Caltrain Electrification Project Update

Peninsula Corridor Joint Powers Board

September 5, 2024

Agenda Item #15

Project Highlights

Caltrain

Project Highlights

- Schedule: No change to revenue service date – September 21, 2024

- Budget: No change to project budget - $2.44B
  - $4M July 2024 draw from "$50M Shared Risk Pool"
  - No draw in July 2024 from "$40M Project Contingency"

- Testing, Punchlist & Pre-Revenue Service
  - Final Acceptance – September 6, 2024 (Contractual)
  - Inaugural Ride – August 10, 2024
  - Successful Soft Launch – August 11, 2024

- Electric Trains
  - Eleven Electric Trainset Completed 1,000-Mile Test
  - Fourteen Trainsets Delivered
  - Next Two Trainsets Expected Early September 2024

Soft Launch Observations

- Traction Electrification System is operating as designed with no issues

- Electric Trains have had minor issues as expected at the start of introducing them into service.

- All items being tracked and addressed with necessary parties, including Stadler

- Overwhelming positive response from public and media on rollout

goldinpeace · 21h
The new electric Caltrains are so quiet you don't even need noise canceling headphones 🐐 🚉
♥ 55   💬 4   🔁 1

tanabe.t 12h
Who loves the new electric @gocaltrain trains? Me!
♥ 14   💬 2   🔁 1

itsdavetm · 6d
Looks what pulled up to pick me up this morning 🚨 😍
We have electronic signs on @gocaltrain!
♡ 75   💬 5   🔁 1

08-19-2024 | IMPACT

California's new electric train makes for a shockingly better trip — we tried it

Caltrain's electric trains started rolling out last week. The advantages go far beyond just cutting CO2 emissions.

FAST COMPANY

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Safety and Security

Time Period	Reportable Injury Rate
January 1 to July 31, 2024	0.92
Since Project Start (2017)	1.82

Note: National Average Reportable Injury Rate is 2.4.

- One reportable injury in July 2024

- 30 school outreach tabling/presentations completed

- Project Safety Awareness trainings ongoing for Local Fire and Police Departments (1,000 emergency responders trained to date)

- Completed 25kV training for all TASI and tenant railroad staff

- Development of emergency responder safety presentation for local first responders

Project Contingency and Shared Risk Pool

Item	Amount	Drawn in July 2024	Drawn To Date	Amount Remaining
BBII Shared Risk Pool	$50.00M	$4.00M	$21.19M	**$28.81M**
Project Contingency	$40.00M	($0.00M)	$37.93M	**$2.07M**
Total	**$90.00M**	**($0.00M)**	**$59.11M**	**$30.89M**

Note: Ongoing program needs beyond revenue service date to close out the project. Both parties need to agree to release the shared risk pool funds upon Final Acceptance.

