

# Regional Transportation Plan and California Transportation Plan Guidelines



**Kickoff Meeting**  
October 27, 2022

# Welcome & Opening Remarks

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**Mitch Weiss**  
Executive Director  
California Transportation Commission

# Welcome & Opening Remarks

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**Antonio Johnson**

Director of Planning, Environment, and Right of Way  
California Division, Federal Highway Administration

# Welcome & Opening Remarks

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**Ryan Niblock**  
Chair

Regional Transportation Planning Agencies Group

# Welcome & Opening Remarks

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**Aaron Hoyt**  
Vice-Chair  
Rural Counties Task Force

# Scope, Process, and Schedule

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**Brigitte Driller**

Associate Deputy Director, Transportation Planning  
California Transportation Commission

# What is an RTP?

- Required document for MPOs and RTPAs
- Updated every 4-5 years
- Minimum 20-year horizon
- Fiscally constrained and includes a project list



# What is the CTP?



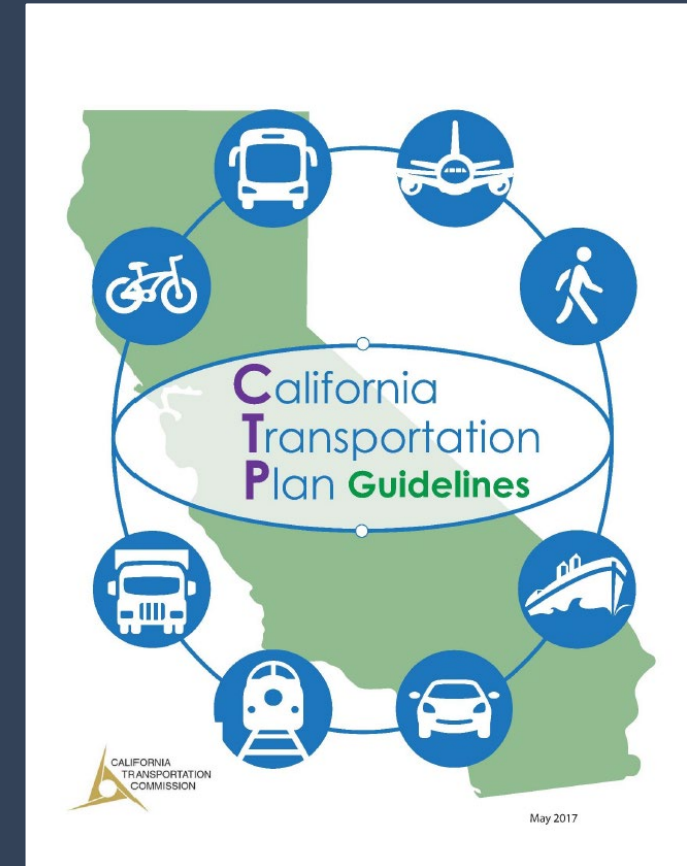
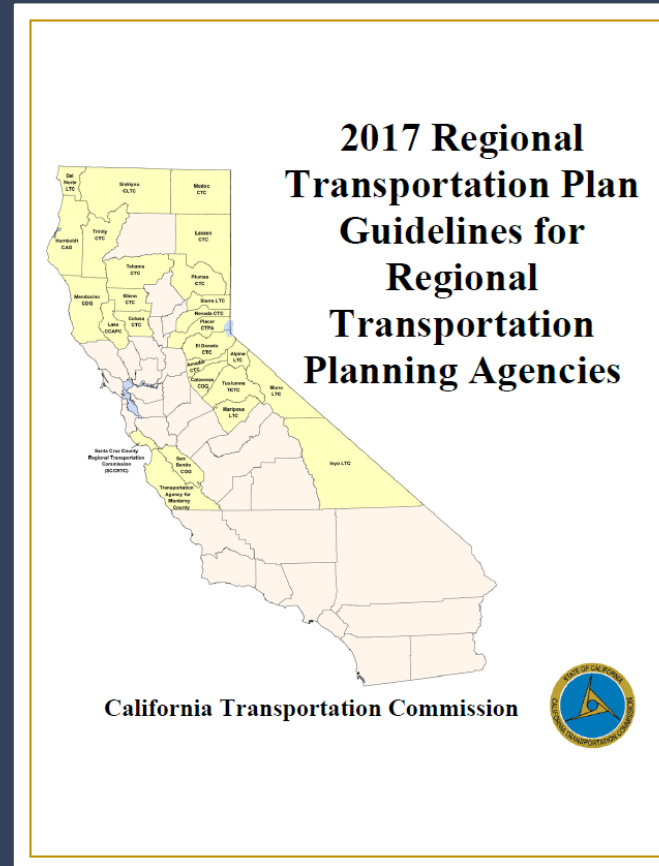
## California Transportation Plan 2050

February 2021



- Federally required document for State DOTs
- Updated every 5 years
- Minimum 20-year horizon
- Not fiscally constrained

# Commission staff is initiating an update of the 2017 RTP and CTP Guidelines



# Relevant Legislation, Reports, and Plans

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## Legislation

- Infrastructure Investment and Jobs Act (2021)

## Plans

- Climate Action Plan for Transportation Infrastructure (CalSTA, 2021)

## Reports

- California Transportation Assessment (AB 285 Report) (SGC, 2022)
- Draft Progress Report on Sustainable Communities Implementation (SB 150 Report) (CARB, 2022)
- California Transportation Plan 2050 (Caltrans, 2021)
- Draft 2022 Scoping Plan (CARB)

# RTP Guidelines Milestones

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Fall 2022	Kickoff Meeting and Form Technical Working Groups*
Winter/Spring 2023	Hold Public Workshop* and Release First Draft RTP Guidelines
Summer 2023	Hold Public Workshop and Release Second Draft RTP Guidelines
Fall 2023	Finalize Guidelines
December 2023	Commission Adopts Guidelines

\*Joint Activity for RTP and CTP Guidelines

# CTP Guidelines Milestones

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Fall 2022	Kickoff Meeting and Form Technical Working Groups*
January 2023	Release Draft CTP Guidelines and Hold Public Workshop*
May 2023	Commission Adopts Guidelines

\*Joint Activity for RTP and CTP Guidelines

# Kickoff Meeting Purpose

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- Learn from partners about the work they are doing to advance regional planning.
- Encourage feedback from attendees:
  - What are important issues you hope to see reflected in the RTP Guidelines and CTP Guidelines?
  - Are any important topic areas missing from today's agenda?
- Share next steps.

