

CALTRAIN ELECTRIFICATION PROJECT

FACT SHEET | July 2023

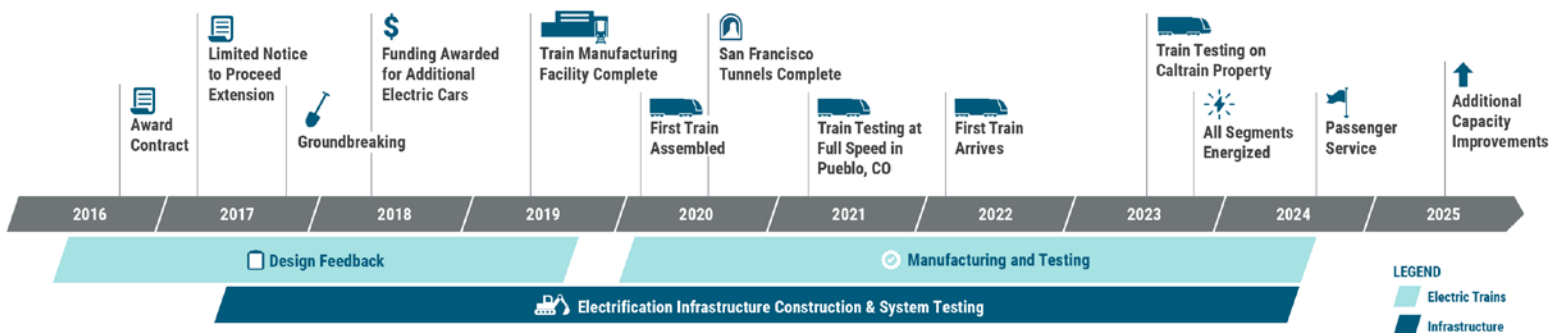
PROJECT BENEFITS

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

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