

## MassCleanDiesel

# A First-of-its-Kind Online Marketplace for Installing Emissions Reduction Devices on Massachusetts Diesel School Buses

Adam Langmaid, ERG  
Adam.Langmaid@erg.com

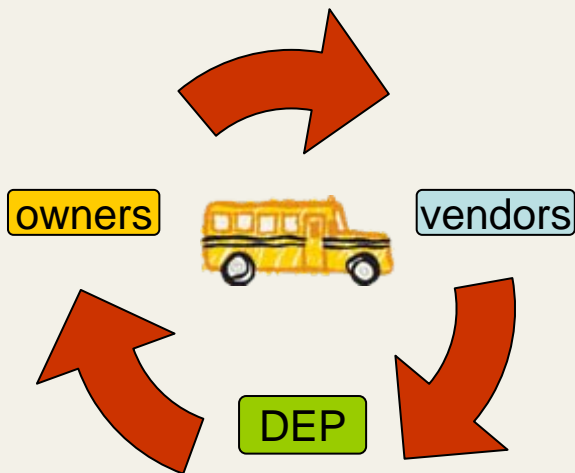




>> **The Information Challenge** ... Develop a cost-effective program to manage the retrofit of all eligible diesel-powered school buses in Massachusetts.

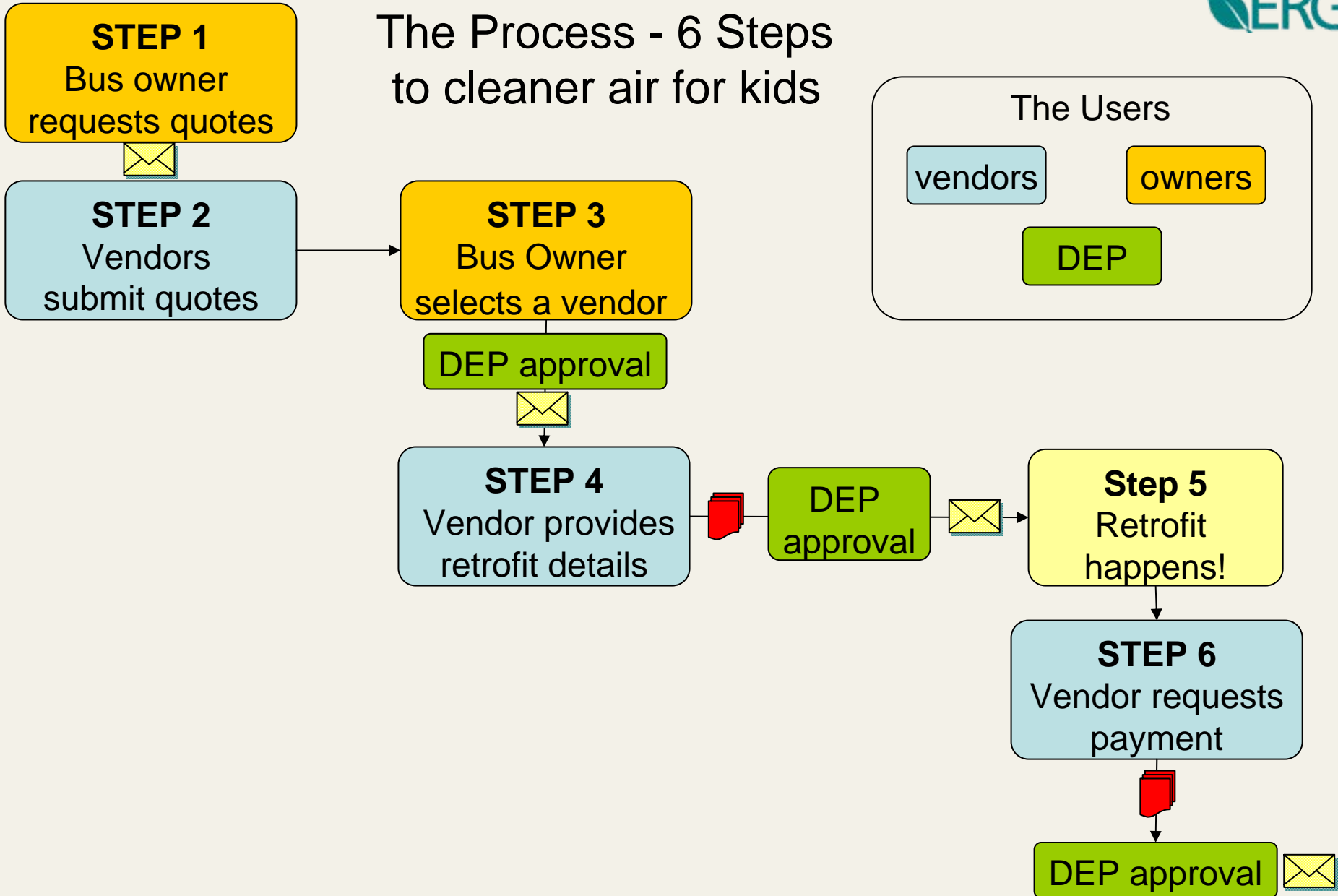
>> **The Technology Challenge** ... Efficiently bring together bus owners and retrofit vendors; to allow MassDEP to monitor bus owner participation, vendor performance, and provide cost reimbursement.

