Caltrain Electrification Update

July 20, 2017

PCEP Funding Update

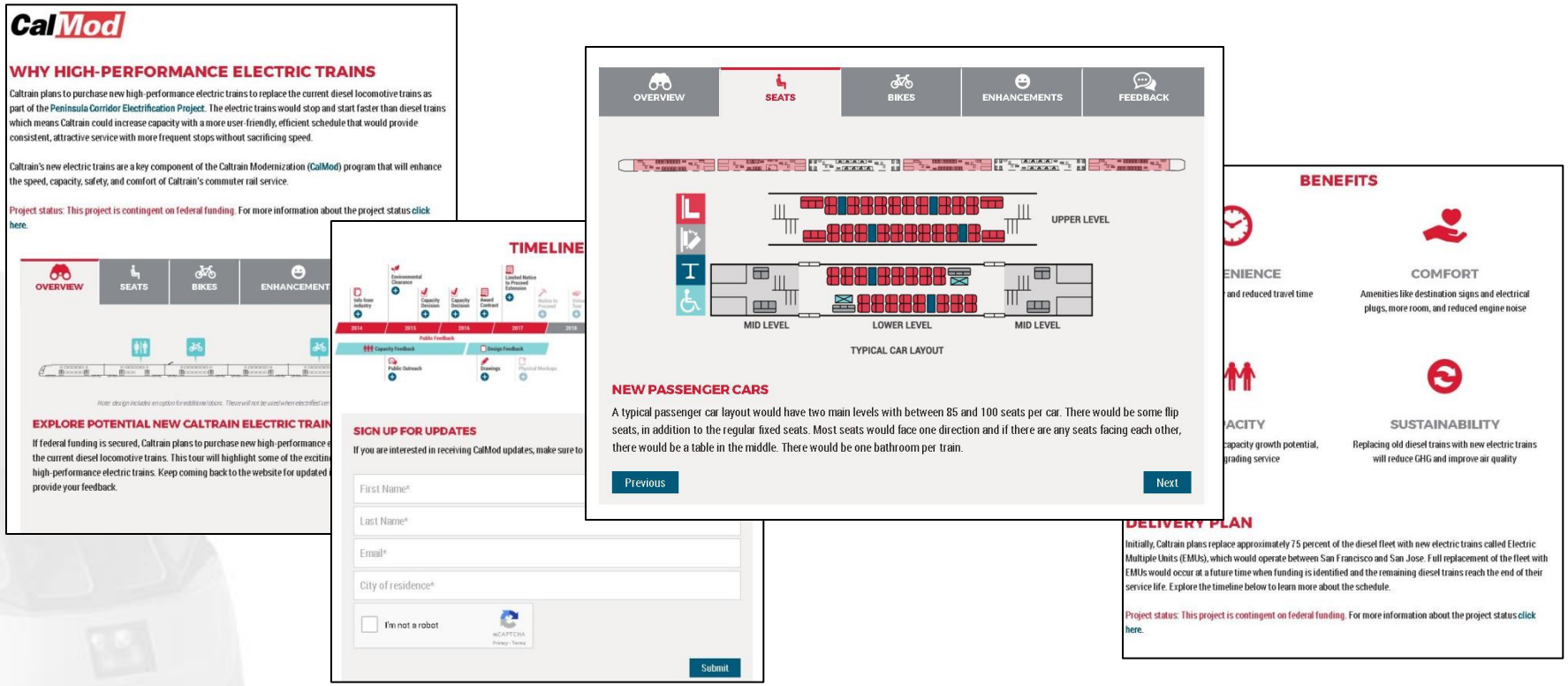
Funding Update

- All Local, Regional, State Funding Secured
- FTA Core Capacity Grant ($647m) executed
  - $73 approved previous years
  - $100m approved FY 2017 Budget
  - $100m recommended FY 2018 Budget
- Notices to Proceed issued to train and infrastructure builders

