

# CALIFORNIA HIGH-SPEED RAIL

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PRESENTED BY

**MARK MCLOUGHLIN**

DIRECTOR OF ENVIRONMENTAL SERVICES

**PROFESSIONAL ENVIRONMENTAL  
MARKETERS ASSOCIATION**

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**SACRAMENTO, CA**

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# HIGH-SPEED RAIL: MORE THAN A TRANSPORTATION PROGRAM

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- California is 8<sup>th</sup> Largest Economy in the World
- Comparable to Northeast Corridor in Terms of Distance, Population and Complexity
- It is a Transformational Investment
- Connecting all California Population Centers



# CONTROVERSY IS NOTHING NEW

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- Transformational Projects Have **Never Been Easy**
- Golden Gate Bridge:
  - “Upside-Down **Rat Trap** that will Mar the Beauty of the Bay”
  - 2,000+ Lawsuits
- BART – Once Called the **Train to Nowhere**
- Calif. State Water System, University of Calif. System
  - Single-Vote Margins
- **Where Would We be Without Them?**

# WHY HIGH-SPEED RAIL IN CALIFORNIA?

- **Airport Congestion**

- Los Angeles to San Francisco is the Busiest short-haul market in US
- 5 Million Passengers Every Year
- One in Four Flights Delayed by an Hour or More



- **Roadway Congestion**

- Six of Top 30 Congested Urban Areas in US Located in California

- **Population Growth**

- **Air Quality/Sustainability**

- **Alternatives are Costly**



# RESULTS FOR CALIFORNIA

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- **Reduction in Vehicle Miles Traveled (VMT)**
  - By 2040, the system will reduce vehicle miles by almost 10 million miles every day
  - By 2030, the reduction in VMT would be like removing one 500-mile lane of cars
- **Daily Number of Flights Diverted**
  - Starting in 2030, the state will see a daily reduction of 93 to 171 flights
  - By 2040, the state will see a daily reduction of 97 to 180 flights
- **Statewide Air Quality Improvement:**
  - Tons of volatile organic compounds reduced
  - Tons of particulate matter reduced
  - Tons of ozone precursors

# ENVIRONMENTAL BENEFITS: HIGH-SPEED RAIL'S BEST KEPT SECRETS

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- Preserving Agricultural Land
- Improving Air Quality
- Preserving and Enhancing Critical Habitat
- Reducing Greenhouse Gases
- Enabling Smart Land Use
- Urban Greening: Planting Trees
- Modernizing Transit Statewide
- Using Renewable Energy