>> **The Solution** ... A secure online marketplace for bus owners and retrofit vendors to meet, solicit estimates, and arrange for retrofits under the oversight and admin of MassDEP.



>> **The Result** ... Cleaner air.

## The Process - 6 Steps to cleaner air for kids



**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Enter VIN

Eligible bus?

Enter details

Request quote

To begin the retrofit process, enter the Vehicle Identification Number (VIN) of the school bus that you want to retrofit and select "Go". The VIN can be found on the vehicle registration form issued by the Registry of Motor Vehicles.

If you do not want to initiate the retrofit process right now you may return to the home page ».

VIN:

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Enter VIN

**Eligible bus?**

Enter details

Request quote

VIN: 1HVBBABP2VH468365

Please answer the following questions to determine if the bus is eligible for a retrofit.

Do you plan to have this bus in service in Massachusetts for at least the next 3 years?

Yes

Does this bus transport children to and/or from a public school?

Yes

Is this bus powered by a diesel engine?

Yes

What is the bus body type?

C

*For definitions and photographs of different school bus types, refer to the [School Transportation News Web site](#)*

2005

What is the bus year<sup>†</sup>?

What is the engine year<sup>‡</sup>?

2006

*The engine year should appear on the engine nameplate, located in the engine compartment of each school bus. For many school buses, the engine year will differ from the year that the bus was purchased.*

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Enter VIN

Eligible bus?

**Enter details**

Request quote

*\* indicates required field*

\* Plate Number<sup>†</sup> :

\* Max Seating Capacity<sup>†</sup> :

\* Bus Make<sup>†</sup> :

\* School District Served:

\* Engine Manufacturer & Model<sup>‡</sup>:

\* Where is the bus garaged?

Engine Serial Number<sup>‡</sup>:

Horsepower<sup>‡</sup>:

\* Are there existing emission controls?

Bus I.D.:

*Enter any additional unique identifier that you have assigned to this bus.*

**<sup>†</sup> Information is typically found on your vehicle registration form.**

**<sup>‡</sup> Information is typically found on the nameplate in the engine compartment of the bus or in the vehicle's shop maintenance manual.**

Save Bus Details

Cancel

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Enter VIN

Eligible bus?

Enter details

**Request quote**



Below is a list of school buses in your fleet for which bus details have been entered. Use this screen to edit your bus information by selecting the corresponding VIN or you can request quotes from the retrofit vendors.

When requesting quotes from vendors, you can include one, several or all VINs on the quote request. Choose the appropriate check box and select "Send Quote Request." Retrofit vendors will then be able to submit bids directly to you through this online application. Note: Although not required, you are strongly encouraged to include your entire fleet of school buses in a single quote request.

If you do not group all of your buses into one quote request, you will have to issue a separate quote request for your other buses. Among other things, this could lead to scheduling difficulties. Contact the program Help Line at (617) 292-5809 with questions about the advantages of grouping your school buses in a single quote request.

## Select VINs for quote requests (Count of VINS: 1)

<u>VIN</u> ↑	Plate Number	Bus Make	Check Box
1HVBBABP2VH468365	SB24134	Blue Bird	<input type="checkbox"/>

Send Quote Request

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit quote

The following bus owners have requested that you submit a quote to install emission control equipment on their diesel buses.

All quotes must be submitted through this online application within 2 weeks of the buses owner's request date.