# Scope, Process, and Schedule

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**Marlon Flournoy**

Chief, Division of Transportation Planning  
Caltrans

# RTP Guidelines

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Equity and Engagement

Housing Coordination

Goods Movement and Economic Development

Environmental Sustainability and Conservation

Performance Management

Modeling

# RTP Guidelines – Equity and Engagement

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**Amar Cid**

Manager, Office of Race and Equity  
Caltrans

**Sarah Jepson**

Planning Director

Southern California Association of Governments

# RTP Guidelines – Housing Coordination

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## **Abigail Jackson**

Planning for Housing and Homelessness Solutions Lead  
Caltrans

## **Sarah Poss**

Chief, Office of Policy and Program Support  
California Department of Housing and Community Development

## **Tyrone Buckley**

Assistant Deputy Director of Fair Housing  
California Department of Housing and Community Development

## **Clint Holtzen**

Planning Manager  
Sacramento Area Council of Governments

# RTP Guidelines – Goods Movement and Economic Development

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**Yatman Kwan**

Deputy Division Chief, Division of Transportation Planning  
Caltrans

**Rob Ball**

Deputy Director – Planning  
Kern Council of Governments



West U.S. Largest Small-Item Sortation Distribution Center (DC)  
BFL Intl Airport – 4-story, 2.6M Sq. Ft. on .64M Sq. Ft.



## Example of Goods Movement Planning in a Mid-Sized MPO

<https://www.kerncog.org/goods-movement/>

### Recent Studies

2022 RTP Freight Movement Action Element

2022 I-5 Freight ZERO Study

2021 KARGO Sustainability Study Ph. 1, Ph. 2 Underway

2020 Kern Warehouse/Industrial Inventory

2020 California Inland Port Feasibility Study – SJV Ph. 2 Underway

2017 SJV Goods Movement Sustainable Implementation Plan

2017 SJV Goods Movement Study I-5 SR-99 Corridor



West U.S. Largest Perishable Grocery DC  
Shafter, CA/BNSF – 5-story, .6M Sq. Ft.



New Leased DC Majestic Realty  
.5M Sq. Ft.



# Transportation Investment in Goods Movement Helps Drive the Economy

*La inversión en transporte en el movimiento de mercancías ayuda a impulsar la economía*





A Robert Wood Johnson Foundation program

**RWJ COUNTY HEALTH RANKINGS:**  
To improve under this health ranking method, **we need a balanced approach** to improve the environment and economy. Roughly half their factors are economic.

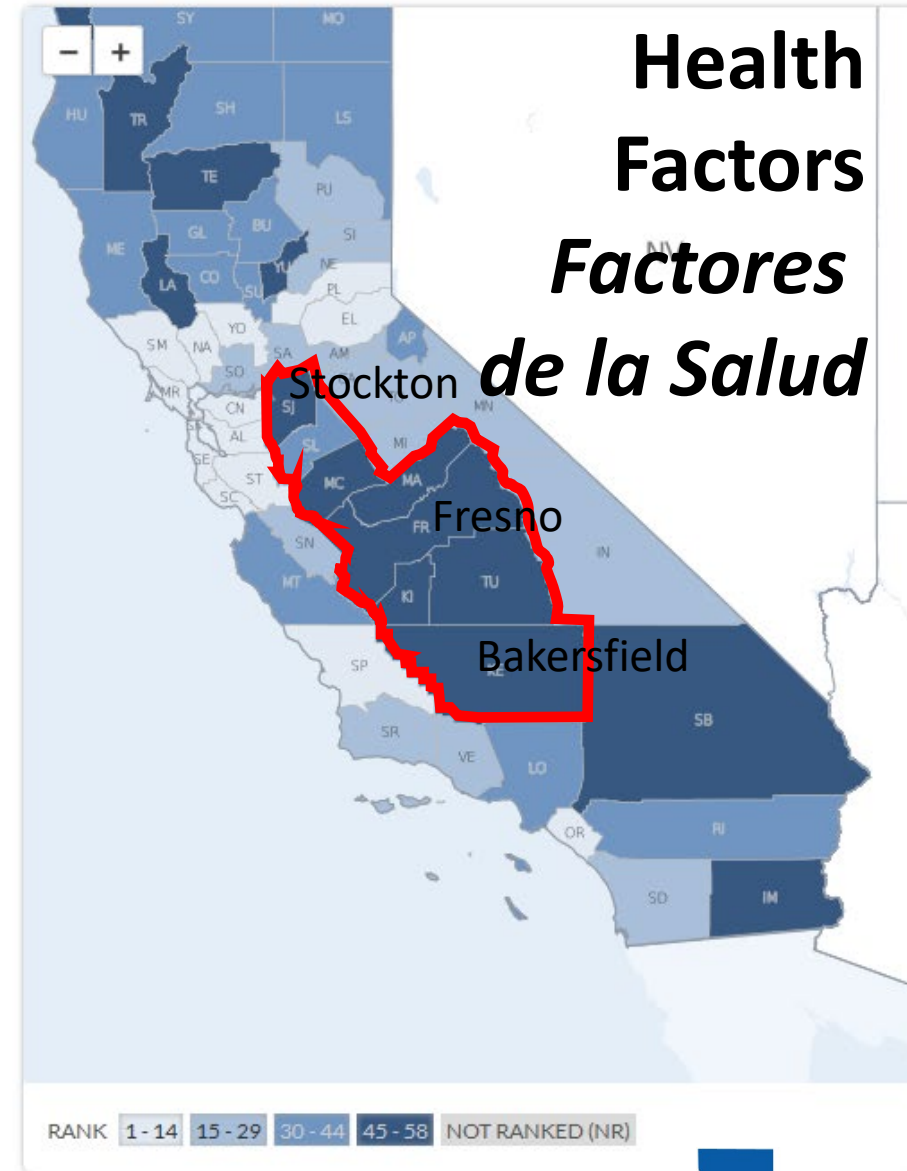
**CLASIFICACIONES DE SALUD DE CONDADO DE RWJ:**  
*Para mejorar bajo este método de clasificación de la salud, **necesitamos un enfoque equilibrado** para mejorar el medio ambiente y la economía. Aproximadamente la mitad de sus factores son económicos.*

