SANDEAG

San Diego and Imperial Counties Sustainable Freight Implementation Strategy
Freight Stakeholders Taskforce

July 19, 2022

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
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

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
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
Summary of Best Practices

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

Potential ideas for freight-related projects and policy implementation

Technology Strategies

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

Source: http://www.citylogistics.info/policies/eu-cities-along-ten-t-network-must-support-zero-emission-city-logistics/
Fleet Management and Operations Strategies

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

Infrastructure Improvement Strategies

- Sustainable Congestion Relief
- Multimodal Connectivity and Efficiencies
- Dedicated Truck Lanes
- Expansion of Truck Parking Facilities
- Intelligent Transportation Systems
Did we miss anything?

Sustainability – SANDAG 2021 Regional Plan

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

Talk and Engage
Prepare a business case to ensure stakeholder and management buy-in

Assess and Prioritise
Prioritise focus areas based on your specific markets and value chain

Commit and Collaborate
Build the right partnerships with key stakeholders

Measure and Report
Find the right metrics to evaluate progress

Educate and Communicate
Be transparent with consumers about sustainability progress

Source: Euromonitor International

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.
### Implementation Strategy

Scoring of Benefits

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

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Or use QR code
# Implementation Strategy

## Scoring of Costs and Impediments

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

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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

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

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**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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