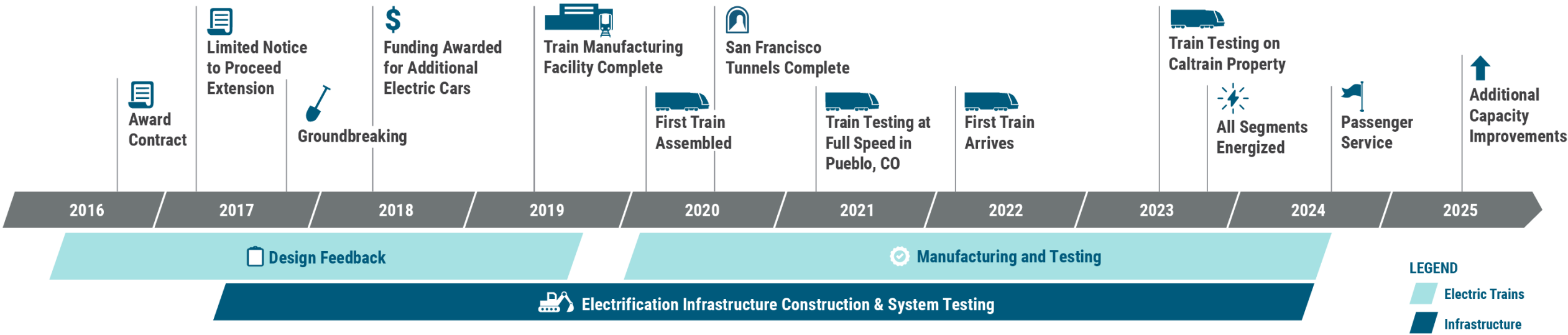# Rail Activation Overview

TOPS Committee
Agenda Item 5
August 30, 2023

Agenda

1. Background & Purpose
2. Rail Activation Scope
3. Process
4. Risks
5. Next Steps
6. Questions/Comments

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Electrification Project Timeline

2016 — Award Contract

2017 — Limited Notice to Proceed Extension

Groundbreaking

2018 — Funding Awarded for Additional Electric Cars

2019 — Train Manufacturing Facility Complete

First Train Assembled

2020 — San Francisco Tunnels Complete

Train Testing at Full Speed in Pueblo, CO

2021

First Train Arrives

2022

2023 — Train Testing on Caltrain Property

All Segments Energized

2024 — Passenger Service

2025 — Additional Capacity Improvements

Design Feedback

Manufacturing and Testing

Electrification Infrastructure Construction & System Testing

LEGEND
Electric Trains
Infrastructure

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
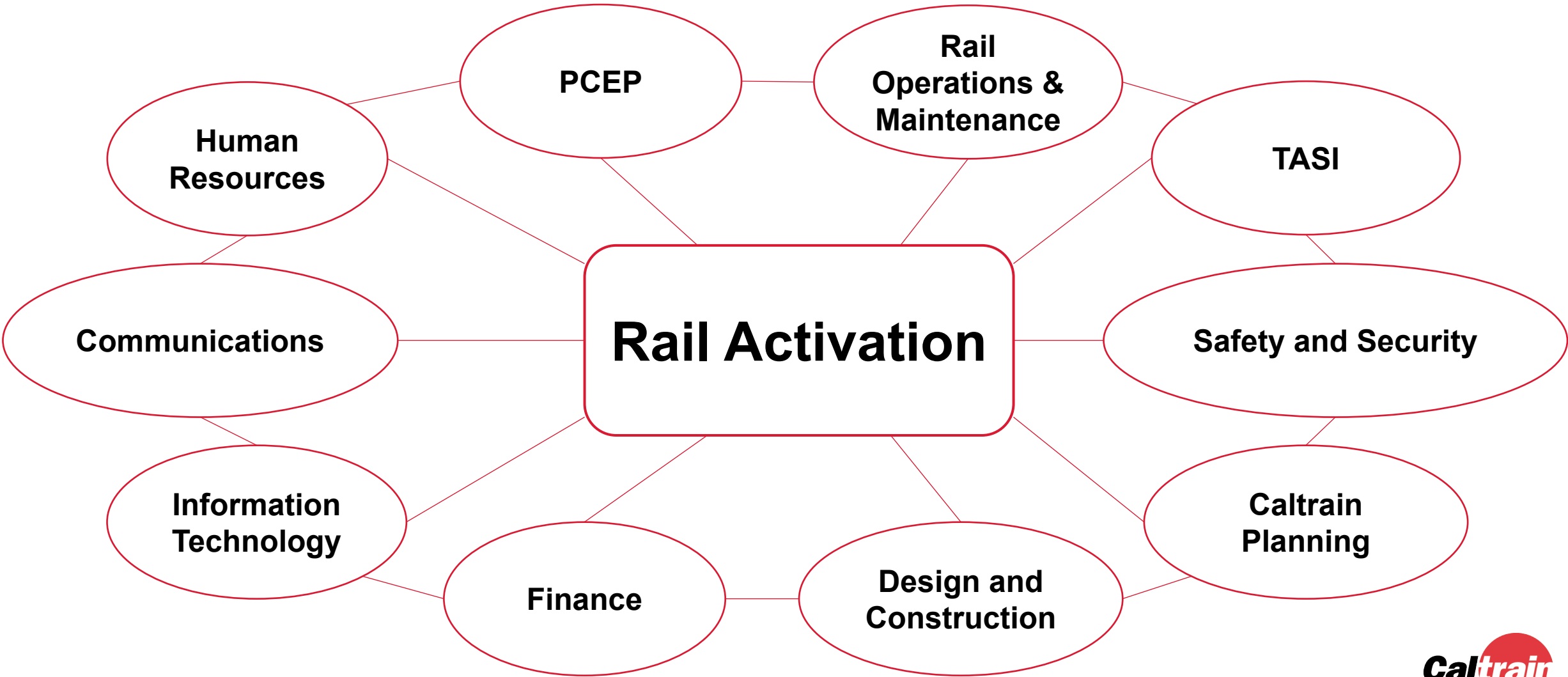
What is Rail Activation?

Rail Activation Scope

- Guiding program for:
  - Commissioning
  - Systems acceptance
  - Safety certification
  - Operation and maintenance (O&M) training
  - <u>Organizational and resource planning for electrified service</u>

Rail Activation Goals

- Successful start-up of operations in an electrified environment

- Ensure risks are fully identified, understood, and appropriately mitigated

- Establish process for collaboration among activation team members and ownership of action items

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Rail Activation

Rail Activation Focus Areas

- System Safety & Security Plan
- Emergency Preparedness Plan
- Training, Certification & Hiring Plans
- Operations & Maintenance Plans
- Readiness to Enter Revenue Operation
- Electrified Service Plan
- Fleet Retirement & Storage Plans
- Financial Plan & Energy Procurement Strategy
- Community Outreach

Top Risks

- Building electrified system on top of existing diesel railroad

- Ensuring safety and familiarization with energized system

- Sufficient focus and dedicated resources

- Hiring, training and retention

- Collaboration among multiple disciplines

- Unexpected costs and requirements

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Rail Activation Process

- Daily tracking of action items with necessary follow-up

- Weekly Rail Activation Committee meetings

- Weekly Commissioning meetings

- Monthly Executive Team meetings

Next Steps

Ongoing Tasks and Additional Next Steps

- Interviews with key stakeholders

- Milestone-based project schedule

- Identification of "start-up" costs

- APTA Peer Review findings

- Regular updates to the Board

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Questions, Comments?

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FOR MORE INFORMATION

WWW.CALTRAIN.COM

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