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Today's Agenda

-  Project Goal and Expected Outcomes
-  Project Timeline
-  Existing Plans and Studies
-  Best Practices Overview
Taskforce Discussion
-  Draft Screening Framework Vision Statement
Prioritization Framework
Taskforce Input
-  Next steps

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Purpose and Need

- Region critical to state, national and international economies
- Freight is economic engine but produces greenhouse gas emissions
- State prioritized transition of freight sector to sustainable technologies
- Lessen the disproportionate environmental health burdens on disadvantaged communities and tribal governments
- State and regional plans have highlighted need for sustainable regional freight vision
- Implement actionable multimodal projects and policies



California
Freight
Mobility
Plan 2020
March 2020



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Goal & Expected Outcomes

GOAL: Create a more sustainable supply chain network through regional freight projects and policies that reduce emissions while fostering trade

- Develop partnerships with public and private sectors
- Address environmental justice concerns from freight impacts
- Pilot innovative technologies
- Identify funding opportunities for implementation
- Address workforce gaps in implementing new technologies



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Review of Existing Plans and Studies

- Evaluated 19 regional, state, and federal plans and studies
- Summarized documents and identified important and relevant sections
- Created a map of freight projects in San Diego and Imperial Counties

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Summary of Best Practices

- Identified regional, state, national and international best practices
- Created matrix with strategies
 - Policies and interventions
 - Examples and past experiences



Source: <http://www.citylogistics.info/policies/eu-cities-along-ten-t-network-must-support-zero-emission-city-logistics/>



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Technology Strategies

- Fuel Saving
- Truck Platooning
- Truck Electrification and Alternative Fuels
- Idling Reduction
- Engine Pollution Control



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Fleet Management and Operations Strategies

- Off-Hour Deliveries
- Truck Parking Management
- Urban Consolidation and Mobility Hubs
- Cargo Bikes
- Delivery Lockers
- Delivery Drones and Robots



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Infrastructure Improvement Strategies

- Sustainable Congestion Relief
- Multimodal Connectivity and Efficiencies
- Dedicated Truck Lanes
- Expansion of Truck Parking Facilities
- Intelligent Transportation Systems



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Did we miss anything?

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Sustainability – SANDAG 2021 Regional Plan

Meeting current economic, environmental, and community needs without jeopardizing the ability of future generations to meet their needs

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Sustainability Implementation Steps



Source: Euromonitor International

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Proposed Vision Statement

Implement multimodal freight-related projects and policies that improve sustainability and lessen disproportionate environmental health burdens on disadvantaged communities and tribal governments while supporting the region's economy and its role as a trade gateway.

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Implementation Strategy

Scoring of Benefits

Areas	Criteria	Scoring	Weighting
Environment	Impact on reducing emissions of GHGs	1 - 10	50%
	Impact on reducing emissions of criteria pollutants (PM, NOx, VOC, etc.)	1 - 10	
Equity	Degree to which benefits accrue to disadvantaged communities (AB 805, Top 25%)	1 - 10	25%
	Degree to which benefits accrue to Community Based Organization (CBO) network communities (Top 50%)	1 - 5	
Economy	Improves efficiency (speeds and reliability) of freight transportation system	1 - 10	25%
	Improves capacity of freight system to accommodate expected increases in freight	1 - 10	



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Implementation Strategy

Scoring of Costs and Impediments

Areas	Criteria	Scoring	Weighting
Costs	Approximate implementation costs	1 - 10	40%
Funding	Lack of alignment with existing funding programs	1 - 10	10%
Stakeholder Support	Does implementation require seeking support of many competing stakeholders?	1 - 10	15%
Technological Complexity	Does implementation require testing/development of new technologies?	1 - 10	15%
Planning Continuity	Not considered in local or regional plans or programs	1 - 10	15%



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Implementation Strategy Prioritization Framework

- Once finalized by Freight Stakeholder Taskforce projects will be ranked according to the Implementation Strategy Score in later tasks

$$\text{Implementation Strategy Score} = \frac{\text{Scoring of Benefits}}{\text{Scoring of Costs and Impediments}}$$

Today's Agenda



Project Goal and Expected Outcomes



Project Timeline



Existing Plans and Studies



Best Practices

Overview
Taskforce Discussion



Draft Screening Framework




Vision Statement
Prioritization Framework
Taskforce Input



Next steps

Next Steps

- Please email us with any additional comments by 7/22/22
- **Project Maps**
 - Review Project Maps
- **Next Freight Stakeholders Taskforce meeting in November**
 - Review Innovative Strategies Screening
 - Stakeholder Interview Results

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Questions?

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