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Setting the Stage: Sustainable Transportation for Pollution and Emissions Reduction

JPAC Forum on Horizon 2030 Initiative, 4-5 December 2024



Why is a regional approach to sustainable transportation important?

- Significant environmental impact - 2nd largest source of GHG emissions worldwide (16% in 2023).
- National shares even higher in NA: US 33%, MEX 34%, CAN 22%
- A regional approach **tackles shared challenges like** air pollution and climate change that cross borders
- Promotes consistent policies, **maximizes resources**, and **scales successful national efforts**.
- Positive impact on trade efficiency and **accelerates the transition to sustainable economic systems** for the region.

The initiative aims to develop regional strategies to decarbonize transportation, support national efforts, and lower GHG emissions within the next five years.



Key 2030 goals for the transportation sector

U.S. (National Blueprint for Transportation Decarbonization):

- Goal: Cutting all transport GHG emissions by 2050.
- How: Improve community design and land-use planning, make travel more efficient promote clean fuels.

Canada (Transportation 2030):

- Goal: Reduce emissions and pollution from transportation.
- How: Make zero-emission vehicles more affordable, reduce emissions in aviation and freight, invest in clean energy.

Mexico (National Strategy for Mobility and Road Safety):

- Goal: Decarbonize transportation, focusing on public transport and active mobility.
- How: Improve connectivity in goods transfer systems, interconnected solutions, and energy decarbonization.



CEC's work to advance sustainable transportation

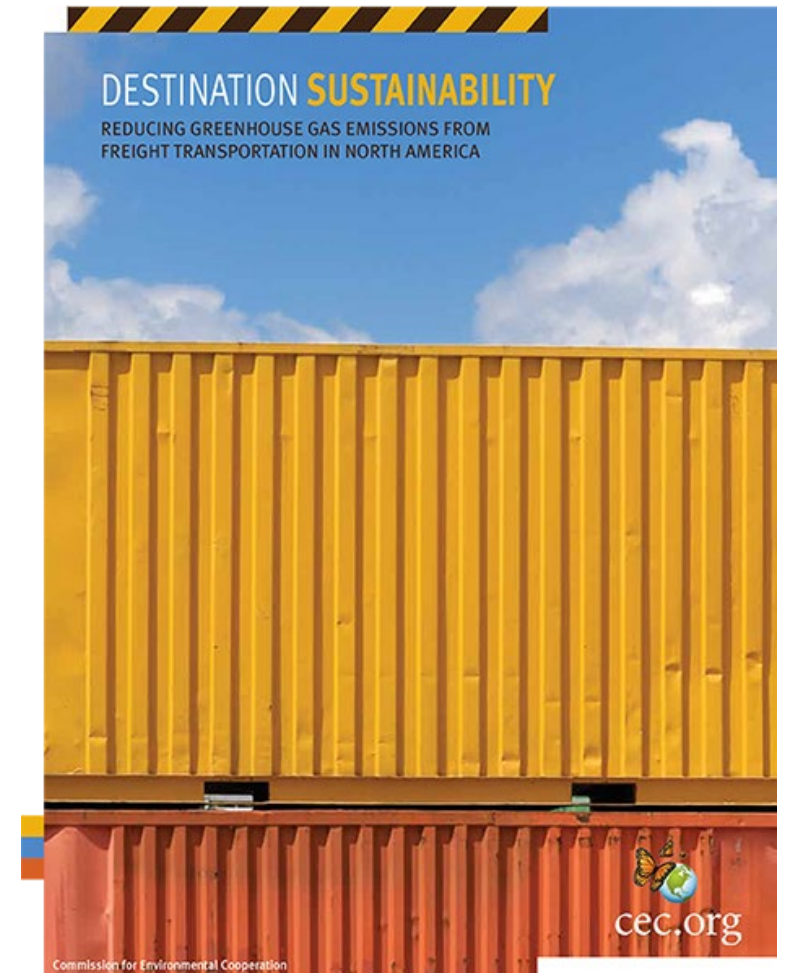
Publications and studies

Greening North American Transportation Corridors (studies) (2001-2010)

Studies to identify the current and future air quality impacts that occur as a result of North American trade and transportation corridors.

Destination Sustainability: Reducing Greenhouse Gas Emissions from Freight Transportation in North America (2011)

Report aimed to describe needs to enhance sustainability in freight transportation.



CEC's work to advance sustainable transportation

Projects – Land Transportation

Greening Transportation at North American Land Ports of Entry (2013-2014)

Focused on reducing vehicle emissions from traffic congestion at border crossings.

Increasing Sustainability in the Transport Manufacturing Sector (2013-2015)

Established new partnerships and frameworks in the truck and bus manufacturing supply chain, promoting environmental performance in areas like waste management, water use, and energy efficiency.



CEC's work to advance sustainable transportation

Projects – Maritime Transportation

Reducing Emissions from Goods Movement via Maritime Transportation in North America (2013-2014) & Phase II (2016)

Worked to establish a common North American approach to Emission Control Areas (ECAs), promoting emission control technologies and best practices for reducing pollutants.

Enhancing North American Enforcement of the IMO Maritime Fuel Sulfur Limits (2015-2016)

Aimed to strengthen enforcement of IMO sulfur emission regulations to reduce maritime air pollution.

Maritime Transport: Reducing its Environmental Impact (2017-2018)

Focused on improving the environmental performance and competitiveness of the maritime transport sector.



Looking ahead: Key questions

- How can we collaborate to advance cleaner, more sustainable transportation modalities and mobility strategies across North America?
- Where, and by what transportation sources, are pollution and emissions level concentrated and how can we address and reduce those that arise along land routes or in water bodies?
- How can we transition to more sustainable transportation approaches while ensuring the effective flow of trade and economic prosperity that derives from the movement of goods and services?
- How can we effectively transition to transportation and mobility modes that are inclusive of and beneficial to vulnerable, disadvantaged, and/or underserved communities and communities across North America and which positively impact the health of all?



Three countries. One environment.
Tres países. Un medio ambiente.
Trois pays. Un environnement.



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