Overall Rankings in Health Outcomes ⓘ

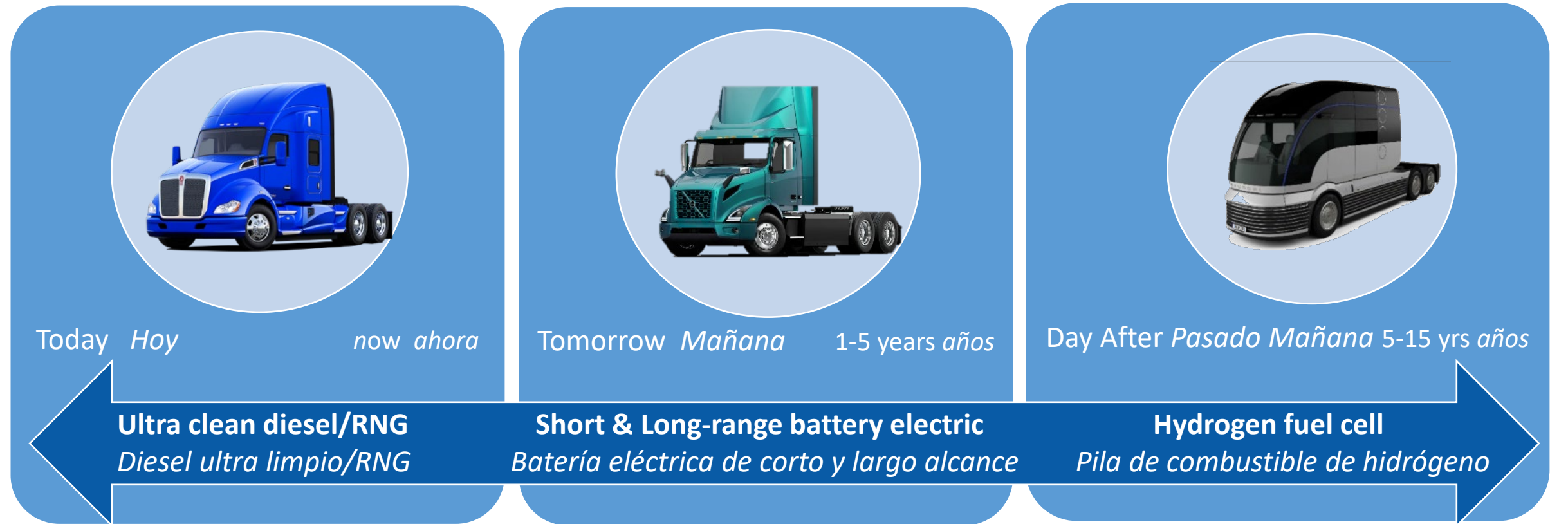


<http://www.countyhealthrankings.org/explore-health-rankings/our-methods>

Overall Rankings in Health Factors ⓘ



# I-5 Freight ZERO Pilot Project    *Proyecto Piloto I-5 de Carga ZERO*



During the first phase, the project only collected information from clean diesel and renewable natural gas (RNG) trucks capable of performing long-hauls.

*Durante la primera fase, el proyecto solo recopiló información de camiones diésel limpios y de gas natural renovable (RNG) capaces de realizar largas distancias.*



# 52M Sq. Ft., 50% in Facilities Greater Than ½M Sq. Ft.

## 6M Sq. Ft. Added Since 2017

Symbol sizes are proportional to the square footage at that major, large & medium facilities.

