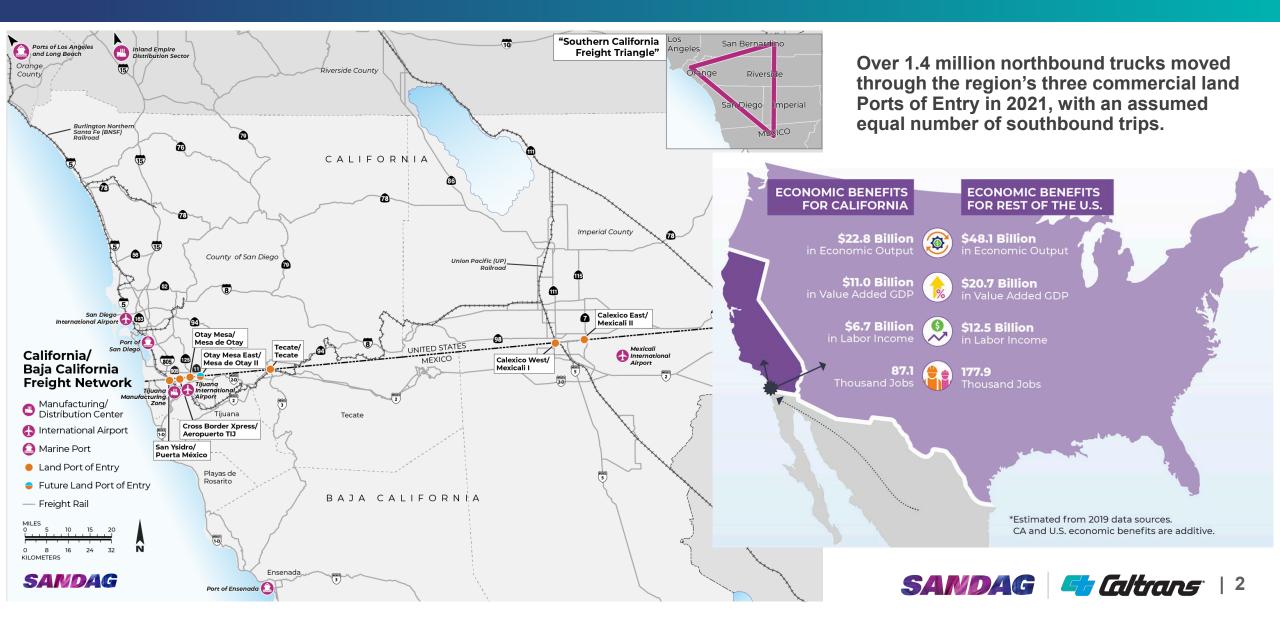
Tab 25



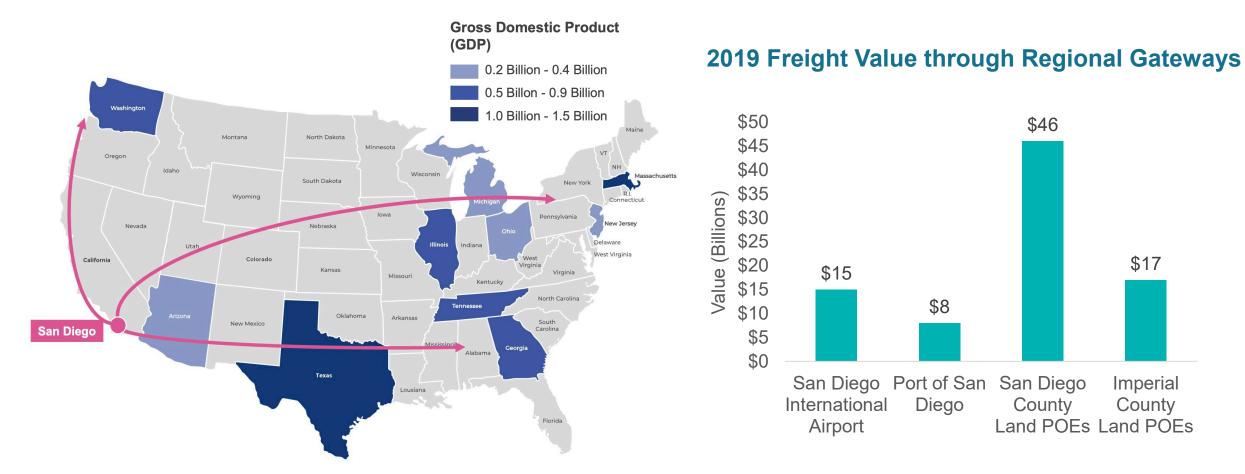
Zero Emission Freight Transition at the CA-BC Border

California Transportation Commission May 17-18, 2023

Border Region Freight Flows: The Core of California's Freight Economy



Border Region Freight Flows: The Core of California's Freight Economy



Source: OME Economic Value of Cross Border Freight Study - SANDAG October 2022

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Border Region Policy and Industry Challenges

- New regulations forcing carriers to rethink their entire supply chains.
 - Timing of routes, number and type of drivers, locations of routes and stops, cost of operating, vehicle purchasing and maintenance, training, and safety
- Companies face unknowns with new zero-emission vehicles, citing overall cost of driving as main concern





Benefits of Zero Emission Freight

San Diego International Border Community

- Designated through AB 617 and CARB Community Air Protection Program
- Highest traffic percentile in state and PM2.5 levels in 95+ percentile (CalEnviroScreen)
- 27,000+ San Ysidro residents have Population Burdens
 - 86+ percentile for poverty
 - 79+ percentile for unemployment
 - 89+ percentile for education
 - 85+ for linguistic isolation
- Poverty levels and limited income hinders ability to protect against pollution exposure and environmental impacts





Challenges

Four areas of policy challenges identified

- Inconsistency in California and Mexico Industry and Air Quality Regulations
- Range, Weight, and Cost Limitations of Battery Electric Trucks
- Charging and Fueling Infrastructure and Truck Parking
- Messaging and Outreach

Economic implications

- Costs could be significant for medium- & heavy-duty truck operators
- Regulations for 'high priority fleets' in 2024 could represent a penalty in unclear regulatory and infrastructure context
- Higher shipping costs can lead to some decline in marginal economic activity, rise in prices from producer to consumer





Opportunities

- Build infrastructure near, at, and south of border
- Streamline permitting
- Implement pilot projects
- Reduce border wait times
- Use creative tolling
- Focus on hydrogen technology

- Consider overweight corridors
- Explore exemptions, incentives
- Create border appointment system
- Strengthen training and outreach







Thank you.

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