



# CALTRAIN ELECTRIFICATION

## PROJECT FACTSHEET January 2024

### PROJECT OVERVIEW

Caltrain Electrification has been under construction since 2017, building California’s first electrified commuter rail and the West’s first diesel to electric rail system. The project will transform the way people travel along the 51-mile Caltrain-owned corridor between San Francisco and Silicon Valley. The overhead contact system will be compatible with future High-Speed Rail on the corridor, and high-performance electric trains that better match the needs of the corridor will replace all of Caltrain’s diesel service between San Francisco and San Jose.

**The project will provide faster, safer, more frequent service while mitigating climate change and enhancing equity and access for all communities.**



### PROJECT BENEFITS

#### GET THERE FASTER

##### SAN FRANCISCO TO SAN JOSE IN UNDER AN HOUR

Compared to 65+ minutes today

##### 75 MINUTES FOR THE SAN FRANCISCO TO SAN JOSE LOCAL TRAIN

Compared to 100 minutes today

##### 21 MINUTES SAVED FOR THE SAN FRANCISCO TO GILROY TRIP

Compared to a 2+ hour trip today

#### RIDE MORE, WAIT LESS

##### TRAINS EVERY 30 MINUTES ON WEEKENDS NORTH OF SAN JOSE

Compared to hourly service today

##### TRAINS EVERY 30 MINUTES DURING MID-DAY AND EVENINGS NORTH OF SAN JOSE

Compared to hourly service at most stations today

##### TRAINS EVERY 15 TO 20 MINUTES DURING PEAK HOURS\* AT 16 STATIONS

Compared to 7 stations today

#### CLEAN AND GREEN

##### ALL-ELECTRIC TRAIN SERVICE FROM SAN FRANCISCO TO SAN JOSE

Annual emissions reduced by 250K MTCO<sub>2</sub>, equivalent to taking 55,000 cars off the road

#### FIRST CLASS SERVICE

##### STATE-OF-THE-ART VEHICLES FOR SMOOTHER RIDES

Free Wi-Fi, outlets at every seat, spacious accessible bathrooms, and digital displays with trip information

\*PEAK HOURS VARY BY STATION, GENERALLY COVERING 6:30AM-9:30AM AND 3PM-7PM ON WEEKDAYS. NOTE: TRAVEL TIMES MAY CHANGE PENDING FURTHER ELECTRIC TRAIN TESTING.

#### FOR MORE INFORMATION

[caltrain.com/electrification](http://caltrain.com/electrification)

[calmod@caltrain.com](mailto:calmod@caltrain.com)



# CALTRAIN ELECTRIFICATION PROJECT

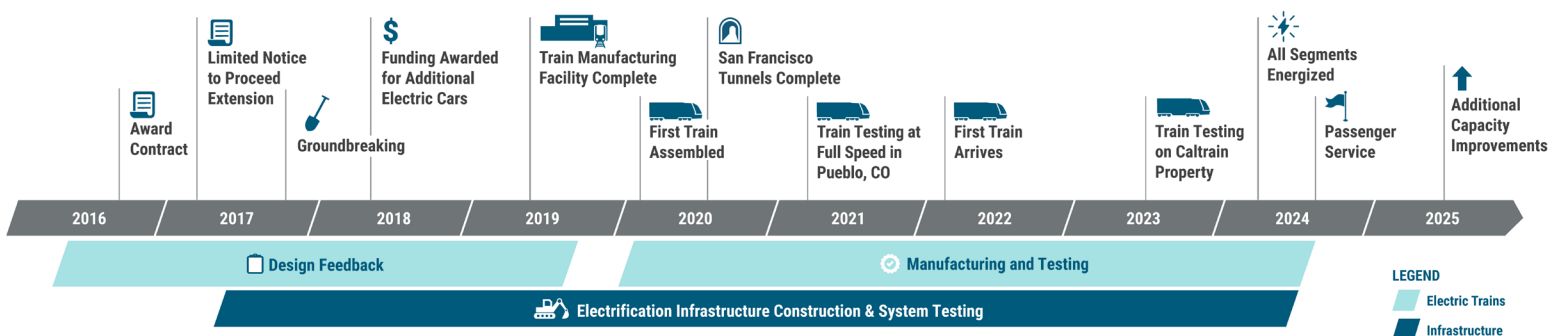
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### PROJECT BENEFITS

Electrification will modernize Caltrain and make it possible to increase service while offering several advantages in comparison with existing diesel power use, including:

- **Improved Train Performance and Increased Flexibility and Capacity:** Electric trains can accelerate and decelerate more quickly than diesel-powered trains, allowing Caltrain to run more efficiently. In addition, because of their performance advantages, electric trains will enable more frequent and/or faster train service for more riders and provide more flexible service for essential workers and those who travel during non-commute hours.
- **Improved Regional Air Quality and Reduced Greenhouse Gas Emissions:** The project will reduce air pollution in communities of concern, as electric trains produce substantially less corridor pollution compared with aging diesel trains, allowing communities to breathe easier. In addition, electrification will eliminate 2.09 million tons of greenhouse gas emissions, helping to meet the state's emissions reduction goals.
- **Reduced Engine Noise Emanating from Trains:** Noise from electric train engines is measurably less than diesel train engines. Train horns will continue to be required at grade crossings, consistent with safety regulations.
- **Positive Economic Benefits:** Electrification is creating nearly 33,000 jobs locally and across the U.S. The high-performance trains are being assembled in Salt Lake City, Utah, with parts and components from skilled craftspeople in 36 states. Engineers and construction crews are currently designing and installing clean infrastructure along the Caltrain right-of-way.
- **Setting the Foundation for Future Growth:** Electrification is the first step towards Caltrain's Long-Term Service Vision that when fully achieved in 2040 will provide electrified rail service from Downtown San Francisco to Gilroy, improve regional and statewide connectivity, reduce GHG emissions, and support additional capacity – the equivalent of adding 5.5 new freeway lanes worth of capacity to U.S. 101.

### MILESTONES



### FOR MORE INFORMATION

 [caltrain.com/electrification](https://caltrain.com/electrification)

 [calmod@caltrain.com](mailto:calmod@caltrain.com)

