

# Caltrans NGENC Railcars and Locomotives Overview and Updates

April 28-29, 2015  
California State Railroad Museum  
Sacramento City Hall



# Agenda

- Railcars Overview
- Railcars Design/State-of-the-Art Technology
- Locomotive Overview
- Locomotive Design/State-of-the-Art Technology
- Railcars Project Milestones
- Locomotive Project Milestones
- Railcars Procurement – Base vs. Option
- Locomotive Procurement – Base vs. Option
- Q & A

# NGEC Railcars Overview

- Contractor: Sumitomo Corporation of the Americas
- Participating States: California and Illinois  
(Illinois is representing the Mid-West Coalition which includes Illinois, Missouri and Michigan)
- Quantity of Cars: 130 total, 42 California
- Cost: \$113,812,246.15 (CA only)  
(including warranty, training, manuals, special tools, diagnostic equipment and taxes)
- Schedule: Caltrans railcars will be delivered November 2017 through September 2018

# NGEC Railcars Design Highlights

- PRIIA Bi-Level Railcar Technical Specifications approved by the NGECC
- Crash Energy Management
- Multi-State Joint Procurement between California and the Mid-West Coalition
- 100% Buy America
- APTA Standards

# NGEC Locomotive Overview

- **Contractor:** Siemens Transportation, Inc.
- **Participating States:** Illinois (as the lead of mid-west coalition), Washington, and California. (As of February 4, 2015, Maryland is also a part of the Joint Procurement Entities.)
- **Quantity of Locomotive:** Six (6)
- **Cost:** \$45,512,916 (Including warranty, training, manuals, special tools, diagnostic equipment and taxes.)
- **Schedule:** All locomotives will be delivered by June 30, 2017

# NGEC Locomotive Design/State-of-the-Art Technology

- Compliance with EPA Tier IV emissions regulations
- 125-mph top speed
- Advanced traction control
- Fabricated trucks
- Modular design and alternating current traction motors

# Railcars Project Milestones

- NTP – November 16, 2012
- Contract Execution – November 19, 2012
- PDR – December 2013
- IDR – September 2014
- FDR – May 2015
- Mock-Up Review – September 2014
- FAI – November 2014 – October 2015
- Estimated Delivery Date of Pilot Cars – Sept 2016
- Estimated Delivery Date of Production Cars – November 2017 through September 2018

# Locomotive Project Milestones

- NTP – March 2014
- Ordering Agreement Execution – April 2014
- PDR – June 2014
- IDR – October & November 2014
- Mock-Up Review – September & December 2014
- FDR – February & March 2015
- FAI – Approximately from May 2015 to March 2016
- Estimated Delivery Date of Pilot Locomotive – December 2016 (Both of them will be delivered to Illinois)
- Estimated Delivery Date of Caltrans Locomotive - All Caltrans locomotives will be delivered and final acceptance takes place by March 2017



# Railcar Procurement Base vs. Option Railcars

Base # of Railcars	Base Delivery Schedule	Base Fund Source(s)
42	November 2017 to July 2018	FRA ARRA Grant FRA FY 2010 Grant State Prop 1B Funds
Option # of Railcars	Option Delivery Schedule	Option Fund Source
11	Jan 2019 to April 2019	FRA FY 2010 Grant State Prop 1B Funds

**\*NOTE: Contract and Grant Amendments under development for Federal Grant funded Railcar Option Order.**

# Locomotive Procurement Base vs. Option Locomotives

Base # of Locomotives	Base Delivery Schedule	Base Fund Source(s)
6	February 2017 to March 2017	FRA ARRA Grant FRA FY 2010 Grant State Prop 1B Funds
Option # of Locomotives	Option Delivery Schedule	Option Fund Source
14	February 2018 to June 2018	State Prop 1B Funds Only

**\*NOTE: Ordering Agreement is under development for Locomotive Option Order.**

# Deployment Plan

Route	Passenger Cars		Locomotives	
	Base Order	Options	Base Order	Options
San Joaquin	11	4	3	
Pacific Surfliner	21	7		14
Capitol Corridor	10		3	

# NGEC Railcar and Locomotive Projects Overview and Updates

Discussion/Questions

