



Building on success

Accelerating replacement of the light rail fleet

January 23, 2019

Engineering, Maintenance, and Safety Committee

Citizens' Advisory Council

Why we need more new rail cars

- Overcrowding and an unreliable fleet regularly impact rail service
- Limited number of cars—decreases ability to meet growing demand
- Aging fleet fails to meet reliability goals, increasingly difficult to maintain
- Escalating operating costs to provide and maintain existing service levels

Approach: what got us to this point

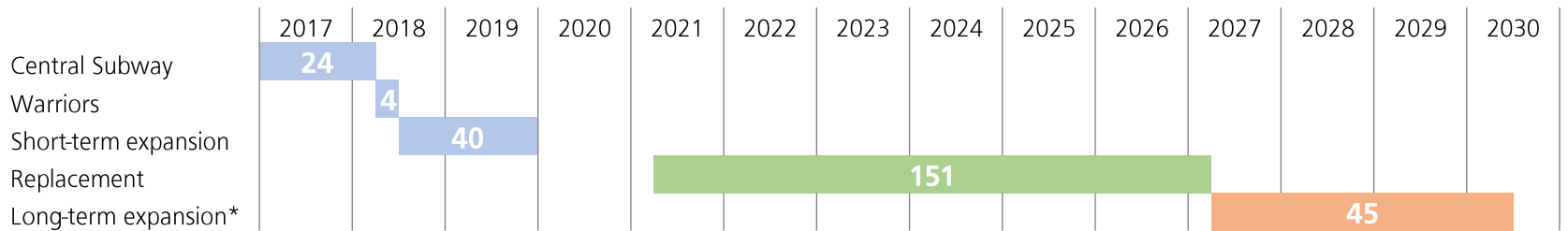
- A focus on lessons learned from prior procurements—pursued improved maintainability and operational improvements
- Multi-generational contractual approach tied to agency and city growth plans and environmental targets
- Leveraged specialized knowledge of vehicle manufacturers
- Introduced latest technology and design standards
- Policy makers delivered on funding
- Engaged key stakeholders from onset of process in collaborative design effort

Competitive selection of reliable vendor

- Competitive bidding process
- Selected vendor—Siemens Mobility—with reputation for quality
- Established unprecedented levels of reliability
- Aggressive delivery schedule
- Priced lower than other comparable manufacturers
- Integrated stakeholder input
- Approved by FTA and CPUC



Original procurement timeline



*As yet un-executed option

Promises Kept

- First car delivered to San Francisco in under three years—January 2017
- Maintenance teams prepared and tested cars to make them revenue ready
- First car enters service in November 2017
- First phase on track—all 68 vehicles delivered—by fall 2019





Procurement is proceeding ahead of schedule

- Rail cars being delivered at a rate of one a week
- Continuing to work with manufacturer to ensure high standard of performance
- Ridership on rail system trending up
- Receiving overwhelmingly positive feedback on new fleet
- Opportunity to accelerate delivery and improve rail service
- Support from City partners and major funders

Benefits to our riders

- Fewer breakdowns
- More spacious interior
- Enhanced accessibility features
- Modern passenger information system
- Energy efficient equipment



Let's Build on Success

- Maintain momentum – take advantage of successful delivery and acceptance
- Incorporate design enhancements in response to public feedback
- Move up delivery of first replacement vehicle by up to 12 months
- Accelerate delivery of Siemens fleet up to 4 years
- Accelerate retirement of Bredas

Maintaining momentum



- ✓ Eliminates need for \$85 million in major system overhauls on Breda fleet
- ✓ Saves \$12 million in agency resources on labor-intensive preventative maintenance
- ✓ Shortens period of time we operate and maintain mixed fleet from 11 to six years
- ✓ Provides public with more reliable, attractive fleet sooner

Recommendation



The choice is clear:
Let's put newer,
more reliable,
better trains in
service, sooner.