MASSCLEANDIESEL strongly encourages you to respond to every request for quotes by a given bus owner, as bus owners are likely to select a single vendor to retrofit their entire fleet of buses.

To submit a quote, select a Vehicle Identification Number (VIN) from the school bus list below. Once you submit a quote for a given bus, that bus will no longer be listed on this page.

If you have questions about submitting quotes through the online application, please either consult your "Welcome Aboard!" toolkit or call the MASSCLEANDIESEL Help Line at (617) 292-5809.

## Select a VIN to Provide a Quote (Count of VINS: 1)

<u>Owner</u>	<u>VIN</u> ↑	<u>Date Requested</u>
Acme Bus Corporation	1HVBBABP2VH468365	12/8/2008

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit quote

## Bus Owner Details

## Bus Details

## Technology Quote Details

### DOC/CCV

Technology Not Offered:

DOC Manufacturer:

Parts Cost for DOC & CCV:

CCV Manufacturer:

Total Labor and Installation Costs\*:

Where will installation occur?

\* Total Labor and Installation Costs include, but are not limited to, pre-installation testing (i.e., data logging), installation labor, travel, and related fees.

Use the text box below to provide any information you would like communicated to the bus owner along with your quote.

Submit

Cancel

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
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Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Select vendor

DEP approval

## Select VINS to View Quote Details and Select a Vendor (Count of VINS: 1)

The list below displays all quotes from retrofit vendors who bid on your buses, sorted by bus. MassDEP strongly recommends that you select the lowest-cost vendor to install emission control devices on your school buses. You will be allowed to select a vendor that does not provide the lowest cost; however, MassDEP may contact you to better understand the reasons why you made that selection. Should you have questions about how the quotes are presented and what they mean, contact the program Help Line (617-292-5809).

VIN ↑	Quote Status	View Quote Details and Select Vendor
1HVBBABP2VH468365	Cummins Northeast, Inc. - Awaiting Quote Milton CAT - Quote Received New England Detroit Diesel-Allison, Inc. - Awaiting Quote Shuster Corporatio - Awaiting Quote	<input checked="" type="checkbox"/>

View Quote and Select Vendors

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Select vendor

DEP approval

VIN	Vendor	Technology								In what city will the installation occur?
		DOC/CCV		DPF/CCV		FTF/CCV		CCV Only		
		Parts Cost	Labor Cost	Parts Cost	Labor Cost	Parts Cost	Labor Cost	Parts Cost	Labor Cost	
1HVBBABP2VH468365 Milton CAT	Cummins Northeast, Inc.	No quote received								
	Milton CAT	\$650.00	\$350.00	Not Offered		Not Offered		Not Offered		Dracut
		DOC - Caterpillar CCV - Donaldson								
	New England Detroit Diesel-Allison, Inc.	No quote received								
	Shuster Corporatio	No quote received								

Submit Selection

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Select vendor

DEP approval



## Select VINs to Approve Quote Selection (Count of VINS: 1)

<u>VIN</u> ↑		<u>Date Quote Selected</u>	<u>Owner</u>	<u>Vendor</u>	<u>Approve</u>
1HVBBABP2VH468365	<a href="#">[View Quotes]</a>	12/8/2008	Acme Bus Corporation	Milton CAT	<input checked="" type="checkbox"/>

Approve

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit details

Print Reservation

DEP approval

Below is a list of buses for which you have been selected to retrofit. Be sure to contact the bus owners listed below to coordinate pre-installation inspections and analysis. Those steps might include talking to the fleet manager, viewing the buses, or conducting pre-installation testing of exhaust temperatures.

Once you, in consultation with the bus owner, know which technology will be installed on a given school bus, select that VIN from the list below and enter a technology recommendation in the field provided.

If you have questions about how to proceed, please consult your "Welcome Aboard!" toolkit or call the MASSCLEANDIESEL Help Line at (617) 292-5809.

## Select a VIN to Enter Technology Recommendations (Count of VINS: 1)

<u>Date Vendor Selected</u> ↑	<u>VIN</u>	<u>Owner</u>
12/8/2008	1HVBBABP2VH468365	Acme Bus Corporation

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit details

Print Reservation

DEP approval

## Bus Owner Details

## Bus Details

## Technology Quote Details

## Technology Recommendation Details

Tailpipe Technology Recommended:  Parts Cost:

Tailpipe Manufacturer:  Total Labor and Installation Costs:

Crankcase Technology Recommended:

Crankcase Technology Manufacturer:

Are there existing emission controls?

