

Rail Activation Management Program (RAMP) Update

June 2024 JPB Meeting



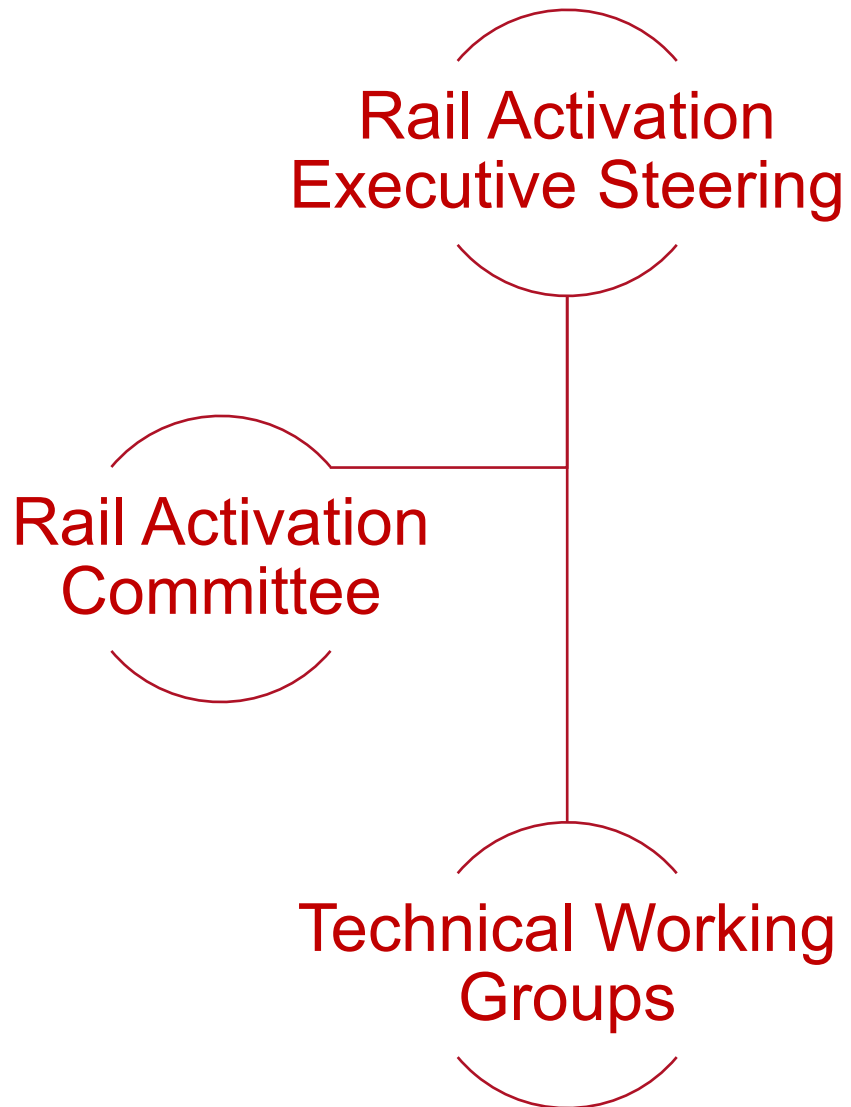
Agenda

- **Purpose and Objectives**
- **Scorecard**
- **Soft Launch**
- **Marketing**
- **Recent Activities**
- **Upcoming Activities**

Rail Activation Purpose

- Establish clear goals, roles and responsibilities to ensure readiness for electrified passenger service
- Develop a comprehensive understanding of all necessary start-up activities for revenue service
- Ensure buy-in from full organization for the transition from construction to operations and maintenance

RAMP Organization Structure



Meeting Frequency: Weekly

Scope: Management Capacity & Capability, Contracting, Budget, Schedule and Milestones

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Scope: System Safety & Security, Rail Operations, EMU Delivery and Burn In, Facilities, O&M Manuals, Training and Certification, Spare Parts, CEMOF Readiness, Station Readiness, Community Outreach, Third-Party Coordination, Revenue Service Readiness, Schedule