# **CAP & TRADE INVESTMENTS**

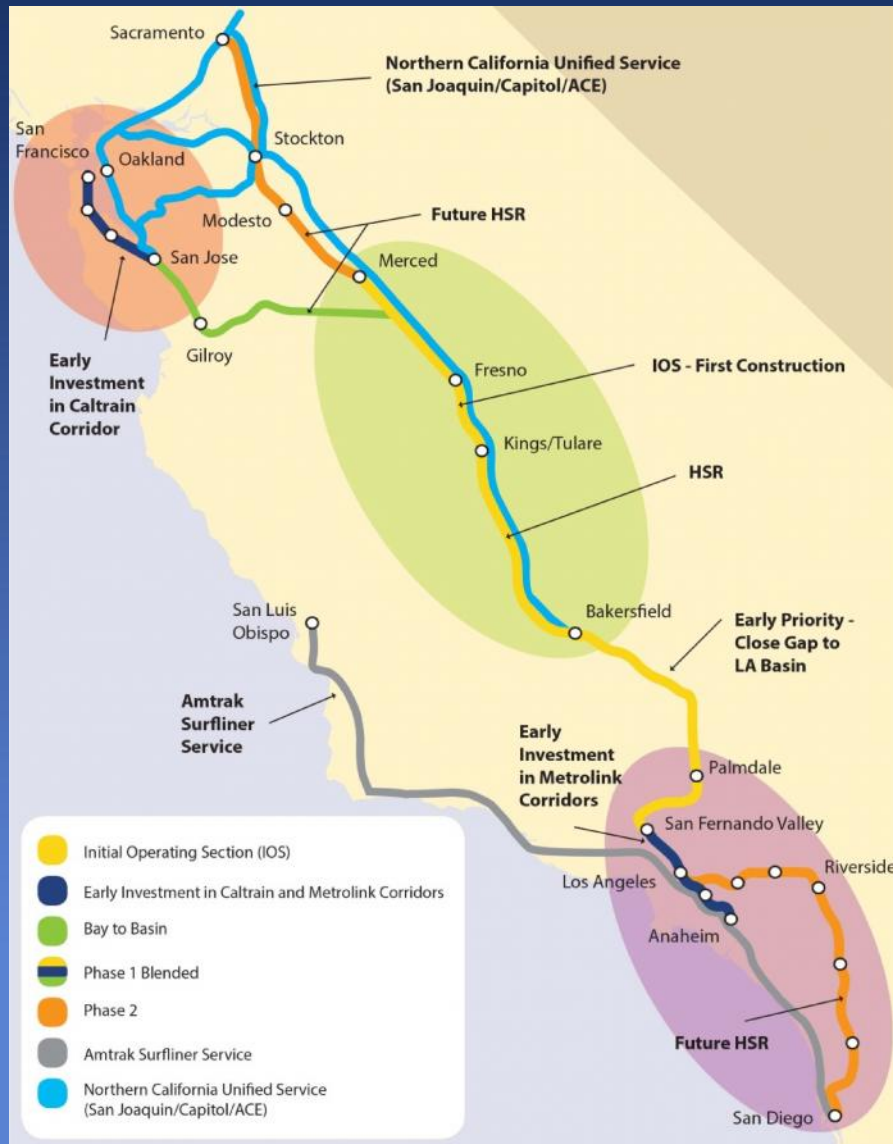
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- **High-Speed Rail Priority Cap and Trade Investment for Several Years**
- **Statewide Rail Modernization Program with High-Speed Rail as the Backbone**
- **Meets to Goals and Priorities of AB 32**
- **High-Speed Rail is Clean, Efficient Transportation**
  - **Electric Rail Running on Renewables**
- **Acts as a Catalyst for Transit-Oriented and Sustainable Development**