Submit

Cancel

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit details

Print Reservation

DEP approval

You are ready to print a Reservation Form only after you have reached agreement with a bus owner as to what specific retrofit technology will be installed on a bus and after the agreed upon technology has been entered into the online application.

You must print a Reservation Form to send to MassDEP for approval before installing retrofits. You can view the details for any bus by selecting the VIN listed below. Please keep these important points in mind:

- Only one bus owner per Reservation Form.
- For bus owners with multiple school buses, you can either print a single Reservation Form that covers the entire fleet or the fleet can be broken into smaller batches that will appear on different Reservation Forms. Refer to your "Welcome Aboard!" toolkit for more information on the pros and cons of these two options.
- A complete Reservation package consists of the Reservation Form that must be signed by the bus owner and the retrofit vendor and the Contract Terms that must be initialed by the bus owner and the retrofit vendor.

### Select VINs to Include on Reservation Form (Count of VINS: 1)

<u>VIN</u> ↑	<u>Owner</u>	Print Reservation Package
1HVBBABP2VH468365	Acme Bus Corporation	<input checked="" type="checkbox"/>

Print Selected VINs

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit details

Print Reservation

DEP approval



## Select VINs to Approve Reservations (Count of VINS: 1)

<u>VIN</u> ↑	<u>Date Reservation Submitted</u>	<u>Owner</u>	<u>Vendor</u>	<u>Approve</u>
1HVBBABP2VH468365	12/8/2008	Acme Bus Corporation	Milton CAT	<input checked="" type="checkbox"/>

Approve

**STEP 1**  
Bus owner  
requests quotes

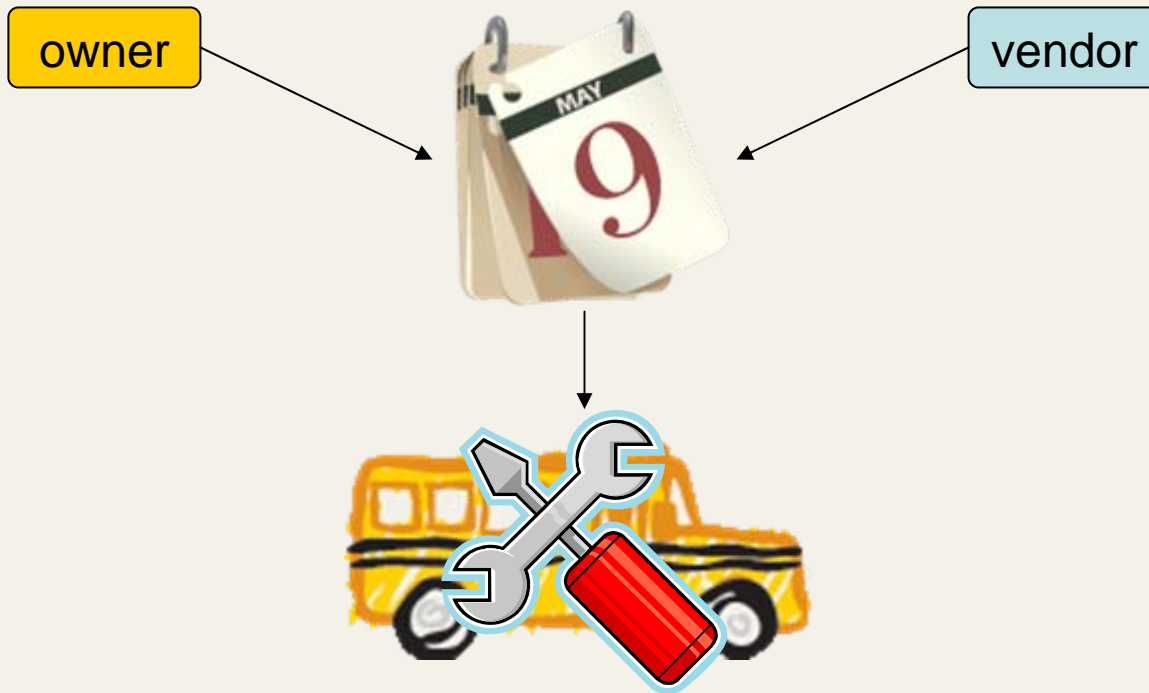
**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



**STEP 1**  
Bus owner requests quotes

**STEP 2**  
Vendor submits quote

**STEP 3**  
Bus owner selects vendor

**STEP 4**  
Vendor provides Retrofit details

**STEP 5**  
Retrofit happens

**STEP 6**  
Vendor requests payment



Login

Select VIN

Submit details

Print payment form

DEP approval

This is where you will enter details about each retrofit installation and print your Payment Forms. Before you can print your Payment Forms, you must first enter retrofit installation details for all school buses listed under a specific Reservation Number. Note: Buses grouped within a Reservation Number cannot be separated on a Payment Form.