Meeting Frequency: As needed

Scope: Scheduling, Communications, Systems & Technology, Finance, Risk, Traction Electrification System O&M, Soft Launch Planning

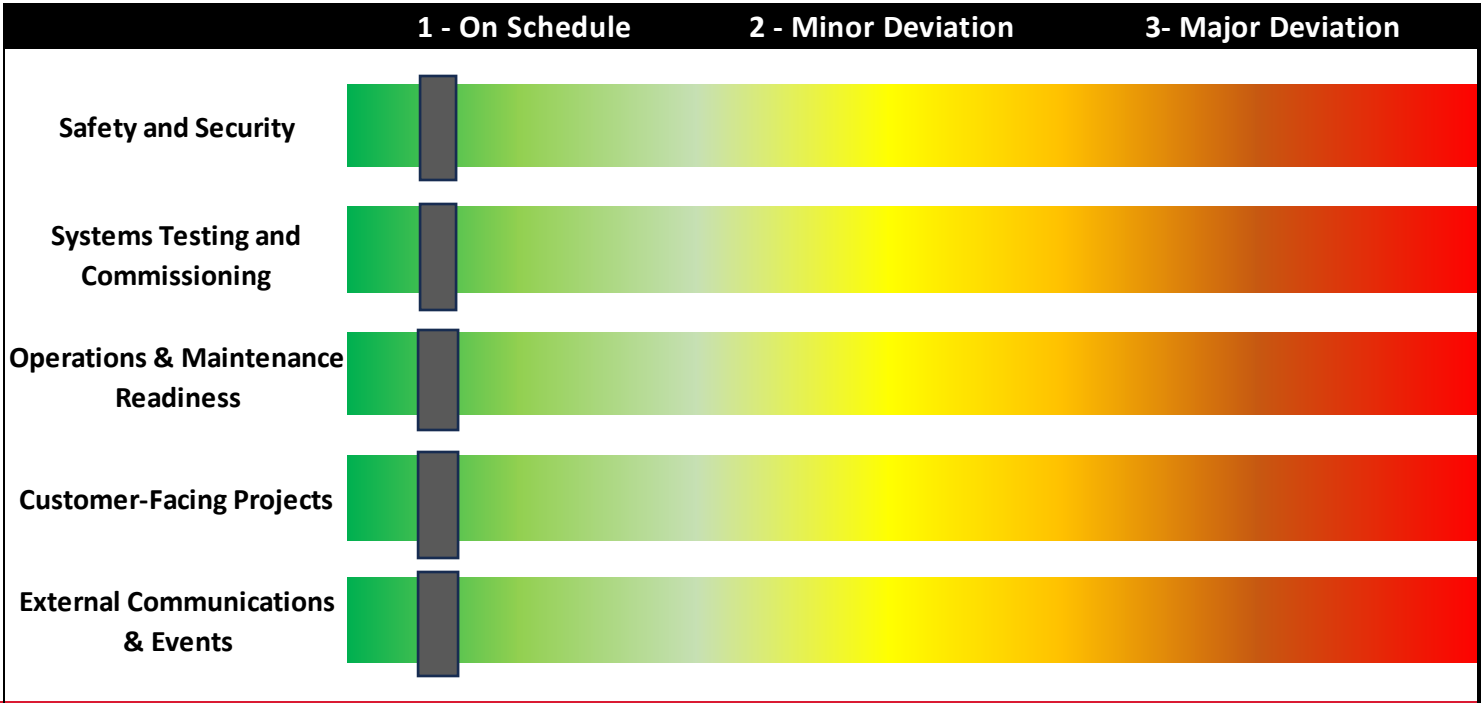
RAMP Scorecard

Rail Activation Management Program (RAMP)

- RAMP reporting identifies critical activities essential for a successful public launch
- The RAMP Scorecard includes the following information:
 - Safety and Security
 - Systems Integration and Testing
 - Operations & Maintenance Readiness
 - Customer-Facing Projects
 - External Communications and Events

RAMP Scorecard – Heat Map

HEAT MAP	
Status Reporting Legend	
1 - On Schedule	Item is on schedule and there are no quality/effectiveness issues of concern.
2 - Minor Deviation	There is a minor deviation from the schedule with a recovery plan in place; and/or, There are minor quality/effectiveness concerns with a plan in place to address them.
3- Major Deviation	There is a major deviation from the schedule, recovery will be a challenge; and/or, There are major quality/effectiveness concerns that will be difficult to address; and, Executive support or decision-making may be required.