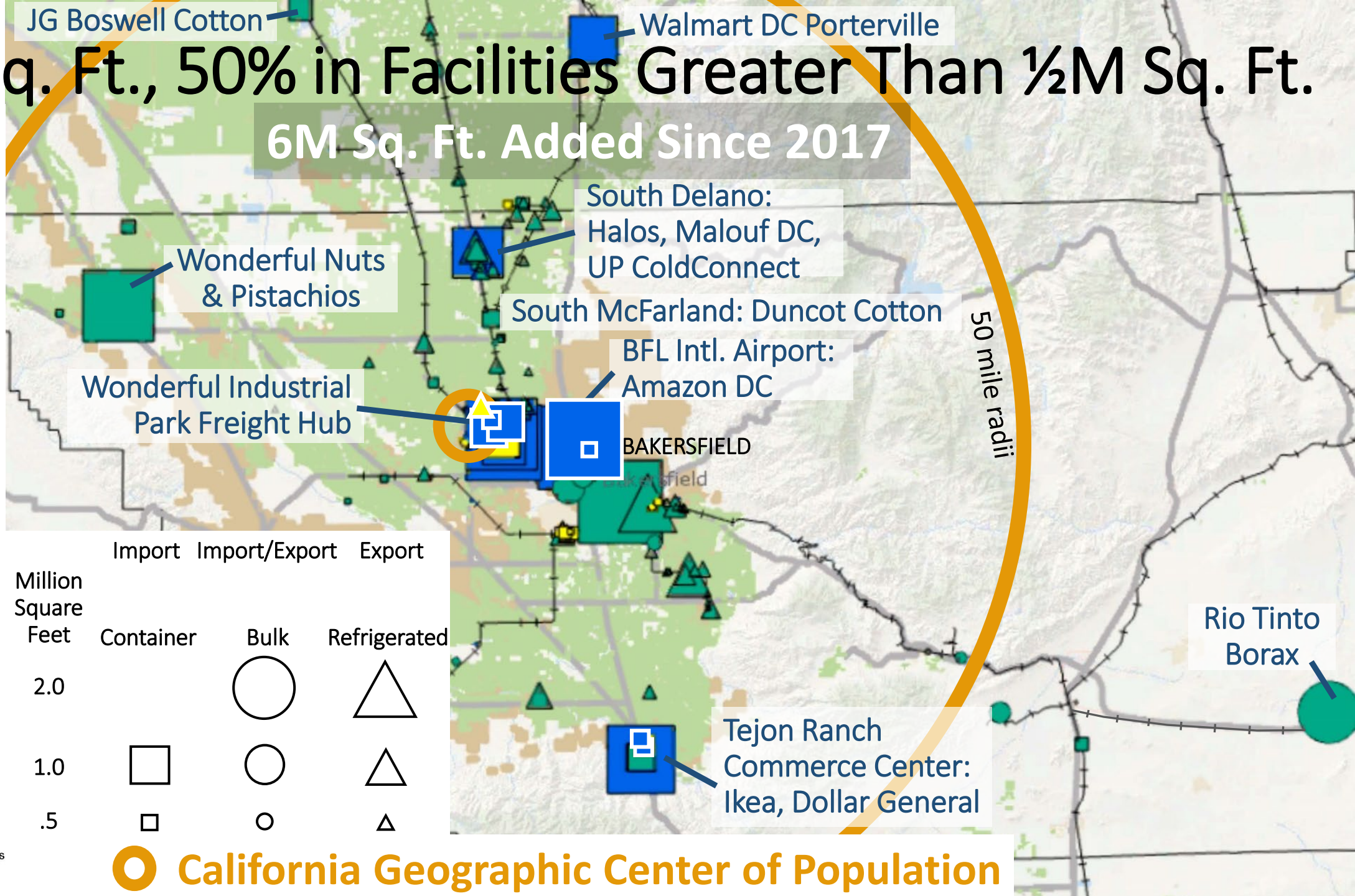
Green = Exporter  
Blue = Importer  
Yellow = Both

Square footage data is for distribution centers, warehouses, processing, mining and energy facilities using Google Earth 2019.

Green areas are predominantly agriculture. Tan areas are predominantly oil production.



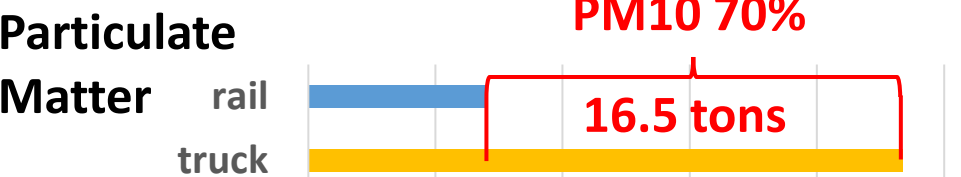
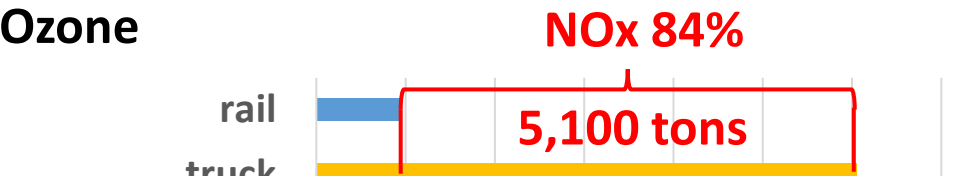
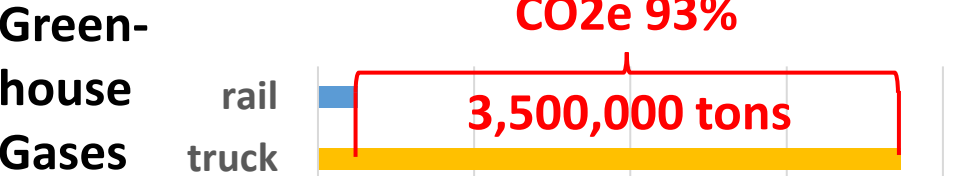
0 5 10 20 Miles



	Import	Import/Export	Export
Million Square Feet	Container	Bulk	Refrigerated
2.0			
1.0			
.5			