Electric Train Design

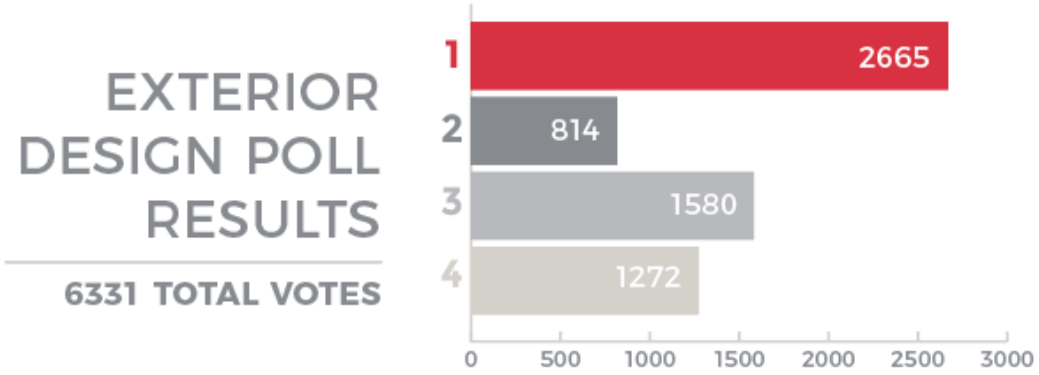
Outreach Tools

Launch of Dedicated Electric Train Website



www.calmodtrains.com

EMU Exterior Design Public Poll



EMU Exterior Design Winning Design

OnBoard Bike Storage

Review of Recommended Storage Options

Option	Configuration	Bike Capacity	Add'l Hooks	Total Capacity Per Car	Ratio
1	Stacking (current)	32	4	36	1 : 7.9
2	Hybrid: Stacking + Stand	30	4	34	1 : 8.4

