

APPENDIX B

**Air Quality Improvement Program (AQIP)
Advanced Technology Demonstration Projects:
Locomotive Technologies that Approach, Meet, or
Exceed U.S. EPA Tier-4 Emission Levels**

**Sample
Grant Agreement
Fiscal Year 2011-12**

California Air Resources Board
DATE

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**Grant Agreement
Air Quality Improvement Program (AQIP) (Pursuant to AB 118)
Advanced Technology Demonstration Projects
Fiscal Year 2011-12**

AQIP Project Title:

Grant Number:

Grant Amount:

Match Amount:

Grant Recipient Name:

Authorized Official:

Title:

Address:

Phone #:

The following documents are attached and incorporated as part of this grant and take precedence in the following order:

Exhibit A: Grant Provisions

Exhibit B: Work Statement incorporating the following attachments:

Budget Summary (Attachment I)

Project Milestones and Disbursement Schedule (Attachment II)

Project Schedule (Attachment III)

Key Project Personnel (Attachment IV)

Exhibit C: Grant Disbursement Request Form

Exhibit D: Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Solicitation Package

Exhibit E: Grantee Application Package

The undersigned parties agree to comply with the requirements and conditions contained herein, including all provisions, roles, and responsibilities identified in the Advanced Technology Demonstration Project Solicitation and FY 2011-12 Grant Proposal Solicitation as well as all commitments identified in the Grantee Application Package. The undersigned parties certify under the penalty of perjury that they are duly authorized to bind the parties to this grant.

California Air Resources Board:

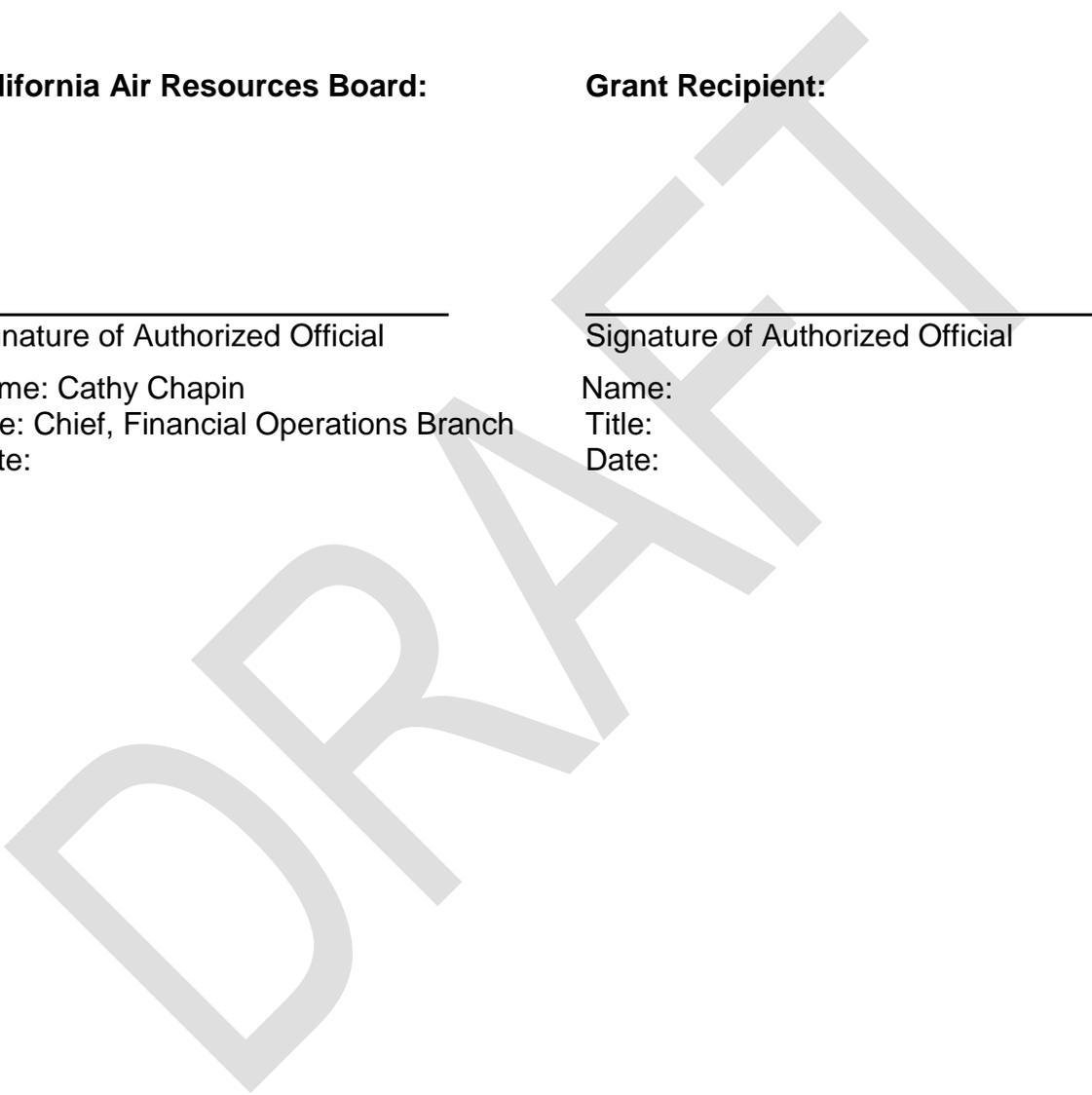
Grant Recipient:

Signature of Authorized Official

Name: Cathy Chapin
Title: Chief, Financial Operations Branch
Date:

Signature of Authorized Official

Name:
Title:
Date:



Grant Provisions

1. GRANT PARTIES AND CONTACT INFORMATION

1.1 This grant is from the California Air Resources Board (herein after referred to as ARB) to the name of recipient (herein after referred to as Grantee).

1.2 The ARB Grant Administrator is Michelle Fojas. All financial inquiries regarding this project shall be directed to:

Michelle Fojas
Air Resources Board
Administrative Services Division
P.O. Box 1436
Sacramento, California 95812
Phone: (916) 322-8204
E-mail: mfojas@arb.ca.gov

1.3 The ARB Project Liaison is Mr. Earl Landberg. Correspondence regarding this project shall be directed to:

Mr. Earl Landberg
Air Resources Board
Mobile Source Control Division
P.O. Box 2815
Sacramento, California 95812
Phone: (916) 323-1384
E-mail: elandber@arb.ca.gov

1.4 The Grantee Liaison is _____. Correspondence regarding this project shall be directed to:

Grantee Liaison
Title
Address
Phone:
Email:

2. TIME PERIOD

- 2.1 Performance of work or other expenses billable to ARB under this grant may commence after signing and awarding of this grant. Performance on this grant ends once the Grantee has submitted the final report or if the grant is terminated, whichever is earlier.
- 2.2 All funds must be disbursed to the Grantee no later than **June 30, 2014**.
- 2.3 The ARB Executive Officer retains the authority to terminate or reduce the dollar amount of this grant if by **January 1, 2014**, 60 percent of project funding has not been expended by the Grantee. In the event of such termination, Section 6 of these provisions shall apply.

3. FINANCIAL MATTERS

- 3.1 ARB's obligations under this Grant Agreement are contingent upon the availability of funds. In the event funds are not available, the State shall have no liability to pay any funds whatsoever to the Grantee or to furnish any other considerations under this Grant Agreement.

Budget

- 3.2 The maximum amount of this grant is \$_____. Under no circumstance will ARB reimburse the Grantee for more than this amount. A written grant agreement amendment is required whenever there is a change to the amount of this grant
- 3.3 The budget for this project is shown in Exhibit B, Attachment I. Except as stated in Section 3.6 of these provisions, grant disbursements for demonstration technology and administrative funds shall not exceed the corresponding AQIP grant amount.
- 3.4 The total AQIP funding may only be reallocated in the event that the Grantee requests less administrative funding than the amount stated in the budget.
- 3.5 No grant funds may be used to purchase equipment or computers that would be required to be returned to the State at the completion of this demonstration project.

