



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
    - 19<sup>th</sup> Ave to Coliseum – Oakland
    - Valencia to 24<sup>th</sup> St. – SF
    - 19<sup>th</sup> 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 Fall 2019



# 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