California Geographic Center of Population

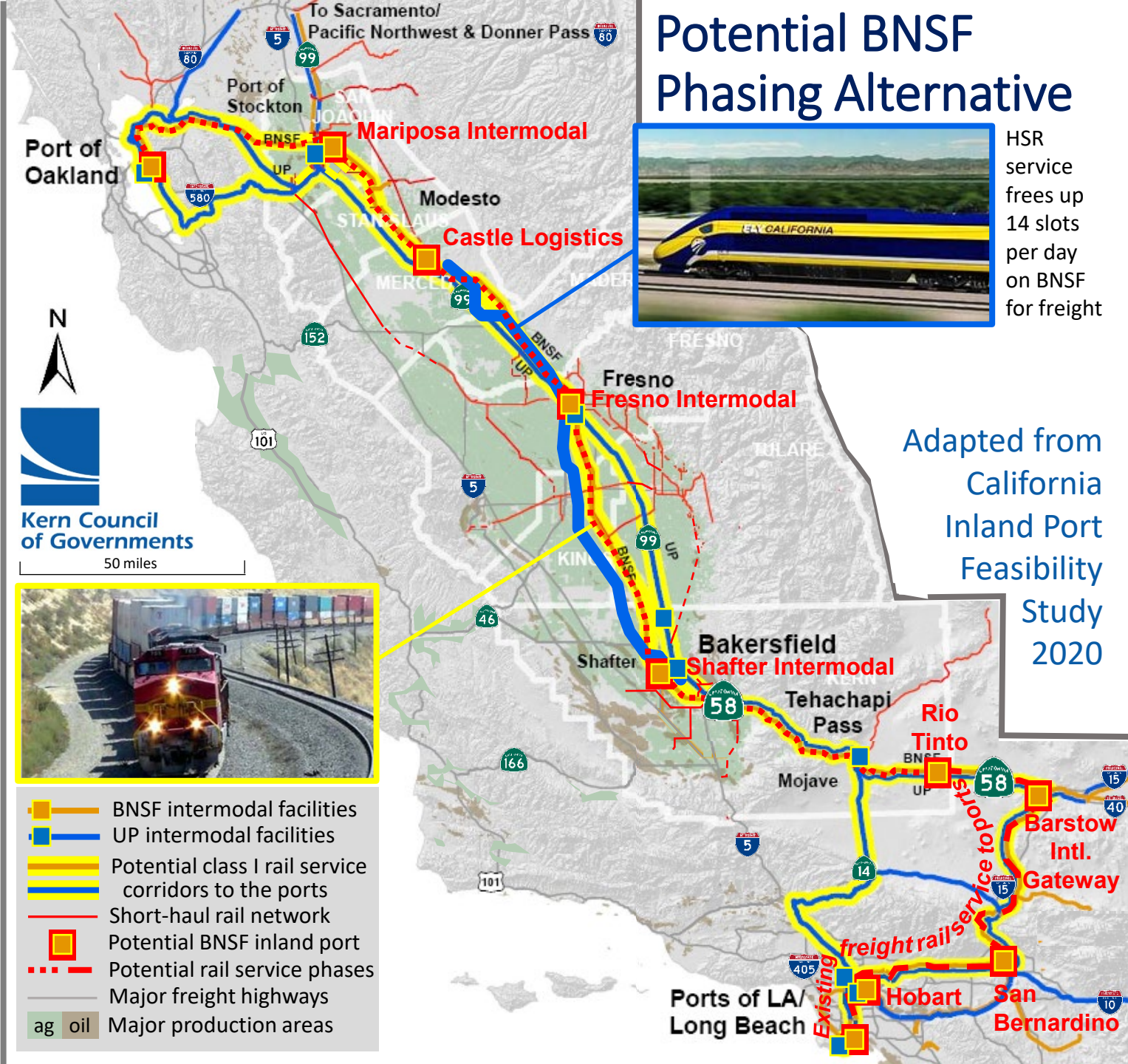
# Potential Rail Freight Service Annual Emission Reductions



Assumptions:

- 250 truck trips removed per train
- 2010 train emission rates

Source: SJVAPCD, California Inland Port Feasibility Study 2020



# Mojave Inland Port <https://www.mojaveinlandport.com/>

## Construction Quick Facts

### Kern County



**\$113.0 Million** Construction expenditures for the Project are expected to generate \$113.0 million in economic output

**\$41.1 Million** \$41.1 million in labor income

**\$5.1 Million** \$5.1 million in state and local tax revenues

**662** 662 jobs supported

### Los Angeles County



**\$12.7 Million** Construction expenditures for the Project are expected to generate \$12.7 million in economic output

**\$41 Million** \$41.1 million in labor income

**\$0.7 Million** \$0.7 million in state and local tax revenues

**53** 53 jobs supported

## Operations (Recurring Yearly) Quick Facts

### Kern County



**\$491.7 Million** Once operational, projected annual expenditures are expected to generate \$491.7 million in economic output