Grant Disbursements

- 3.6 Requests for payment shall be made with the Grant Disbursement Request Form (Exhibit C) and conform to the instructions identified in the Advanced

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Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Solicitation. Grant payments shall be made only for reasonable costs incurred by the Grantee and only when the Grantee has submitted a grant disbursement request, milestones stipulated in Exhibit B, Attachment II and the instructions found in the Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Solicitation have been accomplished, documentation of accomplishment has been provided to ARB in the form of the Status Report, and any associated deliverables (if applicable) have been provided to ARB. The ARB will have sole discretion to accelerate the timeline for allowable disbursements of administration funds identified in Exhibit B, Attachment II (with the exception of the final project administration disbursement), necessary to assure the goals of the project are met.

- 3.7 Grant payments are subject to ARB's approval of Status Reports and any accompanying deliverables (see Section 5 of these provisions). A payment will not be made if the ARB Project Liaison deems that a milestone has not been accomplished or documented, that a deliverable meeting specifications has not been provided, that claimed expenses are not documented, not valid per the budget, or not reasonable, that the Grantee has not met other terms of the grant.

The Chief of the Mobile Source Control Division or designee of ARB may review the Project Liaison's approval or disapproval of a grant disbursement. No reimbursement will be made for expenses that, in the judgment of the Division Chief of the Mobile Source Control Division, are not reasonable or do not comply with the grant agreement.

- 3.8 The Grantee shall mail grant disbursement requests to the Project Liaison.
- 3.9 The ARB will withhold payment of ten percent of administrative funds, until completion of all work and submission to ARB by Grantee of a final report, as identified Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Solicitation. It is the Grantee's responsibility to submit a grant disbursement request for this final disbursement of funds.

Oversight and Accountability

- 3.10 The Grantee shall comply with all oversight responsibilities as described in the Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels solicitation and this grant agreement.
- 3.11 The ARB or its designee reserves the right to audit at any time during the

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Sample Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Grant Agreement

duration of this grant the Grantee's costs of performing the grant and to refuse payment of any reimbursable costs or expenses that in the opinion of the ARB or its designee are unsubstantiated or unverified. The Grantee shall cooperate with the ARB or its designee including, but not limited to, promptly providing all information and documents requested, such as all financial records, documents, and other information pertaining to reimbursable costs, and any matching costs and expenses.

- 3.12 The Grantee shall retain all financial records referred to above and provide them for examination and audit by the State for three years after final payment under this grant.
- 3.13 ARB or its designee may recoup AQIP funds or pursue other legal remedies, which were received based upon misinformation or fraud, or for which a Grantee, technology demonstrator, or project subcontractors is in significant or continual non-compliance with the terms of this grant or State law. ARB also reserves the right to prohibit any entity from participating in the Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels project, due to non-compliance with project requirements.

4. PROJECT MONITORING

Meetings

- 4.1 Initial meeting: A meeting will be held between key project personnel and ARB staff before work on the project begins. The purpose of the first meeting will be to discuss the overall plan, details of performing the tasks, the project schedule, and any issues that may need to be resolved.

Review meetings: Meetings to discuss progress must be held at least quarterly beginning three months after the initial meeting. Additional meetings may be scheduled at the sole discretion of the Project Liaison. Such meetings may be conducted by phone, if deemed appropriate by the Project Liaison.

Technical Monitoring

- 4.2 Any changes in the scope or schedule for the project shall require the prior written approval of the ARB Project Liaison.
- 4.3 The Grantee shall notify the ARB Project Liaison and Grant Administrator, in writing, immediately if any circumstances arise (technical, economic, or otherwise), which might place completion of the project in jeopardy. The Grantee shall also make such notification if there is a change in key project personnel (see Exhibit C, Attachment IV).

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- 4.4 In addition to Status Reports (discussed in Section 5 of these provisions), the Grantee shall provide information requested by the Project Liaison that is needed to assess progress in completing tasks and meeting the objectives of the project.
- 4.5 Any change in budget allocations, re-definition of deliverables, or extension of the project schedule must be requested in writing to the ARB Project Liaison and approved by ARB, in its sole discretion.