RAMP Scorecard – Go / No-Go List

GO NO-GO LIST	
Status Reporting Legend	
Go	Ready for Revenue Service
No-Go	Not Ready for Revenue Service

Theme	Criteria for Start of Service	Status	Comments
Safety	Fulfilled all system safety and security certification requirements	No-Go	
	All employees adequately trained	No-Go	
People	Sufficient management capacity and capability to operate system	No-Go	
	Staff and stakeholders: Fully prepared and mobilized	No-Go	
Training	OCS safety awareness provided to emergency response personnel	Go	
	Training programs implemented for Caltrain and TASI employees	No-Go	
Stations	Completed all station walks and critical punch list work	No-Go	
Trains	All 16 EMUs delivered and burned in	No-Go	14 trains plus 2 spares
	Successful completion of Broadband wireless project	No-Go	
Systems	All system integration documentation and testing complete	No-Go	
	System performance during test runs is sufficiently robust/resilient	No-Go	
Operations	Successful completion of Pre-Revenue Operations planning	No-Go	
	Standard and emergency operating procedures have been updated	No-Go	
Maintenance	Warehouse space secured to store spare parts and special tooling	Go	
	Completion of necessary CEMOF improvements to service mixed fleet	No-Go	
Energy	Electricity procurement strategy finalized	No-Go	

Soft Launch Plans

Tentative Proposal

- Mid-August: Introduce first electric train(s) into existing service schedule
- Gradually introduce additional electric trains into service each week
- Goal is to gradually ramp up electric train service over a 4-to-6-week period leading up to late September launch of new service schedule

Benefits of Soft Launch

- **Alleviates Storage Constraints:** Relieves pressure as additional electric trains get delivered, allows them to be kept in more secure locations.
- **Improved Reliability:** Can target early retirement of diesel locomotives that experience more frequent mechanical issues.
- **Staggered Maintenance:** Critical to spread out inspection/maintenance cycles for the electric trains— major inspections at 90/180 days.
- **Service Demonstration:** Soft launch will help further demonstrate capabilities of the Traction Electrification System and new trains before full launch.
- **Ensure a Smooth Transition:** Allows us to identify early challenges and mitigate issues before grand opening. Provides a gradual learning curve for the O&M team.