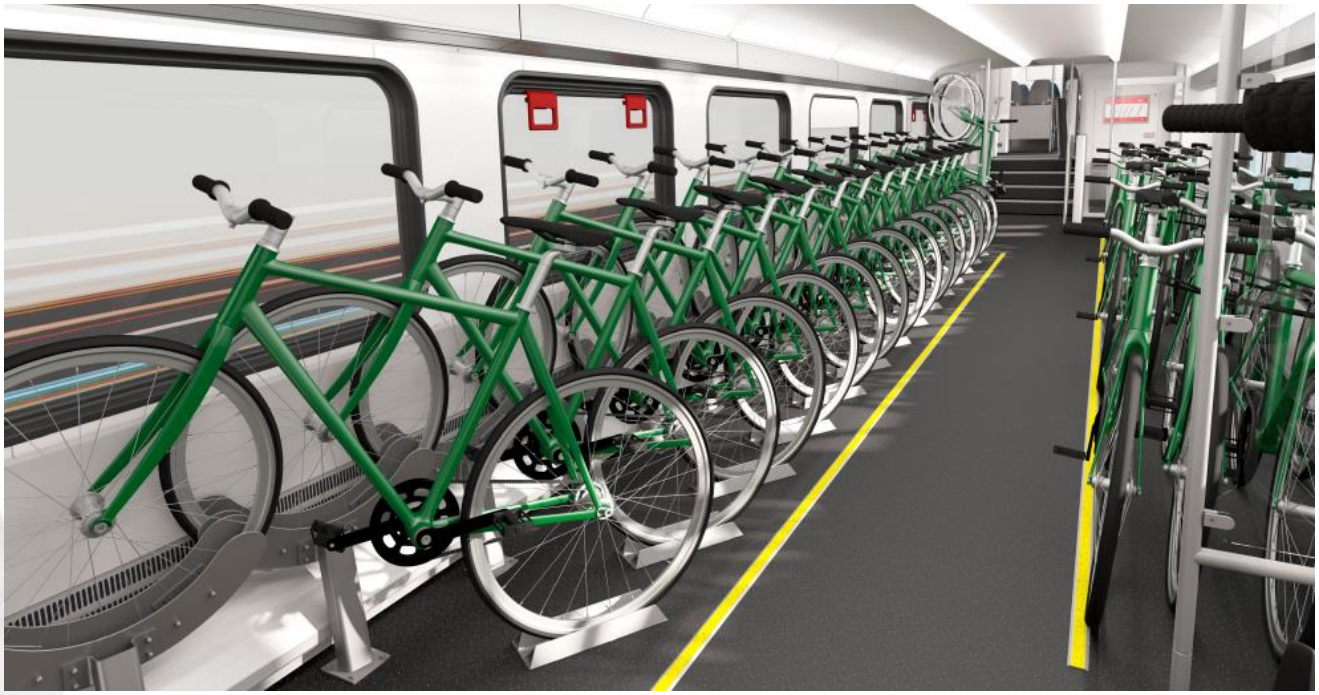
Review of Option 1: Stacking

Recommended

Ratio 1:7.9
72 bikes per train

Review of Option 2: Hybrid Stacking + Stand

Recommended



Ratio 1:8.4 68 bikes per train

Stand: new concept, not currently in use

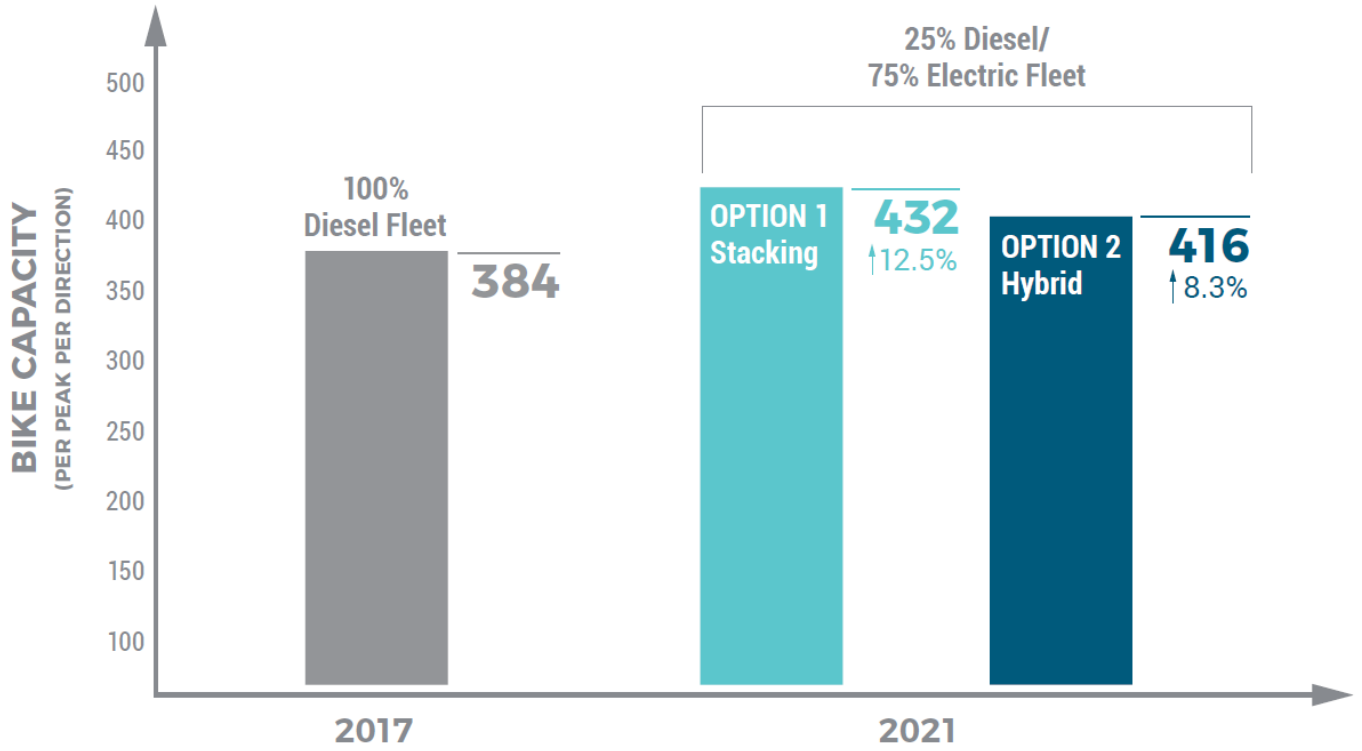
Hooks

- Signage will be posted
- Hooks offer alternative storage option
- Some riders may prefer hooks
- Users encouraged to stay near bike

