

BOARD MEETING DATE: May 1, 2020

AGENDA NO. 3

PROPOSAL: Amend Contract for Tier 4 Passenger Locomotives

SYNOPSIS: In 2014, under the “Year 16” Carl Moyer Program solicitation, the Southern California Regional Rail Authority (SCRRA) submitted a proposal requesting \$58.85 million to cofund the deployment of 20 new Tier 4 locomotives. In September 2015, the Board awarded \$22.85 million to SCRRA from the Carl Moyer Program AB 923 Fund (80), with a commitment to consider the remaining \$36 million over four phases. The Board previously approved \$27 million of the \$36 million in three installments in December 2016, December 2017 and February 2019. This action is to amend SCRRA’s contract, adding the remaining \$9 million from the Carl Moyer Program AB 923 Fund (80) for a revised contract total of \$58.85 million.

COMMITTEE: Technology, April 17, 2020; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Chairman to amend a contract with SCRRA, adding an additional \$9 million from the Carl Moyer Program AB 923 Fund (80) for a revised contract total of \$58.85 million.

Wayne Natri
Executive Officer

MMM:NB:JI:MW

Background

In 2014, under the “Year 16” Carl Moyer Program solicitation, the Southern California Regional Rail Authority (SCRRA) submitted a proposal requesting \$58.85 million for the deployment of 20 new Tier 4 passenger locomotives. SCRRA’s proposal was evaluated based on the Carl Moyer Program Guidelines, and the funding amount was determined based on the cost-effectiveness limit specified in the Program Guidelines. In September

2015, the Board approved \$22.85 million to SCRRA from the Carl Moyer Program AB 923 Fund (80), with a commitment to consider the remaining \$36 million over four phases. The Board previously approved \$27 million of the \$36 million in three installments in December 2016, December 2017 and February 2019.

SCRRA’s locomotive project will deploy a total of 20 new Tier 4 locomotives, including 9 exclusively using SCRRA and Caltrans funds and 11 cost-shared by South Coast AQMD. The 11 cost-shared by South Coast AQMD will replace the existing Tier 0-2 locomotives, and the old locomotive engines will be destroyed to fulfill Carl Moyer Program requirements. The nine new locomotives that will be purchased exclusively with SCRRA and Caltrans funds will replace older locomotives, and the older locomotives will remain in the SCRRA fleet for operation on an as-needed basis. Three of the new locomotives are for fleet expansion.

Funding Distribution

Cost-Share	Number of Locomotives	Funding Amount	Existing Locomotive
South Coast AQMD	11	\$58.85M*	Engines destroyed
Caltrans and SCRRA	9	\$70.15	6 operate as needed and 3 expansion
Total	20	\$129M	

* Total, if this Board action is approved.

Currently, 12 Tier 4 locomotives have been delivered to SCRRA. CARB emissions verification commenced in March 2020 and is expected to be completed by August 2020. South Coast AQMD will only disburse funds after the CARB verification process is complete.

Additionally, last year, SCRRA began actively seeking demonstration projects for zero emission locomotives and anticipates deployment under such projects in the future.

Proposal

This action is to amend a contract with SCRRA, adding the remaining \$9 million for a total contract award of \$58.85 million from the Carl Moyer Program AB923 Fund (80).

The total project cost is \$129 million, which is cost-shared by Caltrans and Metrolink member agencies with 31.9 and 22.5 percent, respectively. The South Coast AQMD funds will only be used to fund 11 replacement locomotives because Carl Moyer funds cannot be comingled with Caltrans funds per the Carl Moyer Program Guidelines. South Coast AQMD’s participation is contingent upon the implementation of all 20 locomotives.

Benefits to South Coast AQMD

The replacement of older diesel locomotives with new Tier 4 locomotives will help the South Coast Air Basin (Basin) to meet federal air quality standards. The procurement of Tier 4 locomotives was identified in the 2016 AQMP. In addition, since SCRRA locomotives travel throughout the Basin, the cleaner Tier 4 locomotives will reduce the public's overall exposure to diesel particulate emissions. Based on the location of the rail track, 53 percent of the locomotive operations will be in disproportionately impacted areas, as defined under South Coast AQMD's Carl Moyer Program criteria. Emission reductions of NOx, PM and ROG from each locomotive will be approximately 12.3 tons per year, 0.33 tons per year and 1.0 ton per year, respectively.

Resource Impacts

The additional funding award for SCRRA's locomotive project will not exceed \$9 million for a total of \$58.85 million from the Carl Moyer Program AB 923 Fund (80). There are sufficient funds in the Carl Moyer Program AB 923 Fund (80) for this contract amendment.