

# COASTER Improvements

## Fact Sheet

### New Equipment

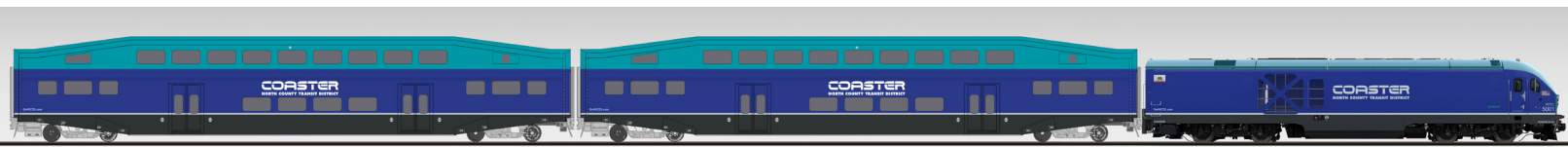
#### Locomotive Procurement

NCTD currently operates a fleet of seven locomotives on the San Diego Subdivision of the LOSSAN corridor to support COASTER operations. The fleet is composed of two F-59 locomotives that were purchased as new by NCTD in 2001 and five F-40 locomotives (purchased as used) which were originally built between 1975-1992 by GM Electro-Motive Power Division. The F40 locomotives were refurbished by MK/MPI between 1988 through 1998.

The five F-40 locomotives have reached the end of their useful life and new locomotives are needed. In order to support NCTD's goals of providing safe, reliable, and efficient services, the NCTD Board of Directors approved the purchase of five new locomotives in June 2018. Following that, in April 2019, the NCTD Board approved the purchase of two additional Siemens Chargers to replace the aging F-59s. The new Siemens Charger locomotives are diesel-electric, Tier 4, passenger locomotives designed and manufactured by Siemens Mobility, Inc.

#### New Trainsets

Recently, in September 2019, the SANDAG Board of Directors approved the purchase of two additional full trainsets (including a locomotive, cab car and four coach cars).



#### Improved Frequencies

With the SANDAG Board of Directors' approval for two additional trainsets, NCTD can improve service frequencies on the COASTER. Currently, the COASTER offers 22 trains per day with the majority of service during peak periods. With the COASTER fleet expansion, service frequencies can be increased to 30-minute headways during peak periods and 60-minute frequencies during non-peak periods. This will result in 42 trains per day, nearly doubling current service.

#### Funding

NCTD has received a \$10 million grant from the San Diego County Air Pollution Control District (APCD) Carl Moyer Grant. An estimated \$46.6 million of the funding will come from the State of California Senate Bill 1 (SB1): The Road Repair and Accountability Act of 2017. \$58.8 million was included in SANDAG's FY 2020 Program Budget Amendment: Capital Improvement Program for the purchase of the two expansion trainsets.

#### New Equipment Quick Facts

##### Equipment:

- 9 locomotives
- 8 coach cars
- 2 cab cars

##### Delivery Start Dates:

Replacement of 5 existing locomotives begins August 2020

##### Benefits of the New Locomotives

- 90% emission reduction compared to current locomotives
- 16% reduction in fuel consumption over existing fleet