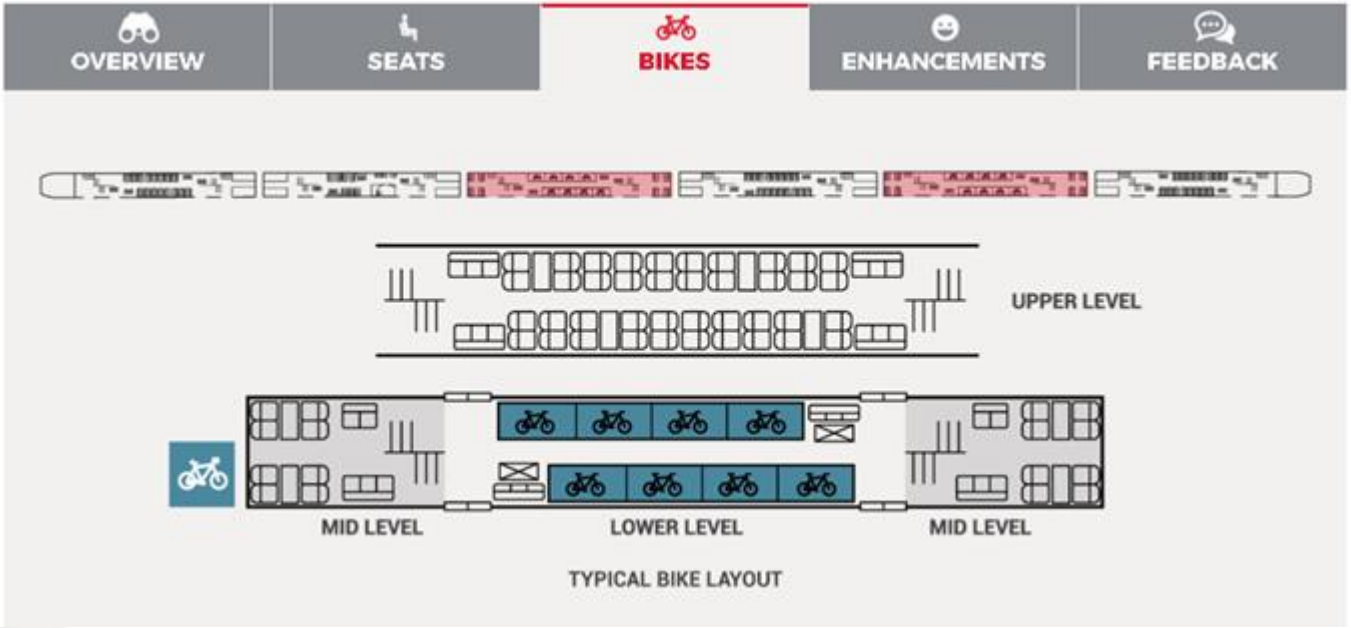
Security

- Security cameras in each car
- Possible closed loop security camera to upper level monitors
- Staff to conduct research/mock-up of closed loop possibility for both security and operational flow (de-boarding process)
- Staff exploring monitor capabilities

BIKE CAPACITY



Bike Car Configuration



Why Two Bike Cars v. Three?

Capacity

- Current trains at or above capacity (at peak hour)
- 3 bike cars = loss of seat capacity
- 3 bike cars = loss of standing capacity
- Project funding tied to capacity increase