Predecessor Activities

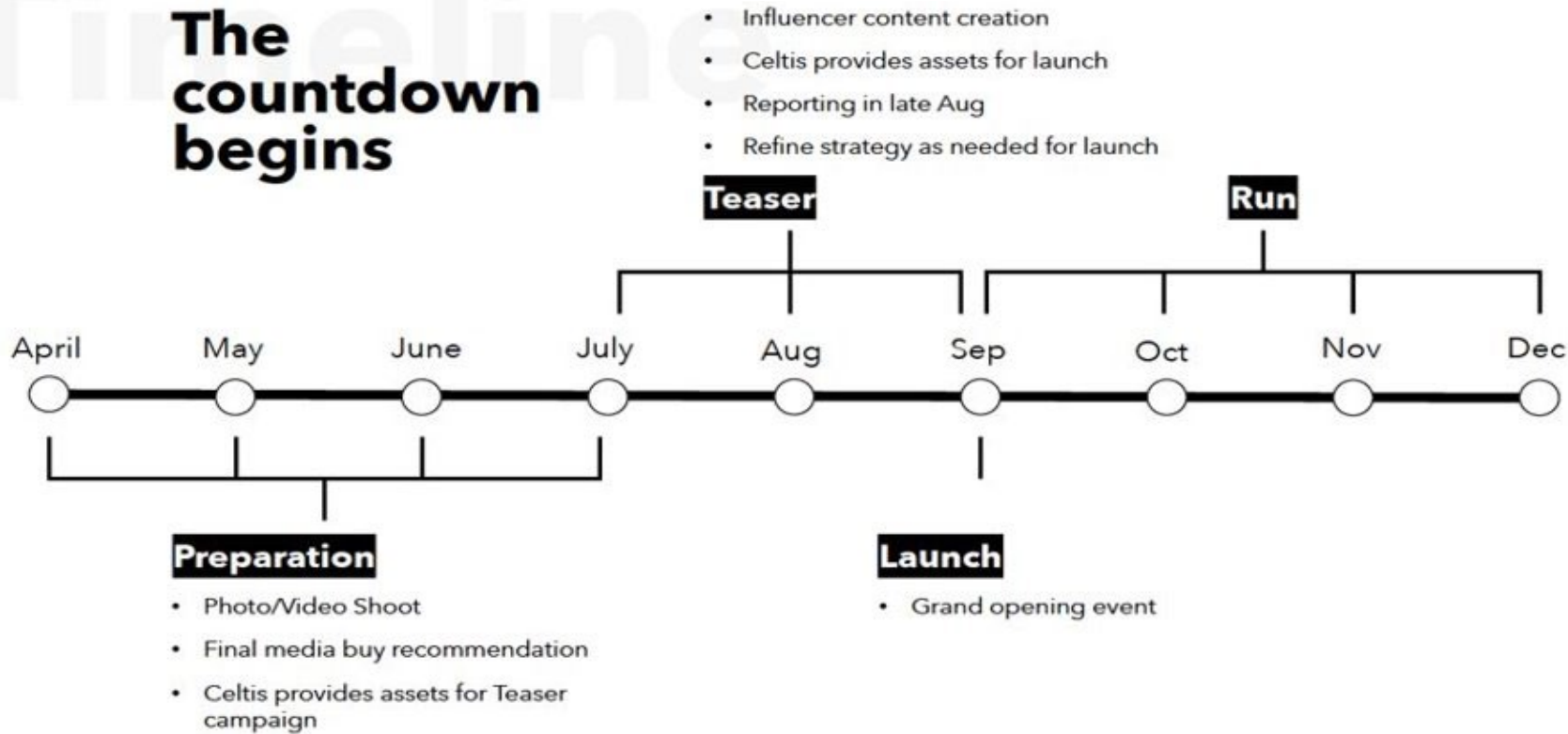
1. **Substantial Completion:** Achieved in May. Critical post-substantial completion activities include O&M training, additional pre-revenue service testing, and punch list items.
2. **Safety Approvals:** Issuance of final safety and security certification
3. **FTA OP-54:** Evaluation of Caltrain's readiness for service
4. **Trains Ready:** Burn-ins completed, Passenger Information System ready (audio/visual announcements, automatic passenger counters)
5. **Industry RFA:** FRA approval of PTC software – July 22 target date
6. **Communication:** Complete outreach to schools and communities
7. **Stations:** Complete targeted improvements