5. REPORTING

Status Reports

- 5.1 The Grantee shall submit Status Reports at a minimum of three-month intervals. The Status Reports shall be provided in a format agreed upon between the ARB Project Liaison and the Grantee and meet the requirements of the Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Solicitation.
- 5.2 Every grant disbursement request (Exhibit C) shall be accompanied by a Status Report that documents the completion of a milestone specified in Exhibit B, Attachment II.
- 5.3 If the project is behind schedule, the Status Reports must contain an explanation of reasons and how the Grantee plans to resume the schedule.

Final Report

- 5.4 When the project is complete, the Grantee shall submit a draft Final Report. The draft Final Report must be submitted to ARB in an appropriate format agreed upon between the ARB Project Liaison and the Grantee. The Final Report must meet the requirements of Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Solicitation. Upon approval of the draft Final Report by the Project Liaison, the Grantee shall provide a written copy of the final version, plus an electronic file.

6. TERMINATION AND SUSPENSION OF PAYMENTS

- 6.1 The ARB reserves the right to terminate this grant upon thirty days' written notice to the Grantee, if the ARB determines that the project has not progressed satisfactorily during the previous three months and the Grantee and ARB have been unable to agree on modifications. In case of early termination, the Grantee will submit a grant disbursement request, a Status Report covering activities up to, and including, the termination date and following the

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requirements in Sections 3 and 5 of these provisions. Upon receipt of the grant disbursement request, Status Report, a final payment will be made to the Grantee. This payment shall be for all ARB-approved, actually incurred costs that in the opinion of ARB are justified. However, the total amount paid shall not exceed the total grant amount.

- 6.2 The ARB reserves the right to issue a grant suspension order in the event that a dispute should arise. The grant suspension order will be in effect until the dispute has been resolved or the grant has been terminated. If the Grantee chooses to continue work on the project after receiving a grant suspension order, the Grantee will not be reimbursed for any expenditure incurred during the suspension in the event ARB terminates the grant. If ARB rescinds the suspension order and does not terminate the grant, ARB will reimburse the Grantee for any expenses incurred during the suspension that are reimbursable in accordance with the terms of the grant.

7. CONTINGENCY PROVISION

- 7.1 In the event this grant is terminated for whatever reason, the ARB Executive Officer or designee reserves the right in his or her sole discretion to award a grant to the next highest scored applicant and if an agreement cannot be reached, to the next applicant(s) until an agreement is reached. If ARB is unable to award a grant under these circumstances, ARB may award a grant to other AQIP projects.

8. INTELLECTUAL PROPERTY

- 8.1 The ARB will not make any claims as to the ownership of equipment or technologies funded by Advanced Technology Demonstration Project funds.

9. GENERAL PROVISIONS

- 9.1 **Amendment:** No amendment or variation of the terms of this Grant Agreement shall be valid unless made in writing, signed by the parties and approved as required. No oral understanding or agreement not incorporated in the Grant Agreement is binding on any of the parties.
- 9.2 **Assignment:** This grant is not assignable by the Grantee, either in whole or in part, without the consent of ARB.
- 9.3 **Compliance with law, regulations, etc.:** The Grantee agrees that it will, at all times, comply with and require its contractors and subcontractors to comply with all applicable federal and State laws, rules, guidelines, regulations, and requirements.