**\$28.2 Million** \$28.2 million in state and local taxes



**2,675** 2,675 jobs supported

### Los Angeles County



**\$38.5 Million** secondary effects are expected to generate \$38.5 million in economic output



**\$1.9 Million** \$1.9 million in state and local taxes

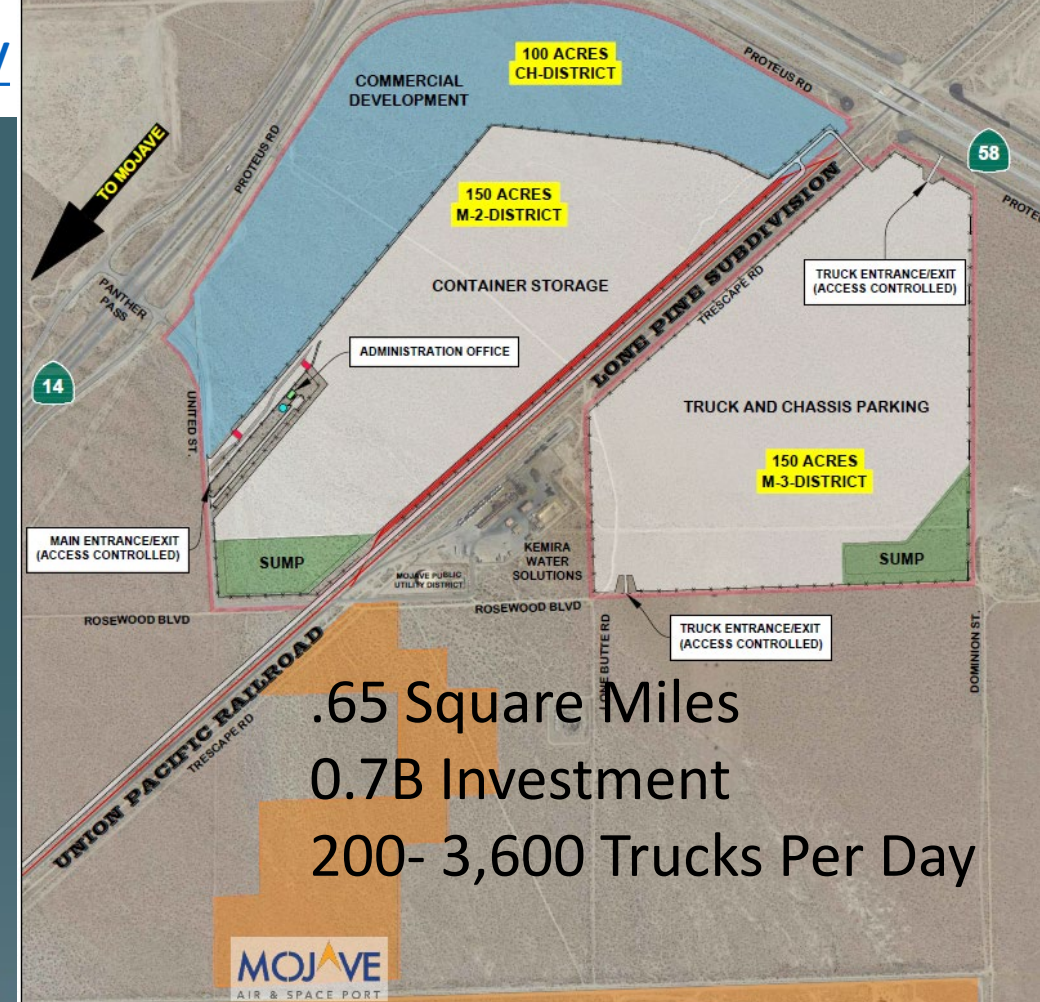


**176** 176 jobs supported

Prepared By:



BEACON  
ECONOMICS



.65 Square Miles  
0.7B Investment  
200- 3,600 Trucks Per Day



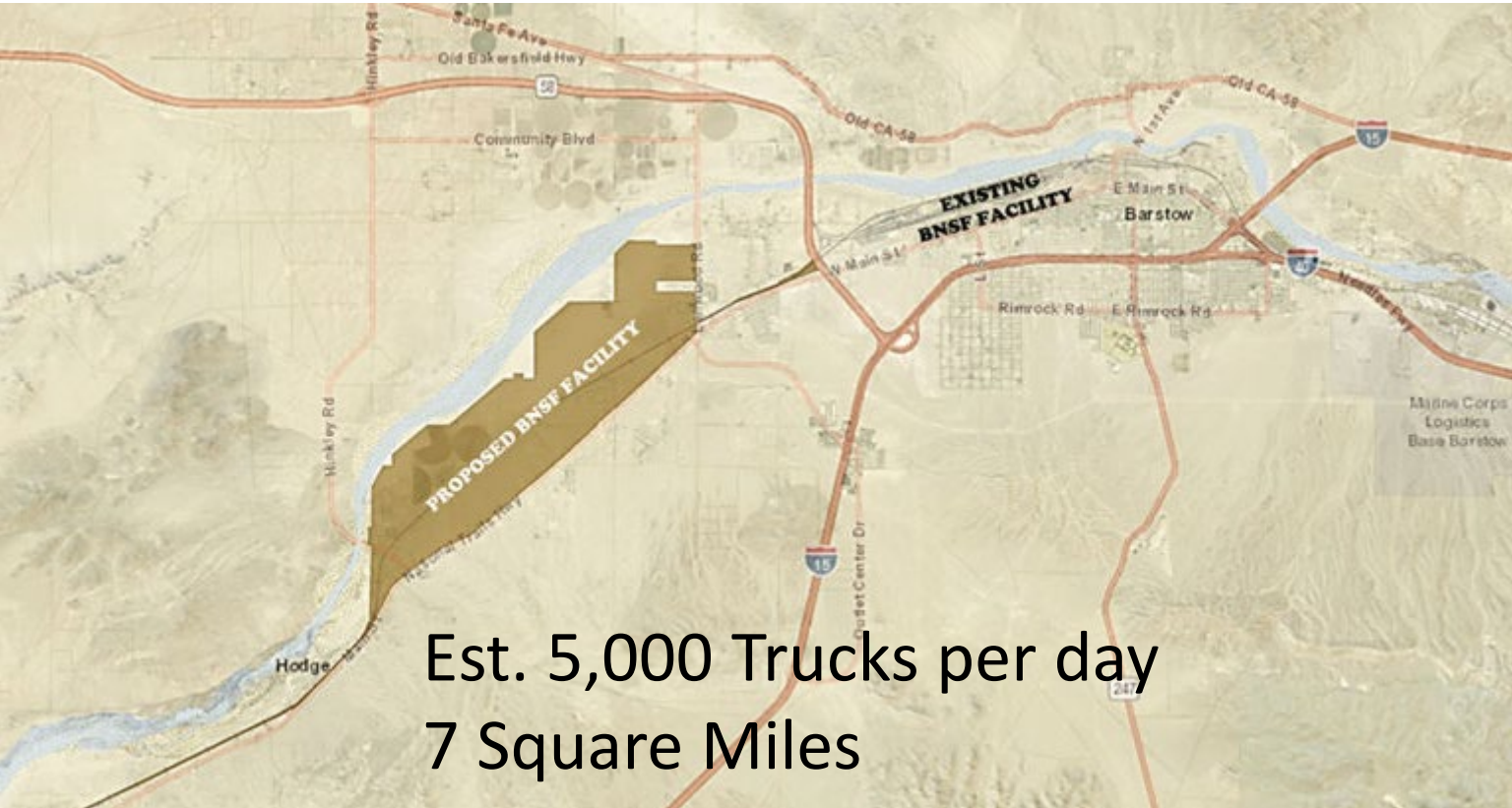
# BNSF Barstow Intl. Gateway Inland Port