# A STATEWIDE RAIL MODERNIZATION PLAN

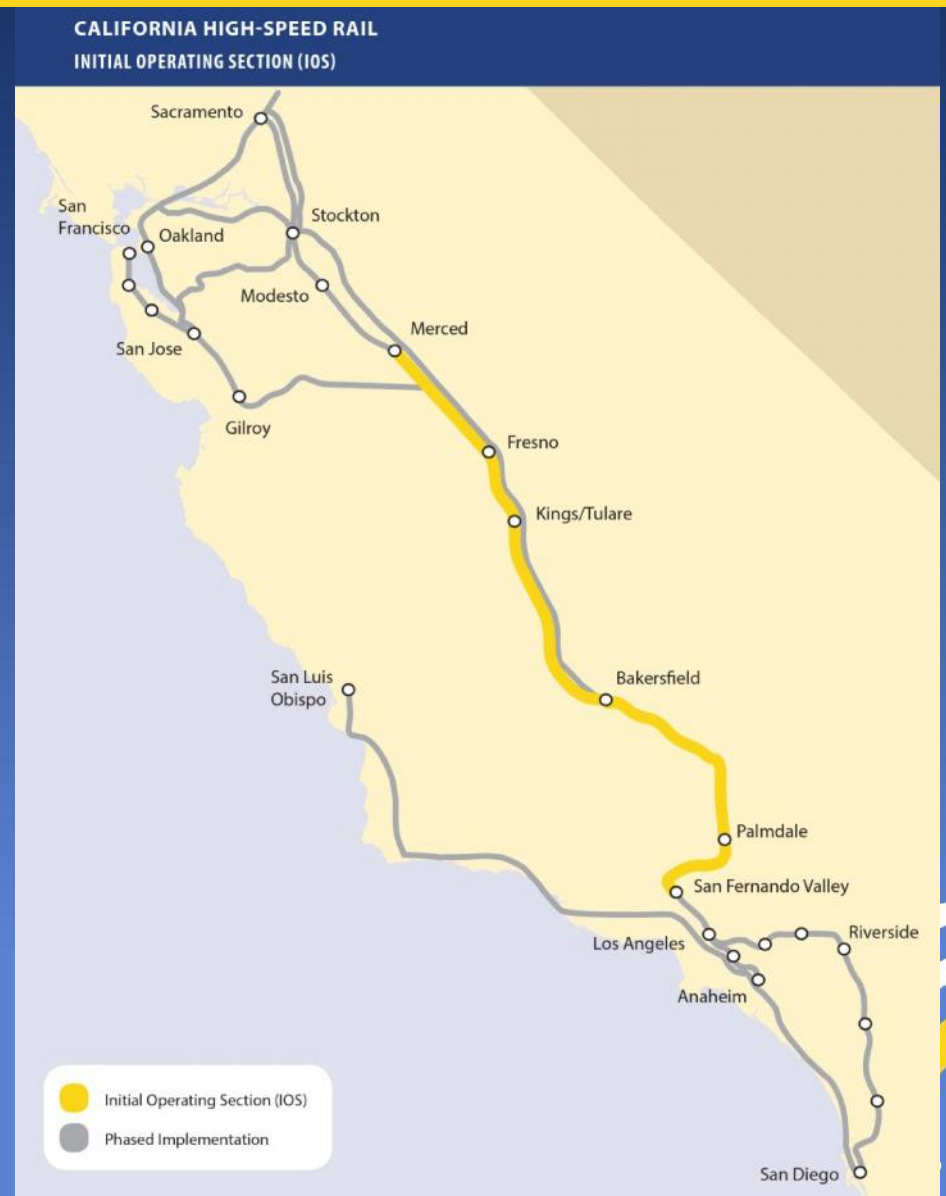
## Progress is Underway

- Caltrain Electrification & Early Investments in the Peninsula Corridor
- Central Valley “Backbone” of High-Speed Rail
- Regional Enhancements in Southern California
- Statewide Connectivity Projects & Investments



# INITIAL OPERATING SECTION (IOS)

- Central Valley to San Fernando Valley
- 300 Miles
- First Step Towards a Statewide High-Speed Rail System - **2022**



# WHY START IN THE CENTRAL VALLEY?

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- Central Valley will be the **“Backbone”** of a System that will Tie Major Regions of California Together
- Fastest Growing Region in the State
- Availability of Federal Funding
- Ability to Advance the Project Faster and at a Lower Cost
- Testing and Certification of First High-Speed Equipment in the United States

# BETTER AIR QUALITY FOR THE VALLEY

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- **Voluntary Emissions Reduction Agreement**
- Working with **the San Joaquin Valley Air Pollution District** to provide:
  - New, clean buses for schools
  - Clean truck engines and new tractors
  - Electrified irrigation pumps
- Maintaining air quality in one of the worst air sheds in the nation
- In the top ten worst for :
  - Ozone
  - Short-term particles
  - Year-round particulate matter



# FIRST CONSTRUCTION SEGMENT

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- 130 Miles
- Madera to North of Bakersfield
- Multiple Construction Packages
- Completion 2018



# WORKS UNDERWAY

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**Merced to Fresno Project Section: 65 Mile Route  
Environmental Clearances in 2012 Paved Way for Work to Begin**

- **Construction Package 1**

- 29 miles
- Avenue 17 in Madera to East American Avenue in Fresno

- **Contractor and Management Team In Place**

- Opened Offices in Downtown Fresno
- Hiring Workers
- Completing Designs
- Conducting Field Work
- Finalizing Third Party Agreements



# CLEAN & GREEN CONSTRUCTION

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- The Authority has committed to using **100 percent** renewable energy to power the system
- Net Zero Greenhouse Gas Emissions
- Recycling **100%** of Steel and Concrete
- The Authority will partner with local organizations to plant over **5,000** trees
- The Authority will preserve up to **6,000** acres of farmland
- By 2030 the system will reduce GHG emissions by up to **8.4 million** metric tons

# **AG CONSERVATION & PRESERVATION**

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## **Department Of Conservation Agreement**

- **5,000** acres of permanent easements in the Central Valley
- Potential to reinforce urban growth boundaries
- Work with willing sellers

