

COASTER Improvements Fact Sheet

COASTER Overhauls

Why does the COASTER need an overhaul?

NCTD is currently operating 28 bi-level coach and cab cars built in 1998 and 2003 which have reached the end-of-life and are due for an overhaul. In March 2019, the NCTD Board of Directors approved the overhaul and maintenance plan to improve reliability, safety, enhance the passenger riding experience, and prolong the vehicles' longevity.

Overhaul Quick Facts



Start Date:
September 2019



Equipment:
28 Bi-Level Coaches



Expected Time for Completion:
Minimum of four cars
overhauled per year



COASTER train car stripped of paint and ready for a fresh look.



The new COASTER cars will boast brightly colored blue and teal exteriors.



Passenger seat material will be changed from cloth to vinyl for easier cleaning.



Fresh new vinyl seats line the inside of the train and offer electrical outlets.

What are the Improvements?

- Carpet replacement
- Seat cushion refurbishment
- LED bulbs installed in overhead fixtures
- Electrical charging outlets added in seating areas
- New exterior paint and decals on all cars
- Upgraded door system
- Suspension maintenance improvements

Funding

The Federal Transit Administration (FTA) and the local matching Transportation Development Act (TDA) funds are aiding the overhaul. NCTD expects to upgrade a minimum of four cars every year and is expected to cost just under \$14 million in total.

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.



New Equipment Quick Facts



Equipment:

- 9 locomotives
- 8 coach cars
- 2 cab cars



Delivery Start Dates:

Replacements for the five F-40s are already on-site



Benefits of the New Locomotives

- 90% emission reduction compared to current locomotives
- 64% more horsepower compared to current locomotives



The current locomotives have reached the end of useful life and have many blemishes that are beyond repair.

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 expansion COASTER fleet, 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.

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