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Top Risks

- Theft of Impedance Bonds Cables

- Closeout of Open Traction Power System Items

- Closeout Punchlist and Documentation before Final Acceptance

Service Changes and Customer Experience

Electrified Service Plan Benefits
Final Schedule Posted at caltrain.com/status

Get There Faster

Express from SF to SJ in under an hour

Quicker local service, 77 minutes instead of 100

Save more than 20 minutes on trips from Southern Santa Clara County to SF

Ride More, Wait Less

20% more train service

26% more train service at equity priority stations

Half-hourly service during weekends and off-peak

First Class for Everyone

Free Wi-Fi

Smoother, quieter experience

Outlets at every seat

Digital trip information onboard

Spacious, accessible bathrooms

Clean and Green

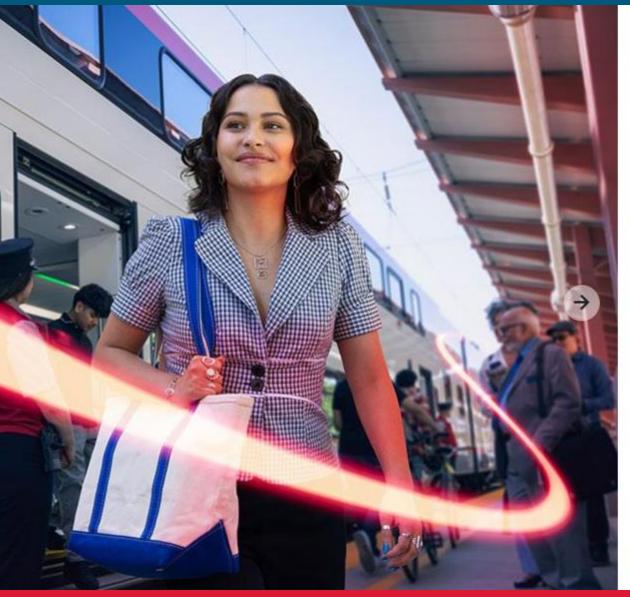GHG emissions reduced by 250K MTCO2 annually –equivalent to taking 55,000 cars off the road each year

Improves local air quality

Quieter trains, both onboard and off

Caltrain

Caltrain Go Marketing Campaign
caltrain.com/go

Go Faster. Go Caltrain.

A faster, more frequent, first-class experience for everyone.

Why drive when Caltrain's new trains can get you from San Francisco to San Jose in under an hour! Starting this September, you can count on fast, frequent, state-of-the-art electric trains arriving every 15-20 minutes during weekday rush hours and every 30 minutes during weekends, midday, and evenings.

And did we mention that our new trains have free Wi-Fi, outlets at every seat, bathrooms, and digital displays to make your ride better than ever? So redefine your ride and your quality of life by jumping on board the new Caltrain!

SNEAK PEEK OF YOUR NEW COMMUTE   **SUBSCRIBE**

September Launch Parties - September 21 & 22
caltrain.com/launchparty

- **Main Events:**
  - Palo Alto Station on September 21 from 2-6p
  - San Mateo Station on September 22 from 2-6p
- Additional events at stations along the corridor
- Launch of Full Electric Service
  - New service schedule released on 8/26
- Free Caltrain Rides – more details to come

Upcoming Board Items

Caltrain

Upcoming Board Items

- Final Monthly PCEP Update in October

- Monthly Memos After October

PCEP Project – Construction Update

Board of Directors Update

September 5, 2024

Balfour Beatty

Focus Areas

- Continue viewing everything thru the Zero Harm lens
  - ▹ YTD RIR – .82
  - ▹ Project Total - 1.61
  - ▹ 0 - Recordables and Lost Times For August

- Punchlist Execution
  - ▹ 100% of the areas walked & punch list established
  - ▹ 97.5% punch list items complete

- Final Inspections and Final Clean Walk Outs
  - ▹ To be complete by 9/6

- Final As-Built Reviews

- Continue to measure what we do every day

Overall Path to Final Acceptance

Revised Path to Completion - Weather Event 02.04.2024	January	February	March	April	May	June	July	August	September
OCS Main Line Completion - **COMPLETE**			■						
Complete Re-Build for San Antonio & Burlingame/Re-Test		■■■	■■						
OCS Panning/Loop/HighPot Testing Complete	■■■	■							
OCS SF Station Completion	■■■								
Sectionalization Testing	■■	■							
SCADA Testing Complete	■■								
Parallel Station Complete									
Wayside Power Cabinets Complete									
Short Circuit Testing		■	■						
Segment 1 & 2 Live Run Test				■					
End to End Test				■					
Substantial Completeion Documents Complete	■■■	■	■						
Substantial Completion					■				
Punchlist Complete	■■■	■■	■■	■■	■■	■■	■■	■■	
Final Acceptance Documents Complete	■■■	■■	■■	■■	■■	■■	■■	■■	▰▰▰
Final Acceptance									▰

Final Acceptance Path

- Resolving Legacy QC Issues

- Punchlist Completion/Acceptance

  ▹ 97.5% - Complete

- As-Built Finalization

  ▹ Target 9/6 Completion

  ▹ 39 of 41 Packages – 95% Complete