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 NGEC
- 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

<table>
<thead>
<tr>
<th>Base # of Railcars</th>
<th>Base Delivery Schedule</th>
<th>Base Fund Source(s)</th>
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<tbody>
<tr>
<td>42</td>
<td>November 2017 to July 2018</td>
<td>FRA ARRA Grant, FRA FY 2010 Grant, State Prop 1B Funds</td>
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<thead>
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<th>Option # of Railcars</th>
<th>Option Delivery Schedule</th>
<th>Option Fund Source</th>
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<td>11</td>
<td>Jan 2019 to April 2019</td>
<td>FRA FY 2010 Grant, State Prop 1B Funds</td>
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*NOTE: Contract and Grant Amendments under development for Federal Grant funded Railcar Option Order.*
# Locomotive Procurement

## Base vs. Option Locomotives

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<th>Base # of Locomotives</th>
<th>Base Delivery Schedule</th>
<th>Base Fund Source(s)</th>
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<tr>
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<td>FRA ARRA Grant FRA FY 2010 Grant State Prop 1B Funds</td>
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<th>Option # of Locomotives</th>
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<td>February 2018 to June 2018</td>
<td>State Prop 1B Funds Only</td>
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*NOTE: Ordering Agreement is under development for Locomotive Option Order.*
# Deployment Plan

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<th>Route</th>
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<th>Locomotives</th>
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<td>Base Order</td>
<td>Options</td>
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<td>San Joaquin</td>
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<td>4</td>
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<tr>
<td>Pacific Surfliner</td>
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<td>7</td>
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<tr>
<td>Capitol Corridor</td>
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NGEC Railcar and Locomotive Projects Overview and Updates

Discussion/Questions