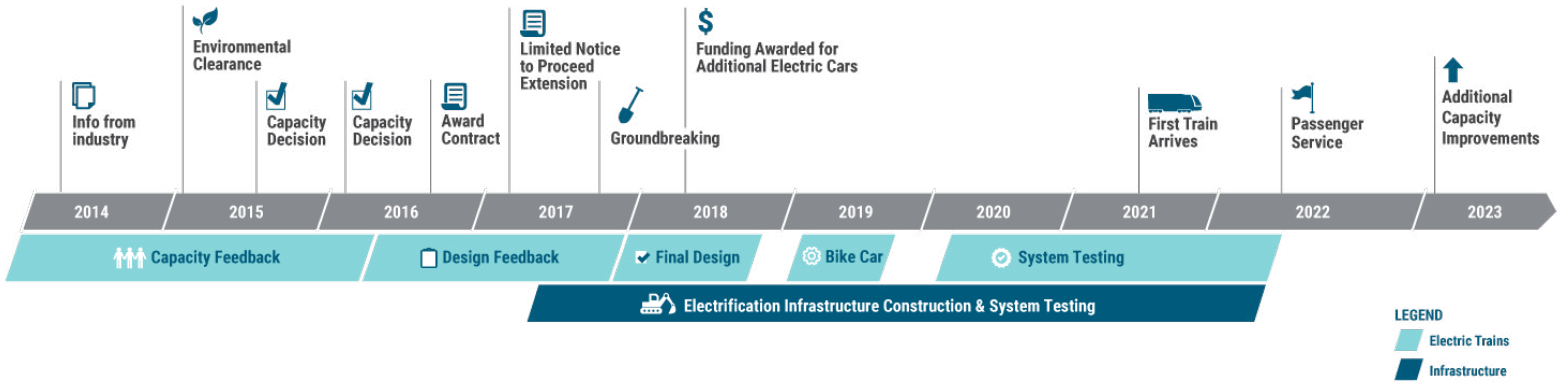




CALTRAIN ELECTRIFICATION PROJECT

PROJECT FACTSHEET
January 2020

MILESTONES



KEY REGIONAL BENEFITS

REDUCED ANNUAL GREENHOUSE GAS EMISSIONS



REDUCED ENGINE NOISE



DECREASED TRAFFIC CONGESTION



INCREASED DAILY RIDERSHIP CAPACITY



REGIONAL ECONOMIC BENEFITS



MORE FREQUENT & FASTER TRIPS

FOR MORE INFORMATION

www.calmod.org

calmod@caltrain.com

650.399.9659

Para traducción llama al 1.800.660.4287
 如需翻譯,請電 1.800.660.4287
 Cần dịch thuật, xin gọi 1.800.660.4287

Project Outreach Office
 2121 S. El Camino Real,
 Bldg A, Ste A-100
 San Mateo, CA 94403



CALTRAIN ELECTRIFICATION PROJECT

FACT SHEET | January 2020

PROJECT OVERVIEW

Over the last decade, Caltrain has experienced a substantial increase in ridership and anticipates further increases in ridership demand as the Bay Area's population grows. Caltrain electrification, scheduled to be implemented in 2022, will electrify and upgrade the performance, operating efficiency, capacity, safety and reliability of Caltrain's commuter rail service.





Electrification is a key component of the Caltrain Modernization Program and consists of replacing Caltrain's diesel trains with electric trains for services between the Fourth and King Street Station in San Francisco and the Tamien Station in San Jose. The project will entail the installation of new electrical infrastructure and the purchase of electric vehicles. Caltrain will continue Gilroy service and tenant use.

PROJECT BENEFITS


An electric Caltrain will better address Peninsula commuters' vision of an environmentally-friendly, fast, reliable service. 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, Increased Ridership Capacity and Increased Service:** 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 to more riders.
- **Increased Revenue and Reduced Fuel Cost:** An electric Caltrain will increase ridership and fare revenues while decreasing fuel costs.
- **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.
- **Improved Regional Air Quality and Reduced Greenhouse Gas Emissions:** Electric trains will produce substantially less corridor air pollution compared with diesel trains, even when the indirect emissions from electrical power generation are included. Increased ridership will reduce automobile usage, resulting in additional air quality benefits. In addition, the reduction of greenhouse gas emissions is not only good for our regional air quality, but will also help meet the State's emission reduction goals.
- **Positive Economic Benefits for the Region:** Electrification improvements also create regional job opportunities and other valuable economic benefits that are critical to the economic welfare of our region and our state.

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