<https://www.bnsf.com/news-media/news-releases/newsrelease.page?relId=bnsf-to-build-new-integrated-rail-complex-in-barstow-to-increase-supply-chain-efficiency-nationwide>

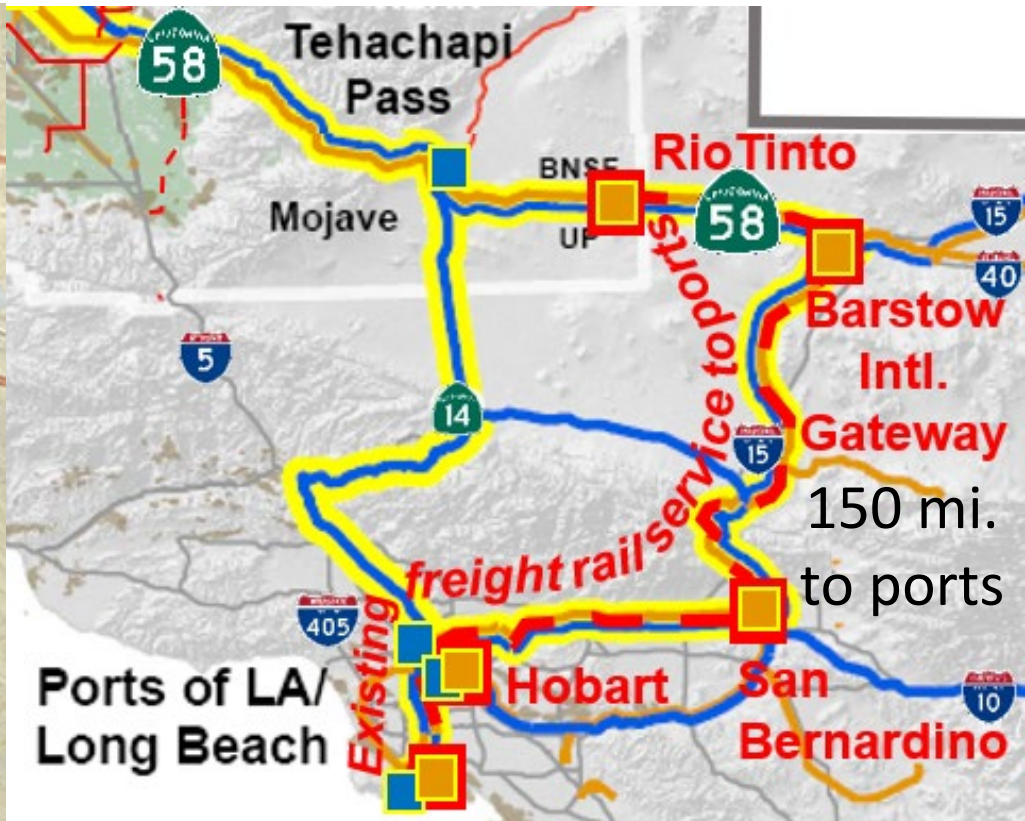


1.5B Investment

Caltrans 5+ Axle Truck Counts 2019		
Traveling to/from Ports of LA/LB		
Route	2019	2019
	S of 405	S of 91
110	4,589	10,772
710	15,459	18,110
Total	20,048	28,882
Assume 20% redirected to Barstow via 58		
58	4,010	5,776



Est. 5,000 Trucks per day  
7 Square Miles



# Proposed Kern SAFETEC Logistics Zone – Advanced Research Corridor Network

– Safer Autonomous Freight Enhanced Testing Environmentally Clean (SAFETEC) Logistics Zone



