Agenda

• Corridor Recommendation Form
  • To solicit input
• Alternative Fuel Corridors
• Corridor Nominations (received as of early February)
• Re-Organizing the Workgroup
• Fact Sheets and Electric/Hydrogen Questions
Corridor Recommendations
Alternative Fuel Corridors

- Alternative Fuel Corridors are federally approved and some projects along these corridors are eligible for federal funds.
- For the most part, Alternative Fuel Corridors mirror the National Highway Freight Network.
- If any corridors we select for the SB 671 assessment are not Alternative Fuel Corridors, we may want to work with Caltrans to nominate them.
Interregional Transportation Strategic Plan (ITSP) Corridors

- Align selected corridors with Caltrans’ ITSP corridors as much as possible.
- *Caltrans staff*
Northern CA Megaregion ZEV Medium/Heavy Duty Vehicle Blueprint

A Strategic Partnership Grant Application

I-5, I-80, SR-99 and US-50 corridors within SACOG, MTC and SJCOG boundaries

From SACOG, supported by MTC, SJCOG, EDCTC, PCTPA, SMUD, PG&E, SMAQMD
Bay Area/Port of Oakland Freight Corridor 1
Port of Oakland to I-880 to I-238 to I-580 to I-5

- Significant freight route – warehousing/distribution
- Port connection
- Longer trips/heavier loads – possible hydrogen
- Air Quality concerns (Oakland and AB617)
- Existing hydrogen and battery electric projects
- *Port of Oakland, ACTC, STA, CCTA, MTC*
Bay Area/Port of Oakland Freight Corridor 2
Port of Oakland to I-880 to I-80 to East Border

- Significant freight route – international trade
- Port connection
- Longer trips/heavier loads – possible hydrogen
- Air Quality concerns (Oakland and AB617)
- Existing hydrogen and battery electric projects
- Port of Oakland, ACTC, STA, CCTA, MTC
East Bay Clean Freight Corridor
Port of Oakland, I-80, I-880, I-238, and I-580

- Freight route
- Grid capacity/hydrogen capacity
- Existing infrastructure plans and investments
- Disadvantaged communities
- Good starting point
- Potential for early implementation
- Land availability
- STA, CCTA, ACTC, Port of Oakland, MTC
Bay Area to Eastern Border

- Port of Oakland on I-80 to I-880 to I-580 to I-205 to I-5 and Lathrop to Nevada/CA border
- *Caltrux*
Highway 99, between the US 50/I-80 BL in Sacramento and I-5 near Wheeler Ridge

- Significant freight route along the Central Valley, paralleling I-5
- Air pollution impacts
- Short-haul trips
- *Tesla*
I-5 between the I-80 in Sacramento and I-405 in Irvine

- Significant freight route
- Infrastructure plans or investments being made
- Air pollution impacts
- Variety of long trips and short trips
- *Tesla*
Central Valley

• I-5 and I-99 between the City of Lathrop and Los Angeles County

• Caltrux
I-710 South Corridor

- Northern Limit: SR-60
- Southern Limit: The Ports of LA and Long Beach
- Includes adjacent communities, rail infrastructure (i.e., Alameda Corridor) and major arterial highways

Features

- Major, high volume truck freight route serving #1 California seaport complex

- Significant funding made available through LA Metro ($50 million commitment) and Ports of LA and Long Beach (Clean Truck Fund rate) to leverage state and federal funds

- Existing ZE infrastructure projects

- Major air pollution and public health impacts for large concentration of disadvantaged, high population communities

- Opportunities for short trips serving clusters of intermodal, warehousing, logistics and transloading facilities within study area

Sponsor

- LA Metro, Gateway Cities COG, Caltrans District 7 and the 710 Task Force
I-710, South of State Route 60

- Freight
- Existing battery-electric charging infrastructure projects
- Los Angeles Cleantech Incubator
I-710 and the I-110 feeding into the Long Beach and Los Angeles Ports

- Significant freight route to top California ports
- Infrastructure plans or investments already being made
- Major air pollution impacts to high population areas
- Short trips
- Tesla
Coastal Freight Corridor (Part 1)
I-5 San Ysidro to Orange County
I-805 from SR 905 to I-5 merge

- Freight corridors
- Border – starting point
- Land for zero-emission infrastructure
- Good power supply
- Disadvantaged communities/ some air quality concerns
- SANDAG
Coastal Freight Corridor (Part 2)
SR 905, SR 11, La Media, & Harbor Dr.

- Corridor also includes LOSSAN rail from National City Marine Terminal to Orange County line

SANDAG
Inland Freight Corridor
I-15 from I-5 to Riverside

• Freight corridors
• Good power supply
• Disadvantaged communities
• Air quality concerns
• SANDAG
Eastern Freight Corridor

- Freight
- Land available
- Power available
- SANDAG
Los Angeles to San Bernardino

- San Pedro Port Complex to warehouses in the San Bernardino County utilizing the I-110, I-710, I-60, I-10, and 210 Highway
- Caltrux
Workgroup
Re-Organization
Clean Freight Corridor Assessment

- Community
- Industry Sectors
- SB 671 Workgroup
- Energy Partners
- Public Agencies

Workgroup
Next Steps

- Emails about Fact Sheets
- Meet with Electric and Hydrogen Groups
- Review Remaining Corridor Nominations
- Check-in with Larger Workgroup
Fact Sheets
Fact Sheets for Assessment

• To set the stage for discussions about projects and recommendations.
• To make sure the audience understands key subject matter.
• Freight Business Plan Economics
• Drayage Sector Business Model
  • Fleet Operations
  • Independent Owner/Operators
• Long-Haul Business Model
• Truck Use Cases
• Understanding Port Operations (include drayage truck registry)
• Energy Distribution
• Battery Storage and Micro-Grids
• Liquid Hydrogen Distribution
• Installation Process – Electric Charging and Hydrogen Refueling Stations
• Sources of Alternative Energy
• Energy Demand
• Regulatory Framework and Timing
• Engine Manufacturers
• Understanding Rail Operations
• Freight Forwarders
• Warehousing/Logistics Sector
Hydrogen / Electric Infrastructure Questions

- Process
- Cost
- Timing
- Electricity/Hydrogen Considerations
Other Topic Areas

Financing
- How are charging/re-fueling stations currently financed?
- What is the business model for ownership and operations?
- What are business needs/recommendations?

Programmatic EIR

Micro-Grids

Throughput Improvements

Safety Improvements
Thank You