

APPENDIX A: Trucks Serving Ports and Intermodal Rail Yards

A. Equipment Project Specifications

Trucks Serving Ports and Intermodal Rail Yards

<p>Eligible Equipment</p>	<p>Class 8 (>33,000 lbs gross vehicle weight rating) heavy-duty diesel trucks used to move goods.</p> <p>Equipment owner must demonstrate:</p> <ul style="list-style-type: none"> • Continuous registration (California base-plated or International Registration Plan) in California for the past 2 years. • At least 50 percent operation within trade corridor(s) for the past 2 years.
<p>Ineligible Equipment</p>	<ul style="list-style-type: none"> • Trucks subject to ARB's public and utility fleet rule. • Trucks subject to ARB's solid waste collection vehicle rule. • Trucks subject to ARB's diesel cargo handling equipment rule.
<p>Option (1) Retrofit Requirements</p>	<p>Partial funding of up to \$5,000/truck to retrofit an eligible MY2006 or older heavy duty diesel truck with an ARB verified Level 3 diesel particulate filter that reduces diesel PM by 85 percent or more.</p> <ul style="list-style-type: none"> • Program-funded diesel particulate filter shall be installed and operational at least 6 months prior to a regulatory requirement for that technology or level of emissions control. <p>Equipment owner shall:</p> <ul style="list-style-type: none"> • Commit to at least 4 years of 100% California-only operation and California base-plated registration. Dual plates, IRP, and any other out-of-state registrations are prohibited. • Commit to at least 4 years of frequent port or inter-modal rail yard service (150+ visits/year). • Commit to at least 50% of travel in trade corridors for duration of contract term. • Agree to accept an on-board electronic monitoring unit at any time during the contract term. • Agree to equipment inspections. • Comply with record-keeping, reporting, and audit requirements. • Sign a legally binding contract with the local agency including project milestone and completion deadlines. • Properly maintain filter in good operating condition and according to manufacturer's recommendations. • Demonstrate proof of equipment warranty on filter. • Demonstrate that any mid-1990s engine subject to the software upgrades for diesel trucks (i.e. chip reflash) has completed the upgrade. • Certify that there are no outstanding ARB equipment violations associated with the equipment project application.

Trucks Serving Ports and Intermodal Rail Yards (continued)

<p>Option (2) Repower</p>	<p>The lower of 50% or \$20,000 to repower an eligible MY2003 or older heavy duty diesel truck with a new engine that meets MY2007 emission levels or lower and ARB's requirements for engine manufacturer diagnostics.</p>
<p>Requirements</p>	<ul style="list-style-type: none"> • Program-funded truck repower project shall be completed and operational at least 3 years prior to a regulatory requirement for that technology or level of emissions control. For independent owner operators, the equipment project shall be completed and operational at least 2 years prior to a regulatory requirement for that technology or level of emissions control. <p>Equipment owner shall:</p> <ul style="list-style-type: none"> • Commit to at least 8 years or 350,000 miles of 100% California-only operation and California base-plated registration. Dual plates, IRP, and any other out-of-state registrations are prohibited. • Commit to at least 4 years of frequent port or inter-modal rail yard service (150+ visits/year). • Commit to at least 50% of travel in trade corridors for duration of contract term. • Agree to accept an on-board electronic monitoring unit at any time during the contract term. • Agree to equipment inspections. • Scrap the old engine. • Comply with record-keeping, reporting, and audit requirements. • Sign a legally binding contract with the local agency including project milestone and completion deadlines. • Properly maintain new engine, emission controls, and diagnostics in good operating condition and according to manufacturer's recommendations. • Demonstrate proof of equipment warranty and comprehensive insurance on upgraded equipment. • Provide a copy of ARB Executive Order documenting that the new truck engine meets 2007 emission levels. • Certify that there are no outstanding ARB equipment violations associated with the equipment project application.
<p>Pro-rated Alternative</p>	<p>Equipment owners may opt for a pro-rated alternative consisting of duplicate requirements, except that the Program will pay the lower of 25% or \$10,000 for a 4 year commitment of 100% California-only operation and California base-plated registration.</p>

B. Major Milestones for Equipment Project Completion

- Equipment order.
- Equipment acquisition/installation.
- Submittal of invoice to local agency for reimbursement.
- 1st reporting milestone 6 months after equipment project completion.

C. Recordkeeping Requirements

Equipment owners shall retain, at minimum, all documents, invoices, and correspondence associated with the application, award, contract, monitoring, enforcement, and reporting requirements at least two years after equipment project contract term or three years after final payment, whichever is later. Records shall be readily available and accessible to the local agency, ARB, or designee upon request for the purposes of ongoing evaluations or auditing.

D. Annual Reporting Requirements

Equipment owners shall be responsible for annual reporting to the local agency that includes, but is not limited to:

- Contact information (owner name, address, phone, etc.).
- Proof of California registration.
- Annual vehicle miles of travel (including mileage/activity logs for documentation).
- Certification of California-only operation (including certification that permits were not utilized to make out-of-state trips).
- Certification and documentation of at least 50% of travel in trade corridors.
- Documentation of the number of port/rail yard visits within 12 month period.
- Summary of maintenance performed and inspections conducted.
- Certification that the bond-funded project was operated in accordance with signed contract and that all information submitted is true and accurate.
- Other information as requested by the local agency.