- 9.4 **Computer software:** The Grantee certifies that it has appropriate systems and controls in place to ensure that State funds will not be used in the performance of this Grant Agreement for the acquisition, operation or maintenance of computer software in violation of copyright laws.
- 9.5 **Conflict of interest:** The Grantee certifies that it is in compliance with applicable State and/or federal conflict of interest laws.
- 9.6 **Damages for breach affecting tax exempt status:** In the event that any breach of any of the provisions of this Grant Agreement by the Grantee shall result in the loss of tax exempt status for any State bonds, the Grantee shall immediately reimburse the State in an amount equal to any damages paid by or loss incurred by the State due to such breach.
- 9.7 **Disputes:** The Grantee shall continue with the responsibilities under this Grant Agreement during any dispute. Grantee staff or management may work in good faith with ARB staff or management to resolve any disagreements or conflicts arising from implementation of this Grant Agreement. However, any disagreements that cannot be resolved at the management level within 30 days of when the issue is first raised with ARB staff shall be subject to resolution by the ARB Executive Officer, or his designated representative, whose decision shall be final and binding.
- 9.8 **Environmental justice:** In the performance of this Grant Agreement, the Grantee shall conduct its programs, policies, and activities that substantially affect human health or the environment in a manner that ensures the fair treatment of people of all races, cultures, and income levels, including minority populations and low-income population of the State.
- 9.9 **Fiscal management systems and accounting standards:** The Grantee agrees that, at a minimum, its fiscal control and accounting procedures will be sufficient to permit tracing of grant funds to a level of expenditure adequate to establish that such funds have not been used in violation of State law or this Grant Agreement. Unless otherwise prohibited by State or local law, the Grantee further agrees that it will maintain separate Project accounts in accordance with generally accepted accounting principles.
- 9.10 **Force majeure:** Neither ARB nor the Grantee shall be liable for or deemed to be in default for any delay or failure in performance under this Grant Agreement or interruption of services resulting, directly or indirectly, from acts of God, enemy or hostile governmental action, civil commotion, strikes, lockouts, labor disputes, fire or other casualty, etc.
- 9.11 **Governing law and venue:** This grant is governed by and shall be interpreted in accordance with the laws of the State of California. ARB and the Grantee

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hereby agree that any action arising out of this Grant Agreement shall be filed and maintained in the Superior Court in and for the County of Sacramento, California, or in the United States District Court in and for the Eastern District of California. The Grantee hereby waives any existing sovereign immunity for the purposes of this Grant Agreement.

- 9.12 **Indemnification:** The Grantee agrees to indemnify, defend and hold harmless the State and the Board and its officers, employees, agents, representatives, and successors-in-interest against any and all liability, loss, and expense, including reasonable attorneys' fees, from any and all claims for injury or damages arising out of the performance by the Grantee, and out of the operation of equipment that is purchased with funds from this Grant Award.
- 9.13 **Grantee's responsibility for work:** The Grantee shall be responsible for work and for persons or entities engaged in work, including, but not limited to, contractors, subcontractors, suppliers, and providers of services. The Grantee shall be responsible for any and all disputes arising out of its contract for work on the Project, including but not limited to payment disputes with contractors, subcontractors, and providers of services. The State will not mediate disputes between the Grantee and any other entity concerning responsibility for performance of work.
- 9.14 **Independent actor:** The Grantee, and its agents and employees, if any, in their performance of this Grant Agreement, shall act in an independent capacity and not as officers, employees or agents of ARB.
- 9.15 **Nondiscrimination:** During the performance of this Grant Agreement, the Grantee and its contractors shall not unlawfully discriminate against, harass, or allow harassment against any employee or applicant for employment because of sex, race, religion, color, national origin, ancestry, disability, sexual orientation, medical condition, marital status, age (over 40) or allow denial of family-care leave, medical-care leave, or pregnancy-disability leave. The Grantee and its contractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free of such discrimination and harassment.
- 9.16 **No third party rights:** The parties to this Grant Agreement do not create rights in, or grant remedies to, any third party as a beneficiary of this Grant Agreement, or of any duty, covenant, obligation or undertaking establish herein.
- 9.17 **Prevailing wages and labor compliance:** If applicable, the Grantee agrees to be bound by all the provisions of State Labor Code Section 1771 regarding prevailing wages. If applicable, the Grantee shall monitor all agreements subject to reimbursement from this Grant Agreement to ensure that the prevailing wage provisions of State Labor Code Section 1771 are being met.

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Sample Advanced Technology Demonstration Projects: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Grant Agreement

