

## ELECTRIC TRAINS FAQ

### WHAT IS AN ELECTRIC MULTIPLE UNIT (EMU)?

An EMU, or electric train, refers to the ability to couple multiple units into a train set and have them controlled from a cab at each end of the train. The improved performance of these vehicles provides shorter trip times over diesel trains and electric locomotive hauled trains, especially when multiple stops are made (local service). As a commuter rail, Caltrain makes frequent stops, especially when providing local service, making electric trains the ideal train type for Caltrain.

### WHY WERE ELECTRIC TRAINS SELECTED FOR CALTRAIN SERVICE?

By electrifying, Caltrain will modernize the system and make it possible to increase service levels while offering several advantages in comparison with existing diesel power use. The performance advantages of electrified trains will enable more frequent and/or faster train service to more riders and will provide increased capacity for the system. Electrified operations will also provide improved regional air quality while reducing costs for the agency.

### WHEN WILL THE ELECTRIC TRAINS BE PLACED INTO SERVICE?

The first electric trains are scheduled to arrive in 2019. Following reliability and safety testing, the first passenger service on the new trains is scheduled to begin in 2020/2021.

### HOW MANY ELECTRIC TRAINS IS CALTRAIN PURCHASING?

Caltrain is purchasing 96 cars which will provide a total of 16 six-car trains. Caltrain has the option to purchase an additional 96 cars at a later date.

### HOW FAST WILL THE ELECTRIC TRAINS TRAVEL?

The new electric trains will continue to operate at speeds up to 79 mph with the capability to reach higher speed operations in the future.

### WHAT WILL BE THE CAPACITY OF THE ELECTRIC TRAINS?

To learn more about the capacity improvements of the Peninsula Corridor Electrification Project, [click here](#).

### WILL THERE BE ELECTRICAL OUTLETS ONBOARD FOR RIDERS?

Yes, electrical outlets will be provided underneath the seats for riders to charge their phones, laptops and other electronic devices.

### WILL THE NEW ELECTRIC TRAINS BE MADE IN AMERICA?

Yes, the trains will be built in Utah by Stadler US Inc. The Peninsula Corridor Electrification Project (PCEP) will create over [9,600 direct and indirect jobs across the United States](#).

### WILL THERE BE A BATHROOM ONBOARD?

Yes, each train will have one accessible bathroom onboard.

### WHAT WILL THE ELECTRIC TRAINS LOOK LIKE?

Caltrain will be engaging riders and the public on several key design components, including seat colors, bike stands and luggage racks. The colors of the exterior, walls and floors will be selected based on operational factors, including maintenance, durability, and longevity.

### WILL THE NEW ELECTRIC TRAINS BE COMPATIBLE WITH LEVEL BOARDING IN THE FUTURE?

Level boarding is a future goal of Caltrain which will require additional funding and planning. The new electric trains will not preclude level boarding at a future date.

### WHAT SIGNAGE WILL BE ONBOARD?

The electric trains will have both interior and exterior signs to provide customers with relevant information. The content and layout of the signs will be determined as design advances.

## **WILL THERE BE WIFI ONBOARD THE NEW TRAINS?**

No, however, the electric trains will be WiFi ready should Caltrain decide to implement WiFi in the future.

## **WILL ALL THE CARS BE ADA ACCESSIBLE?**

Yes, all cars will be meet the requirements of the Americans with Disabilities Act and will be accessible to persons using wheelchairs and other mobility devices.

## **HOW WILL PASSENGERS USING A WHEELCHAIR OR MOBILITY DEVICE BOARD THE NEW ELECTRIC TRAINS?**

Passengers using a wheelchair or mobility device will be able to use the mini-high wheelchair ramp or the mobile platform wheelchair lift to board the new electric trains.

## **WILL THERE BE SPECIFIED BICYCLE CARS?**

Yes, there will be two bike cars per train.

## **HOW WILL BICYCLES BE STORED ONBOARD?**

Caltrain will be engaging riders and the public in selecting the final onboard bicycle storage options.

## **WHAT WILL BE THE BICYCLE CAPACITY FOR THE NEW ELECTRIC TRAINS?**

Caltrain is striving for a seat to bike ratio of 8:1; however, bicycle capacity onboard the new trains will be dependent on the final storage option the bike community and public selects.