E. Ongoing Evaluations and Audits

Equipment owners shall agree to ongoing equipment project evaluations and equipment project audits by the local agency, ARB, or authorized designees. ARB and local agency audit requirements and provisions are found in Chapter II.E.5.

F. Application Information

Equipment owners shall provide the following information and documentation in addition to the requirements described in Chapter IV and other information ARB or local agencies may request on the equipment project applications.

1. General contact information

This section applies to all equipment project options listed below.

- Name/organization/agency/company
- Mailing address
- Primary contact name and phone number
- Person with equipment contract signing authority (Owner)
- Driver's license number of equipment owner
- Small business information
 - Fleet size
 - Number of employees
 - Annual gross income

2. Option (1): retrofit

a) Current equipment and activity information

- Truck data
 - Truck make, model, model year
 - Vehicle Identification Number
 - Gross vehicle weight rating
 - License plate number
 - Engine make, model, engine year, serial number
 - Engine horsepower and fuel type
- Truck documentation
 - Proof of DMV registration for current and prior two years
 - Documentation of current ownership (copy of title of truck)
- Vocation and activity data for the past 2 years
 - Vocation(s)
 - Annual vehicle miles of travel (VMT)
 - Annual VMT in California
 - Estimated percentage of annual VMT in trade corridors
 - Average number of port or rail yard visits per year
- Vocation and activity documentation for the past 2 years
 - Documentation of at least 50% of travel in corridors may be required

b) Proposed equipment project information

- Retrofit device data
 - ARB-verified retrofit device company and name of device
 - ARB-verified NOx reduction & PM reduction (%)
- Retrofit device documentation
 - ARB Executive Order for retrofit device listing the engine families for which the retrofit is verified, along with a picture of the engine label showing the engine family
- Itemized cost information for eligible expenses (verifiable quote)
- Predicted activity data with new equipment
 - Estimated annual VMT
 - Estimated percentage of annual VMT in trade corridors
 - Estimated number of port or rail yard visits per year (must be 150+)
- Equipment project funding demonstration
 - Total project cost
 - Program dollars requested
 - Source and amounts of other funding (private, local, other State, federal)
 - Request for a direct payment to vendor (if applicable)
 - Documentation of match funding availability

3. Option (2): repower

a) Current equipment and activity information

- Truck data
 - Truck make, model, model year
 - Vehicle Identification Number
 - Gross vehicle weight rating
 - License plate number
 - Engine make, model, engine year, serial number
 - Engine horsepower and fuel type
- Truck documentation
 - Proof of DMV registration for current and prior two years
 - Documentation of current ownership (copy of title of truck)
- Vocation and activity data for the past 2 years
 - Vocation(s)
 - Annual vehicle miles of travel (VMT)
 - Annual VMT in California
 - Estimated percentage of annual VMT in trade corridors
 - Average number of port or rail yard visits per year
- Vocation and activity documentation for the past 2 years
 - Documentation of at least 50% of travel in corridors may be required

b) Proposed equipment project information

- Engine repower data
 - Engine make, engine year
 - Engine horsepower and fuel type
- Repower documentation
 - Documentation of all engine/truck modifications planned as part of the repower project. Include description of upgrades to such things as exhaust systems, electronics, etc.
- Itemized cost information for eligible expenses (verifiable quote)
- Predicted activity data with new equipment
 - Estimated annual VMT
 - Estimated percentage of annual VMT in trade corridors
 - Estimated number of port or rail yard visits per year (must be 150+)
- Equipment project funding demonstration
 - Total project cost
 - Program dollars requested, including option for pro-rated alternative
 - Source and amounts of other funding (private, local, other State, federal)
 - Documentation of match funding availability

4. Option (3): replacement

a) Current equipment and activity information

- Truck data
 - Truck make, model, model year
 - Vehicle Identification Number
 - Gross vehicle weight rating
 - License plate number
 - Engine make, model, engine year, serial number
 - Engine horsepower and fuel type
- Truck documentation
 - Proof of DMV registration for current and prior two years
 - Documentation of current ownership (copy of title of truck)
- Vocation and activity data for the past 2 years
 - Vocation(s)
 - Annual vehicle miles of travel (VMT)
 - Annual VMT in California
 - Estimated percentage of annual VMT in trade corridors
 - Average number of port or rail yard visits per year
- Vocation and activity documentation for the past 2 years
 - Documentation of at least 50% of travel in corridors may be required

b) Proposed equipment project information

- New truck data
 - Truck make, model, model year
 - Gross vehicle weight rating
 - Engine make, engine year
 - Engine horsepower and fuel type
- Itemized cost information for eligible expenses (verifiable quote)
- Predicted activity data with new equipment
 - Estimated annual VMT
 - Estimated percentage of annual VMT in trade corridors
 - Estimated number of port or rail yard visits per year (must be 150+)
- Equipment project funding demonstration
 - Total project cost
 - Program dollars requested, including option for pro-rated alternative
 - Source and amounts of other funding (private, local, other State, federal)
 - Request for a direct payment to vendor (if applicable)

Documentation of match fund