- 9.18 **Professionals:** For projects involving installation or construction services, the Grantee agrees that only licensed professionals will be used to perform services under this Grant Agreement where such services are called for and licensed professionals are required for those services under State law.
- 9.19 **Severability:** If a court of competent jurisdiction holds any provision of this Grant Agreement to be illegal, unenforceable or invalid in whole or in part for any reason, the validity and enforceability of the remaining provisions, or portions of those provisions, will not be affected.
- 9.20 **Termination:** ARB may terminate this Grant Agreement by written notice at any time prior to completion of projects funded by this Grant Agreement, upon violation by the Grantee of any material provision after such violation has been called to the attention of the Grantee and after failure of the Grantee to bring itself into compliance with the provisions of this Grant Agreement.
- 9.21 **Timeliness:** Time is of the essence in this Grant Agreement. Grantee shall proceed with and complete the Project in an expeditious manner.
- 9.22 **Waiver of Rights:** Any waiver of rights with respect to a default or other matter arising under the Grant Agreement at any time by either party shall not be considered a waiver of rights with respect to any other default or matter. Any rights and remedies of the State provided for in this Grant Agreement are in addition to any other rights and remedies provided by law.
- 9.23 **Availability of funds:** ARB's obligations under this Grant Agreement are contingent upon the availability of funds. In the event funds are not available, the State shall have no liability to pay any funds whatsoever to the Grantee or to furnish any other considerations under this Grant Agreement.
- 9.24 **Confidentiality:** No record which has been designated as confidential by ARB, or is the subject of a pending application of confidentiality, shall be disclosed by the Grantee.
- 9.25 **Personally Identifiable Information:** Information or data that personally identifies an individual or individuals is confidential in accordance with California Civil Code sections 1798, et seq. and other relevant State or Federal statutes and regulations. The Grantee shall safeguard all such information or data which comes into their possession under this agreement in perpetuity, and shall not release or publish any such information or data.

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Work Statement

Budget Summary (Attachment I)

Project Milestones and Disbursement Schedule (Attachment II)

Project Schedule (Attachment III)

Key Project Personnel (Attachment IV)

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Budget Summary

Grantee:

Grant No.:

Project:

Total Costs & Funding

Costs	AQIP Grant	Match Funding	Total
1. Equipment funds	\$0	\$0	\$0
2. Administrative funds	\$0	\$0	\$0
Total	\$0	\$0	\$0

Disbursement of Funds:

Demonstration Technology Funding

The Grantee shall receive demonstration technology funds in accordance with the Advanced Technology Demonstration Project: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Grant Proposal Solicitation Package for Fiscal Year 2011-12.

Project Administration

The Grantee shall receive project administration funding in accordance the Advanced Technology Demonstration Project: Locomotive Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4 Emission Levels Grant Proposal Solicitation Fiscal Year Package for 2011-12.

Project Milestones and Disbursement Schedule

Grantee:

Grant No.:

Project:

Milestone	Milestone Description	AQIP Grant	Technology Demonstrator
1	Kick-Off Meeting	\$	\$
2	Delivery of Tier-4 Line-Haul Locomotive	\$	\$

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Project Schedule

Grantee:

Grant No.:

Project:

Detailed Scope of Work and Schedule

Work Task	Start Date	Completion Date
Task 1 –		
Task 2 –		
Task 3 –		
Task 4 –		
Task 5 –		

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EXHIBIT B, Attachment IV

Key Project Personnel

Grantee:

Grant No.:

Project:

Name	Position	Duties

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**Air Quality Improvement Program
Grant Disbursement Request Form**

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Air Quality Improvement Program GRANT DISBURSEMENT REQUEST FORM Fiscal Year 2011-2012

Amount of Funds Requested for this Disbursement	
1. Project Name:	
2. Business Name:	3. Grant number:
4. Contact Person:	

	Original Grant	Total of Previous Disbursements	This Request	Remaining Balance
Project Funds	\$	\$	\$	\$
Admin. Funds	\$	\$	\$	\$
Total	\$	\$	\$	\$

Documentation attached for justification of disbursement of:

Administrative Funds

Project Funds

Attachments: _____

Certification
I certify that the information contained in this grant disbursement request and all attachments is correct and complete and is in accordance with the grant agreement. In addition, I hereby authorize the Air Resources Board to make any inquiries to confirm this information.
_____ Signature of Authorized Official
Name:
Title:
Date:

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EXHIBIT D

2011-12 GRANT PROPOSAL SOLICITATION
AIR QUALITY IMPROVEMENT PROGRAM (AQIP)

Advanced Technology Demonstration Projects: Locomotive
Technologies that Approach, Meet, or Exceed U.S. EPA Tier-4
Emission Levels

Mobile Source Control Division
The California Air Resources Board
February 29, 2012



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GRANTEE APPLICATION PACKAGE

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