Google spinoff Waymo LLC



Tesla Electric Truck - Autonomous

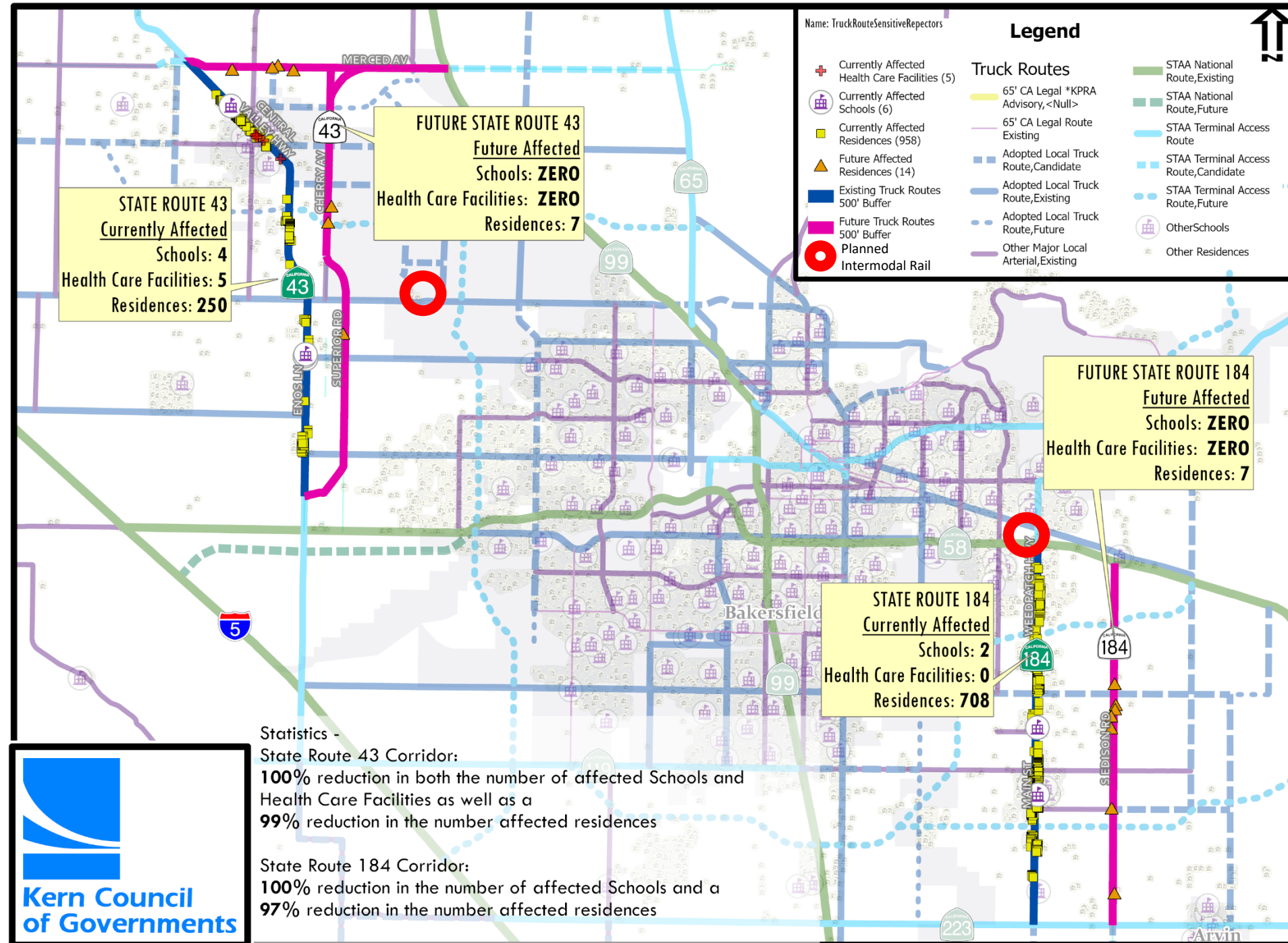


Volvo Electric Autonomous Truck

## Potential Pilot Rural Logistics Corridor Network



# Potential to Move Truck Traffic Away from Sensitive Receptors on State Routes 43 & 184



# RTP Guidelines – Goods Movement and Economic Development

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**Yatman Kwan**

Deputy Division Chief, Division of Transportation Planning  
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**Rob Ball**

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Kern Council of Governments

# RTP Guidelines – Environmental Sustainability and Conservation

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**Eric Sundquist**  
Sustainability Advisor  
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**Lezlie Kimura Szeto**  
Manager, Sustainable Communities Section  
California Air Resources Board

**Nailah Pope-Harden**  
Executive Director  
ClimatePlan

# RTP Guidelines – Performance Management

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**Ryan Greenway**  
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Caltrans

**Adam Noelting**  
Principal Planner  
Metropolitan Transportation Commission

# RTP Guidelines – Modeling

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Acting Office Chief, Data Analytics Services  
Caltrans

**Dr. Wu Sun**

Manager of Regional Models  
San Diego Association of Governments



# SANDAG Transportation Modeling

CTC RTP and CTP Guidelines Update Kickoff Meeting (10/27/2022)

Wu Sun

# SANDAG's Modeling Platform

- An advanced Activity-Based Model (ABM) used in 3 Regional Plans
- A suite of models that cover all travel markets
- Detailed spatial & temporal representations
- Open-source software (GitHub)/Transparency(Wiki)
- Peer reviewed by leading experts
- Followed CTC guidelines

# Modeling for the 2025 Regional Plan

- Represent post-pandemic patterns
- Enhanced for emerging modes, equity, and pricing analyses
- Innovative modeling/Big data
- Modeling at strategic, tactical, & operational levels
- Challenges
  - Fast changing environment
  - Disruptive technologies
  - Have we reached 'new normal' yet?
- Guidelines needed for modeling under changing environment

# RTP Guidelines – Modeling

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**Kalin Pacheco**

Acting Office Chief, Data Analytics Services  
Caltrans

**Dr. Wu Sun**

Manager of Regional Models  
San Diego Association of Governments

# RTP Guidelines

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Any other important topic areas we should be thinking about?

# CTP Guidelines

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**Frances Dea-Sanchez**

California Transportation Plan Program Manager  
Office of State Planning, Caltrans

# Wrap-up and Future Engagement Opportunities

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**Brigitte Driller**

Associate Deputy Director, Transportation Planning  
California Transportation Commission

# Wrap-up and Future Engagement Opportunities

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- Commission and Caltrans staff will:
  - Consider feedback provided today and announce technical working groups in November.
  - Recruit for working group members via multiple channels.
  - Release a baseline draft of the RTP Guidelines prior to initiating the technical working groups.
- Technical working groups are anticipated to begin in December and continue throughout the guidelines update process.

# Thank you!

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