



NEAR PORT COMMUNITIES



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UTAH NEAR PORT COMMUNITIES





95%

Today's transportation system relies on petroleum fuels for more than 95% of its energy use.



POLLUTION

Reducing pollutants from diesel engines is a significant concern for ports and near-port communities.



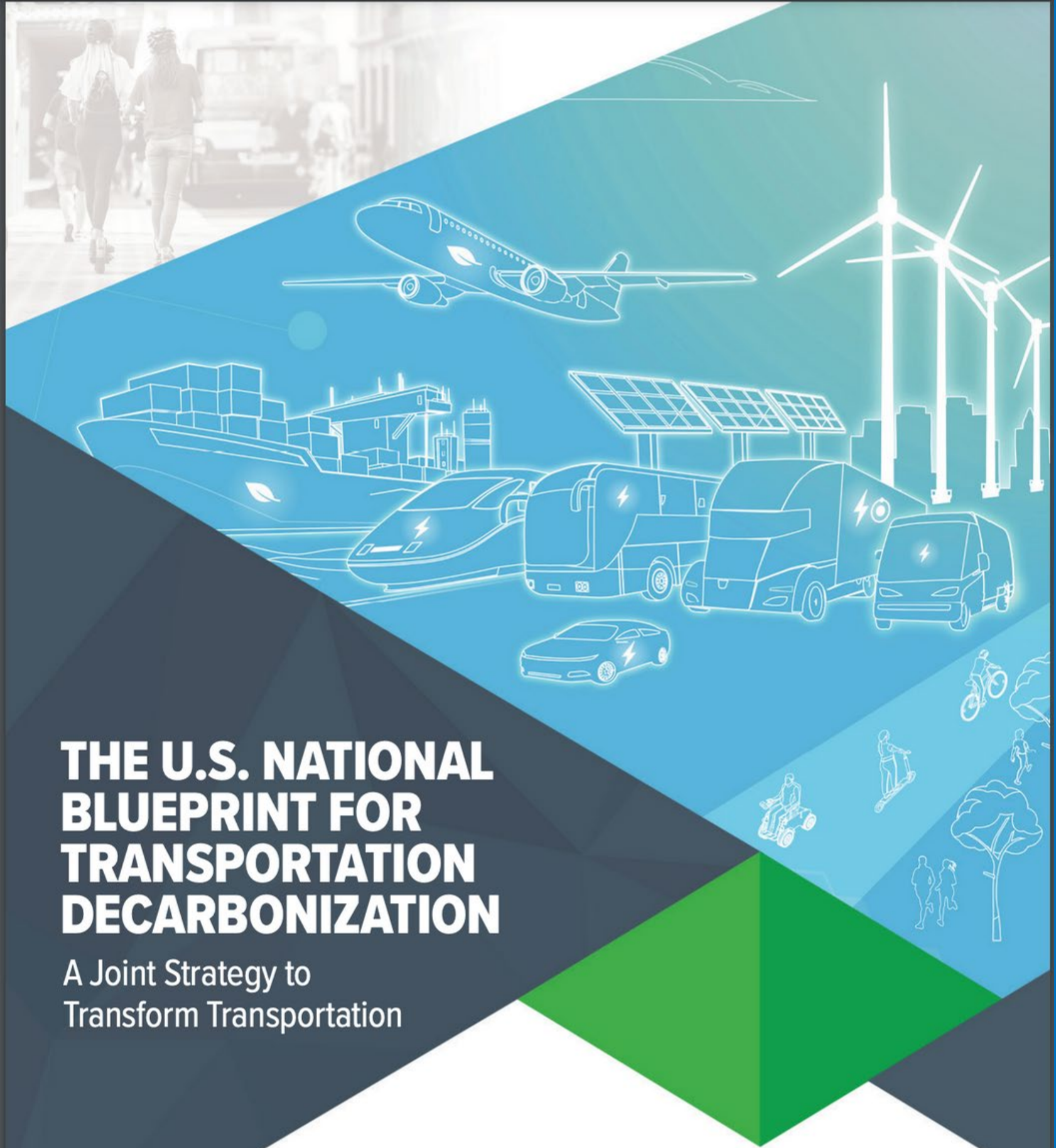
WORKFORCE

Majority of Transportation Well-to-Wheel directly & indirect involves exposure to harmful emissions



SOCIETAL IMPACT

Priorities for Justice40 commit that 40% of the overall Federal investments benefit communities overburdened by pollution






THE U.S. NATIONAL BLUEPRINT FOR TRANSPORTATION DECARBONIZATION










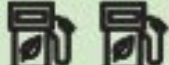







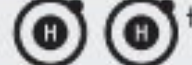





A Joint Strategy to
Transform Transportation



"We envision a future mobility system that is clean, safe, secure, accessible, affordable, and equitable, and provides decarbonized transportation options for people and goods."



1 icon represents limited long-term opportunity 
 2 icons represents large long-term opportunity 
 3 icons represents greatest long-term opportunity 

	 BATTERY/ELECTRIC	 HYDROGEN	 SUSTAINABLE LIQUID FUELS
Light Duty Vehicles (49%)*		—	TBD
Medium, Short-Haul Heavy Trucks & Buses (~14%)			
Long-Haul Heavy Trucks (~7%)			
Off-road (10%)			
Rail (2%)			
Maritime (3%)			
Aviation (11%)			
Pipelines (4%)		TBD	TBD
Additional Opportunities	<ul style="list-style-type: none"> • Stationary battery use • Grid support (managed EV charging) 	<ul style="list-style-type: none"> • Heavy industries • Grid support • Feedstock for chemicals and fuels 	<ul style="list-style-type: none"> • Decarbonize plastics/chemicals • Bio-products
RD&D Priorities	<ul style="list-style-type: none"> • National battery strategy • Charging infrastructure • Grid integration • Battery recycling 	<ul style="list-style-type: none"> • Electrolyzer costs • Fuel cell durability and cost • Clean hydrogen infrastructure 	<ul style="list-style-type: none"> • Multiple cost-effective drop-in sustainable fuels • Reduce ethanol carbon intensity • Bioenergy scale-up

* All emissions shares are for 2019

† Includes hydrogen for ammonia and methanol



Clean energy is a critical job creator in every state – employing 1 in every 50 American workers