To enter retrofit installation details, select "Enter Retrofit Details" from the list below.

To print a Payment Form, place a check mark in the corresponding check boxes below and select "Print Payment Forms for the selected Reservation Numbers." Check boxes only appear when retrofit installation details have been entered for **all** VINs.

If you have questions about the Payment process, please consult your "Welcome Aboard!" toolkit or call the MASSCLEANDIESEL Help Line at (617) 292-5809.

## Payments (Count of VINS: 1)

<u>Reservation Number</u> ↑	<u>Status</u>	<u>VIN - Status</u>	<u>Owner</u>	<u>Select</u>
171	Installation Details Needed	1HVBBABP2VH468365 - Enter Retrofit Details	Acme Bus Corporation	

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit details

Print payment form

DEP approval

## Bus Owner Details

## Bus Details

## Technology Quote Details

## Technology Details

Tailpipe Technology Installed:

DOC

\*Total Actual Parts Cost:

650

\* Tailpipe Technology Part/Serial  
Number and Sticker Number †:

DOC01-X

\*Total Actual Labor and  
Installation Costs:

350

\*Tailpipe Technology Installation  
Date(MM/DD/YYYY):

12/08/2008

calendar

†Refer to your "Welcome Aboard!" toolkit or contact the  
Help Line (617-282-5809) for specific instructions on what  
information must be included in these fields.

Crankcase Technology Installed:

Yes

\*Crankcase Technology Part  
Number and Sticker Number †:

CCV99-V2.1

\*Crankcase Technology  
Installation Date (MM/DD/YYYY):

12/08/2008

calendar

\*Are there existing emission  
controls?

No



Submit

Cancel

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit details

Print payment form

DEP approval

This is where you will enter details about each retrofit installation and print your Payment Forms. Before you can print your Payment Forms, you must first enter retrofit installation details for all school buses listed under a specific Reservation Number. Note: Buses grouped within a Reservation Number cannot be separated on a Payment Form.

To enter retrofit installation details, select "Enter Retrofit Details" from the list below.

To print a Payment Form, place a check mark in the corresponding check boxes below and select "Print Payment Forms for the selected Reservation Numbers." Check boxes only appear when retrofit installation details have been entered for **all** VINs.

If you have questions about the Payment process, please consult your "Welcome Aboard!" toolkit or call the MASSCLEANDIESEL Help Line at (617) 292-5809.

## Payments (Count of VINS: 1)

<u>Reservation Number</u> ↓	<u>Status</u>	<u>VIN - Status</u>	<u>Owner</u>	<u>Select</u>
171	Payment Form Ready to Print	1HVBBABP2VH468365 - Retrofit Installation Details Entered	Acme Bus Corporation	<input checked="" type="checkbox"/>

Print Payment Forms for the selected Reservation Numbers

**STEP 1**  
Bus owner  
requests quotes

**STEP 2**  
Vendor submits  
quote

**STEP 3**  
Bus owner  
selects vendor

**STEP 4**  
Vendor provides  
Retrofit details

**STEP 5**  
Retrofit  
happens

**STEP 6**  
Vendor requests  
payment



Login

Select VIN

Submit details

Print payment form

DEP approval



## Select VINs to Approve Payments (Count of VINS: 1)

<u>Reservation Number</u> ↑	<u>Date Payment Submitted</u>	<u>Owner</u>	<u>Vendor</u>	VIN	Approve
171	12/8/2008	Acme Bus Corporation	Milton CAT	1HVBBABP2VH468365 12/8/2008	<input checked="" type="checkbox"/>

Approve

**Thank you**

**For more information  
visit booth #504**

Adam Langmaid, ERG  
[Adam.Langmaid@erg.com](mailto:Adam.Langmaid@erg.com)

