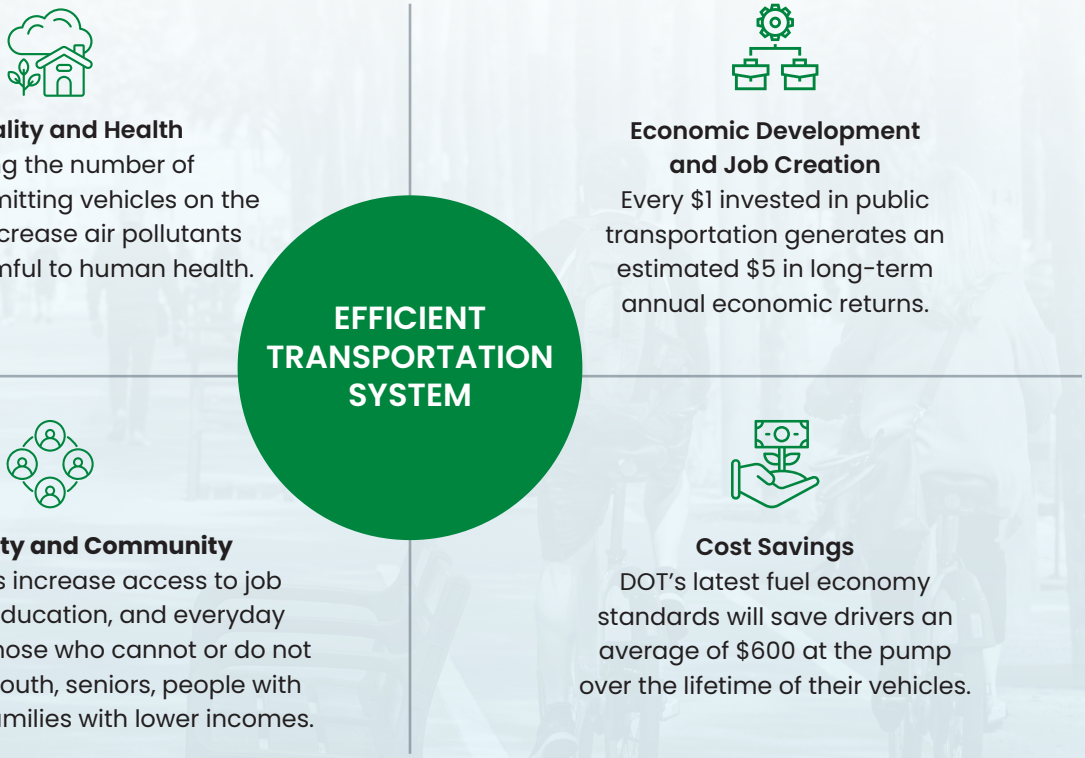
Enhance **system operations** through technology, intelligent transportation systems, and freight optimization.

The Efficient Plan also highlights opportunities for research and development of innovative mobility-system-level approaches to improve the transportation system:

- Research opportunities, including improving the efficiency and effectiveness of transit systems
- Strategies to encourage passenger and intermodal freight travel on efficient and sustainable travel modes; changes in travel behavior as a result of remote work or other external factors (e.g., future pandemics)
- Opportunities to improve efficiency through vehicle-to-everything (vehicle-to-vehicle, vehicle-to-infrastructure, etc.) connectivity
- Increasing the efficiency of automated vehicles by optimizing automated driving and improving computational efficiency; additional intelligent transportation systems (ITS) technologies that can support a more efficient transportation system.

Innovative transportation technologies can result in multiple benefits, including:

- Increased options for consumers and business
- Household cost savings by reducing transportation costs (e.g., frequency of maintenance, fuel, and parking costs)
- Supporting local economies and job creation
- Increased accessibility and community connectivity
- Emissions reductions for clean air.



The Efficiency Action Plan is part of a set of action plans that implement the U.S. National Blueprint for Transportation Decarbonization to realize a clean, safe, accessible, and affordable transportation system. Scan the QR code to learn about the other action plans.

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DOE/EE-2941 • December 2024