## **Settlement Agreement for Preservation of Farmland**

- Reached in **2013** with Central Valley Farm Bureaus to settle Merced to Fresno project section EIR/EIS litigation
- **\$4 million** mitigation fund established
- Enables preservation of important farmland and establishes a framework for long-term coordination

# MITIGATION WITH A DIFFERENCE

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- Preserving High Quality Habitat
  - 500 acres with a vernal pool matrix
  - Contiguous, and connected to larger ecosystem
- Regional Advanced Mitigation
  - Coordinate with state agencies to carry out mitigation
  - Enables protection of parcels at risk of development
  - Help achieve a state priority for the benefit of all



# CENTRAL VALLEY NEXT STEPS

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**Fresno to Bakersfield Project Section: 114 Mile Route  
Environmental Clearances Expected in Spring 2014**

- **Construction Package 2-3**

- 60 miles

- East American Avenue in Fresno to One Mile North of the Kern/Tulare County Line

- 5 World Class Teams Submit Statements of Qualifications

- Formal Proposals from Qualified Firms Expected in 2014

# SMALL BUSINESS PROGRAM

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Aggressive **30% Goal** for Small Business Participation

Including

- 10% for Disadvantaged Business Enterprises (DBE)
- 3% for Disabled Veteran Business Enterprises (DVBE)

**Meeting & Exceeding Goals**

Free Statewide Certification Workshops

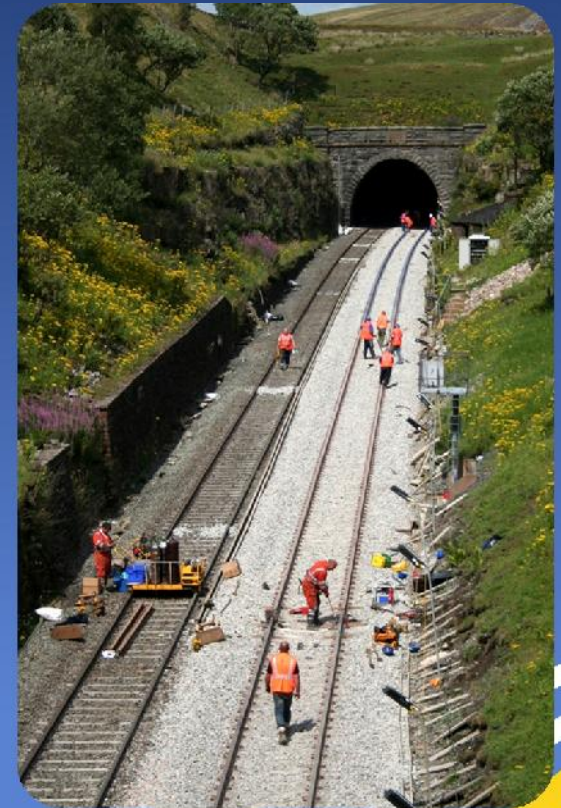
Partnerships with Federal, State and Local Organizations



# JOB CREATION

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- Work on Statewide Rail Modernization program is Underway
- Construction: **Direct, Indirect Jobs in Hard-Hit Sectors**
- Permanent: **Rail Modernization Creates Efficiencies Statewide**



# TAKE THE PLEDGE: #IWILLRIDE

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Pledge Support and Educate Others on this Transformative Investment in California's Future

## #Iwillride Social Media Campaign

- Engage, Educate & Take the Pledge

## #Iwillride Youth Advocacy Campaign

- Increase Millennial Support



# NEXT STEPS: CONNECTING CALIFORNIA

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- **Continue Work on Statewide Rail Modernization**
  - Northern California
  - Central Valley
  - Southern California
- **Deliver Benefits Now**
- **Engage, Educate & Partner**

# CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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## CONTACT INFORMATION:

770 L Street, Suite 800  
Sacramento, CA 95814  
Phone: 916-324-1541

[www.hsr.ca.gov](http://www.hsr.ca.gov)

[info@hsr.ca.gov](mailto:info@hsr.ca.gov)

Mark McLoughlin

[Mark.mcloughlin@hsr.ca.gov](mailto:Mark.mcloughlin@hsr.ca.gov)