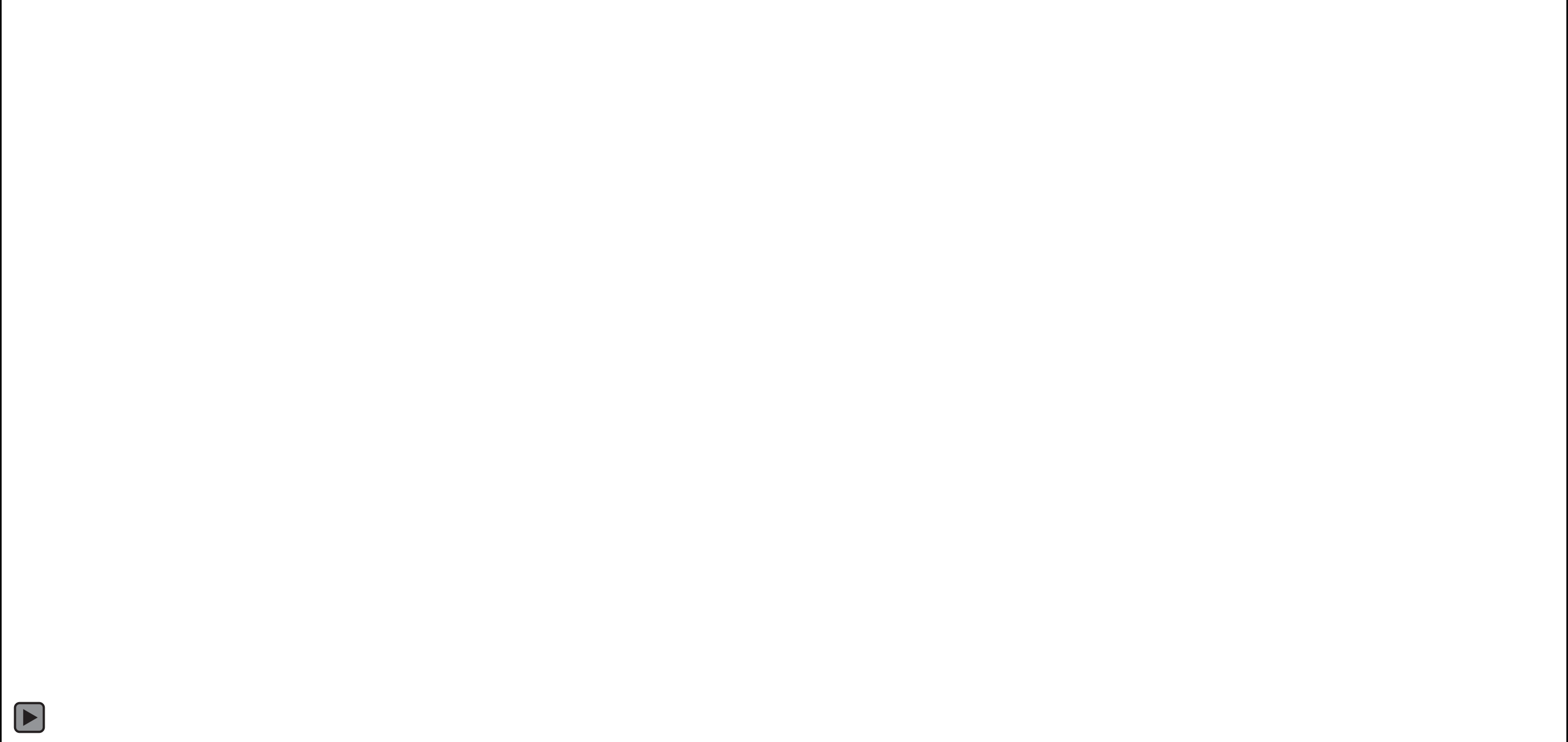
Marketing Campaign

Electrified Service Marketing



The countdown begins





Recent and Upcoming Activities

Recent Activities

- Rail Activation start up costs – identified funding source
- San Mateo County public train tour
- Energy procurement strategy update
- Additional trainsets delivered and burn-in ongoing
- Fleet disposition – initial set of gallery cars moved off property
- Tested on-board audio and visual announcements
- Verification of requisite on-call contract vehicles to support electrified service
- Continue to refine Rail Activation schedule and track progress

Upcoming Activities

- June 8/9 – 8 train power contingency tests, additional schedule verification
- June 11 – Joint tabletop training exercise (Caltrain, BART, San Bruno Fire Department, SamTrans)
- Station enhancements
- O&M plan update
- Electrified service marketing campaign
- OP-54 readiness for service review (ongoing)
- Backoffice technology data management and configuration (ongoing)

FOR MORE INFORMATION

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