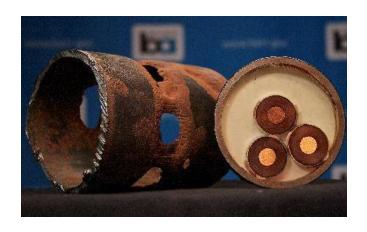


Renew Power – \$1.225 Billion



Renew power – Cable replacement





Scope:

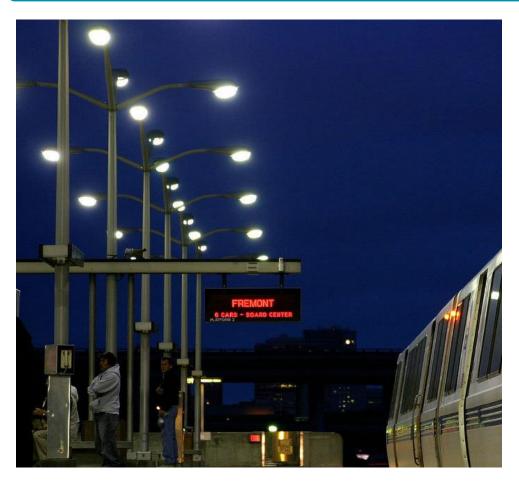
- Replace 34.5 kV Cable system-wide
- Total Program: \$488 M
- Starting Now:
 - Developing hiring plan & consultant contracts
 - Design M-Line TBT to Valencia St.
 - Install
 - 19th Ave to Coliseum Oakland
 - Valencia to 24th St. SF
 - 19th Ave to Washington St. Oakland
 - Washington St. to West Oakland -Oakland

Next Steps:

- Begin Design
 - Remainder of K & M Lines, R-Line, C-Line



Renew power – Substation replacement



Scope:

- Replacement 28
 Substations
- Total Program: \$301 M
- Starting Now:
 - Hiring and contracting engineers for design
 - Install (ASL)San Leandro Substation & (KTE) TBT East

Next Steps:

- Award Concept Design scopes to consultants
- Start Detailed Design Winter 2017-2018



Renew power – New Substations



Scope:

- 2 New added capacity substations
 - Civic Center
 - Montgomery
- Total Program: \$41.90 M
- Happening Now:
 - Initiating 30% Engineering
- Next Steps:
 - Detailed design to start in 2018
 - Construction to start Fall2019



Renew power – Electrical Systems



Scope:

- TBT Generator & switchgear replacement
- Uninterruptible Power (train control protection)
- Tunnel Lighting
- Station Fire Alarm replacement
- Station Emergency Lighting
- Total Program: \$225 M

Happening Now:

- TBT Emergency Generator & Switchgear Final design review
- Tunnel Lighting Final design review

Next Steps:

- Design Station Projects
- Procure 20 Uninterrupted Power Supply (UPS)
- Advertise (Winter 2017-2018)
 - Tunnel Lighting
 - Station Emergency Lighting