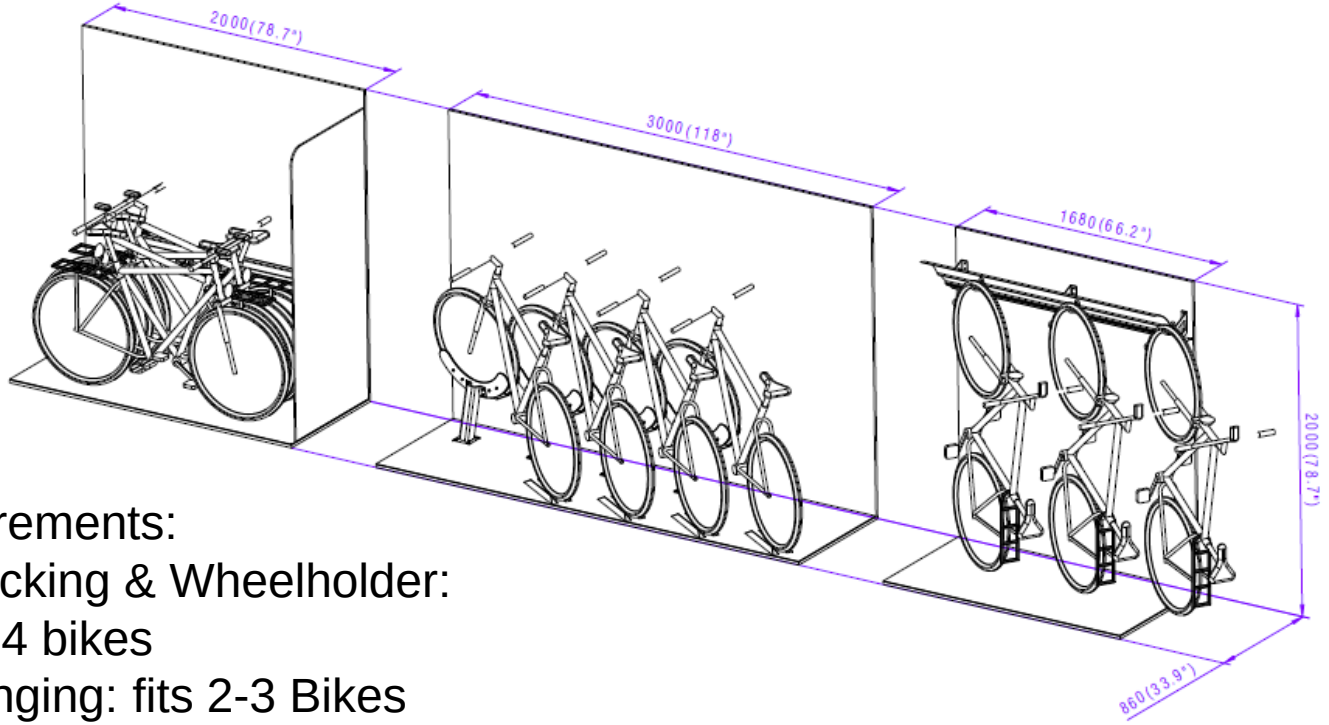
Why Two Bike Cars v. Three?
Continued

- Operations
  - 2 cars more efficient
  - Increased dwell time if 3 bike cars
- Conductor service
  - Limited resources
  - 2 conductors maintains service. 3 bike cars difficult on resources

Timeline Overview

- **Samples Arrive: early August 2017**
- **Outreach Events & Poll: August 2017**
- **BAC August special meeting OR combine with Sept. meeting**
- **Determination: September 2017**

Draft Samples



Requirements:

- Stacking & Wheelholder: fits 4 bikes
- Hanging: fits 2-3 Bikes
- Breakdown & Set-up Easily
- Fit/transport through Door

Outreach Events

Tentative based on samples

Date	Time	Event
August 8	9:00 a.m – 6:00 p.m.	Silicon Valley Bike Summit Mt. View
August 9	4:30 p.m. – 7:00 p.m.	4th & King Station outreach
August 14	4:30 p.m. – 6:30 p.m.	Redwood City Station outreach
August 15	4:30 p.m. – 7:00 p.m.	Palo Alto Station outreach
August 16	5:30 p.m. – 8:00 p.m.	Menlo Park Block Party
August 17	TBD	Final Installation Outreach Office
August 24 OR Sept. 7	5:45 p.m.	BAC Special Meeting or Combined Sept. Meeting

Poll: Tentative Dates

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Outreach Discussion