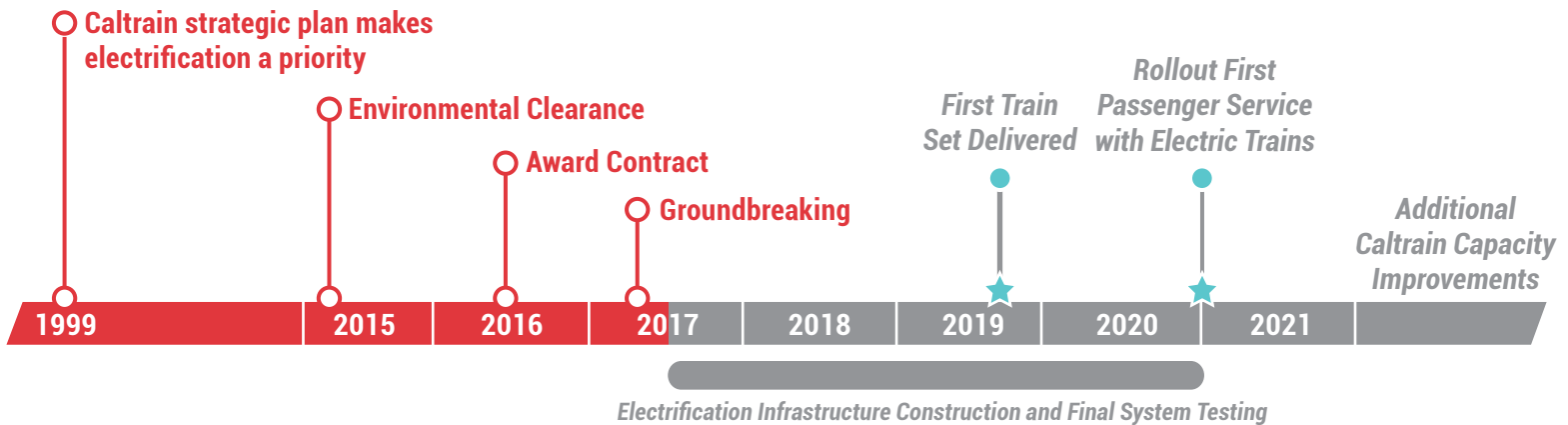




CALTRAIN ELECTRIFICATION PROJECT

STATUS UPDATE | July 2017

MILESTONES



KEY REGIONAL BENEFITS 2040

GREENHOUSE GASES (ANNUAL)

176,000
METRIC TONS CO₂



DIESEL TO ELECTRIC

LOWER
FUEL COSTS



TRAFFIC CONGESTION

619,000
VEHICLE MILES



21%
INCREASE

DAILY RIDERSHIP



\$2.5
BILLION

ECONOMIC BENEFITS



MORE SERVICE

MORE FREQUENT & FASTER TRIPS

FOR MORE INFORMATION

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Para traducción llama al 1.800.660.4287
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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 by 2020/early 2021, will electrify and upgrade the performance, operating efficiency, capacity, safety and reliability of Caltrain's commuter rail service.



Caltrain electrification is a key component of the Caltrain Modernization Program and consists of converting Caltrain from diesel-hauled to Electric Multiple Unit (EMU) 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 electrified vehicles. Caltrain will continue Gilroy service and support existing service areas.

PROJECT BENEFITS

An electrified 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:** Electrified trains can accelerate and decelerate more quickly than diesel-powered trains, allowing Caltrain to run more efficiently. In addition, because of their performance advantages, electrified trains will enable more frequent and/or faster train service to more riders.
- **Increased Revenue and Reduced Fuel Cost:** An electrified Caltrain will increase ridership and fare revenues while decreasing fuel costs.
- **Reduced Engine Noise Emanating from Trains:** Noise from electrified 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:** Electrified 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.

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