**CALTRAIN ELECTRIFICATION PROJECT**

**PROJECT FACTSHEET**

January 2020

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**MILESTONES**

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<td><img src="#" alt="Info from industry" /></td>
<td><img src="#" alt="Capacity Decision" /></td>
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<td><img src="#" alt="Award Contract" /></td>
<td><img src="#" alt="Limited Notice to Proceed Extension" /></td>
<td><img src="#" alt="Groundbreaking" /></td>
<td><img src="#" alt="Funding Awarded for Additional Electric Cars" /></td>
<td><img src="#" alt="First Train Arrives" /></td>
<td><img src="#" alt="Passenger Service" /></td>
<td><img src="#" alt="Additional Capacity Improvements" /></td>
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<td>Capacity Feedback</td>
<td>Design Feedback</td>
<td>Final Design</td>
<td>Bike Car</td>
<td>System Testing</td>
<td>Electrification Infrastructure Construction &amp; System Testing</td>
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**LEGEND**

- Electric Trains
- Infrastructure

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**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**

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**FOR MORE INFORMATION**

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- **650.399.9659**
- **calmod@caltrain.com**
- **Project Outreach Office**
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January 16, 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.

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.