

**SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT  
YEAR 11/12 CARL MOYER PROGRAM (Solicitation #2)**

**Form F-2 - LOCOMOTIVE PROJECT APPLICATION  
Refurbishment (Repower)/Certified Remanufacture Kit**

Please complete one form for each locomotive.

Company name/ Organization name/ Individual name:
Equipment Identifier (Company ID or Unit #):

**I. ACTIVITY INFORMATION**

<input type="checkbox"/> You must attach documentation showing the historical <b><i>fuel usage</i></b> for <b>EACH</b> existing engine over the last <b>24 consecutive months</b> . Documentation may be in the form of maintenance records, fuel logs, or other paperwork that shows fuel usage	
Percent Operation within CA: _____%	Percent Operation within District: _____%
Is there any seasonality to the use of the equipment? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please explain:	

**II. BASELINE LOCOMOTIVE INFORMATION**

Railroad Class: <input type="checkbox"/> Class I <input type="checkbox"/> Class III	
Locomotive Type :	
<input type="checkbox"/> Line Haul <input type="checkbox"/> Traditional Switcher <input type="checkbox"/> Alternative Technology Switcher <input type="checkbox"/> Passenger	
Locomotive Make:	Locomotive Model:
Locomotive Horsepower:	Locomotive Serial Number:
Locomotive Year:	Fuel Type:
Baseline Engine Make:	Baseline Engine Model:
Baseline Engine Year:	Baseline Engine Serial Number:

**III. NEW REDUCED EMISSION ENGINE INFORMATION<sup>1</sup>**

New Engine Make:	New Engine Model:
New Engine Year:	New Engine Horsepower:
New Engine Fuel Type:	New Engine Tier:

**IV. ENGINE REMANUFACTURE KIT INFORMATION<sup>1</sup>**

Remanufacture Kit Make:	Remanufacture Kit Model:
U.S. EPA Certified Locomotive Emission Level <sup>2</sup> : <input type="checkbox"/> Tier 0 <input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2	

<sup>1</sup> **Note:** Purchase and installation of the cleanest available tier U.S. EPA-certified remanufacture kit or refurbishment (engine repower) is eligible for Carl Moyer Program funding. Applicants must provide evidence that the kit for which funding is requested is the cleanest available kit certified for use on the project locomotive. Locomotive engine remanufacture and refurbishment projects must achieve at least a 30% NO<sub>x</sub> reduction beyond baseline emission levels.

<sup>2</sup> **Note:** Remanufacture kits must be demonstrated not to increase in-use emissions of NO<sub>x</sub>, ROG, or PM emissions.

**SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT  
YEAR 11/12 CARL MOYER PROGRAM (Solicitation #2)**

**V. AUTOMATIC ENGINE STOP-START (AESS) IDLE LIMITING DEVICE (ILD)<sup>3</sup>**

Does the project locomotive already have a functioning Automatic Engine Start-Stop (AESS) Idle Limiting Device (ILD) installed?: <input type="checkbox"/> Yes <input type="checkbox"/> No	
AESS Make:	AESS Model:
AESS Model Year:	AESS ID Number:

<sup>3</sup> **Note:** All locomotive projects receiving more than \$50,000 per locomotive in Carl Moyer Program funds must include the purchase and installation of an ILD if the locomotive is not already equipped with such a device and installation is technically feasible.

**VI. FUNDING INFORMATION<sup>4</sup>**

New Engine/Kit Cost (incl. tax):\$	New Engine/Kit Install Cost (incl. tax): \$
AESS Cost <sup>5</sup> : \$	
<b>Total Amount Requested for this Project<sup>6</sup>:</b>	
<input type="checkbox"/> Maximum allowable    Class 1 Railroad Locomotive: <b>50% of eligible project costs</b> Class 3 Railroad/Passenger Locomotive: Tier 0+ <sup>7</sup> : <b>75%</b> , Tier 1+: <b>80%</b> , Tier 2+: <b>85% of eligible project costs</b>	
<input type="checkbox"/> Other: \$                    You may request less than the maximum allowable funding amount to improve the cost-effectiveness of your project	
New Engine/Kit Vendor:	New Engine/Kit Installer:
Anticipated Project Completion Date:	

<sup>4</sup> **Note:** The eligible costs for a Carl Moyer Program remanufacture kit or repower project include only (1) those items the Certificate of Conformity identifies as being part of the rebuild kit and (2) those the certificate indicates must be contained in the base engine. Each of these specific items on the Certificate of Conformity must be individually itemized in the project invoice. Typical eligible costs of the remanufacture kit may also include the following items: camshafts, injectors, power assemblies (including piston rings, cylinder lines and cylinder head pistons), engine CPU, engine software, aftercoolers, heat exchangers (including radiators and oil cooler), cooling circuits, cooling fans, microprocessor, fuel injectors, oil separator element, governor, water, cooling, and scavenging pumps and pump installation kits, top deck cover seals, rocker arm sets, valve bridges, rod bearing sets, top deck cover seals, blower thrust valves, lower liner inserts, and locomotive control system software. Other items may be eligible for funding on a case-by-case basis. You **MUST** attach a copy of the Certificate of Conformity for the refurbished engine or remanufacture kit

<sup>5</sup> **Note:** If not already required by a rule, regulation, MOU, or other legal mandate, the Carl Moyer Program may pay up to 50 percent of the purchase and installation cost for an AESS ILD.

<sup>6</sup> **Note:** You **MUST** attach a written estimate(quote) from the equipment vendor documenting the cost of the new engine, EMU, and AESS.

<sup>7</sup> **Note:** "+" is used to refer to the new U.S. EPA locomotive engine remanufacture standards (U.S. EPA, 2008).

**Attachment Reminder Checklist**

Did you attach the following to complete your application?

- ✓ One completed copy of Form A-1 – General Project Information Application
- ✓ Documentation showing the historical ***fuel usage*** for **EACH** existing engine over the last **24 consecutive months**. Documentation may be in the form of maintenance records, logs, or other paperwork that shows fuel usage
- ✓ Written estimate (quote) from the equipment vendor documenting the cost of each new reduced emission engine/kit and AESS (if applicable)
- ✓ A completed IRS Form W9 and California Form 590 must be submitted