



Engines and Vehicles – Compliance Information System (EV-CIS)

# Production Volume Reporting Module Updates:

## Nonroad Compression-Ignition Engines (NRCI) to be Added for Model Year 2022 Reporting

Informational Meeting  
*April 13, 2022*

**Note: This presentation does not apply to the following industries:**

- Locomotives will also be added to the new production volume (PV) reporting module in time for model year 2022 reporting. Information about the locomotive industry will be covered in a separate webinar at a later date
- Light-Duty Vehicles & Trucks and Heavy-Duty Highway Class 2b/3 Vehicles are not planned to be incorporated into the new PV reporting module at this time

# Agenda

- What's Happening
- Production Volume (PV) Reporting Module Overview
- Demonstration and Screenshots
- Testing & Deployment Information
- Contact Information & Resources
- Questions

# What's Happening?

- The NRCI industry will be incorporated into the new EV-CIS PV reporting module\* in time to submit model year 2022 production volume reports
- Upon release of the new module, all model year 2022 and later NRCI production volume reports must be submitted using the new PV reporting module

*\*The new PV Reporting module was originally released in November 2020 to unify and streamline the PV reporting process across all industries. Industries are being phased into the new module. NRCI and Locomotives will be incorporated into the new module in 2022.*

# What's Happening?

- Upon release of the new module, any corrections/updates to pre-model year 2022 NRCI production volume reports must also be submitted to the new PV Reporting module
  - The legacy PV reporting method will be decommissioned for NRCI
  - The “Create Submission” button must be used the first time a correction/update is needed for a pre-model year 2022 report
  - Any subsequent corrections/updates for the same pre-model year 2022 report can then be made using the “Revise” or “Edit” options (depending on the status of the report)

# PV Reporting Module Overview

- This new PV Reporting Module is part of EPA's ongoing effort to modernize EV-CIS and develop a comprehensive solution for compliance reporting.
- The goals of this module are to—
  - leverage as much existing data as possible to reduce the data entry burden for manufacturers and improve data integrity;
  - improve data quality through validation; and
  - improve rates of compliance with reporting requirements.

# PV Reporting Module Feature Highlights

- Submission Management
  - Users can see what has been submitted by any user within their company and the status of those submissions.
  - Users can create, view, edit, and delete reports with a couple of clicks.
  - Locking protects data while it is being worked on.
- Preloaded Certification Data
  - Users do not need to enter family or model information.
  - Users do not need to worry about accidentally omitting families/models.
- Real-time Validation
  - No tracking down submission processing reports to determine whether your submission passed validation and was successful.







# Demonstration & Screenshots

# MyCDX\*

\*Screen may vary across users

Use the “Submitter” role to access EV-CIS in order to have the ability to edit Production Volume reports. The CAO and CROMERR Signer roles will only be able to view PV reports

The screenshot shows the MyCDX Central Data Exchange interface. At the top, there is a navigation bar with buttons for MyCDX, Inbox, My Profile, Role Sponsorship, Submission History, and Payments. Below this is a section titled "Services" with a "Manage" link. A table lists three services, each with a user icon, a program name, and a role. The role "Submitter" is highlighted with a red circle.

<u>Status</u>	<u>Program Service Name</u>	<u>Role</u>
	EV-CIS: Engines and Vehicles - Compliance Information System	<a href="#">Company Approving Official (CAO)</a>
	EV-CIS: Engines and Vehicles - Compliance Information System	<a href="#">CROMERR Signer</a>
	EV-CIS: Engines and Vehicles - Compliance Information System	<a href="#">Submitter</a>

# EV-CIS Home\*

\*Screen may vary across industries and user EV-CIS roles

Click the [“Submit Compliance Information”](#) button on EV-CIS Home to view all the applicable compliance reporting requirements for the selected industry (including Production Volume)

The screenshot shows the EV-CIS Home interface. At the top, there is a navigation bar with the EPA logo, the text 'EV-CIS Engines and Vehicles - Compliance Information System', and links for 'My CDX' and 'CDX Inbox' next to a search bar. Below this is a dark blue header with 'EV-CIS Home'. The main content area is titled 'What would you like to do?' and features six action buttons arranged in a 2x3 grid:

- Maintain Manufacturer Information
- Submit Certification Information
- Request Certificate or CSI Update
- Submit Fuel Economy Label Information
- Submit Compliance Information (highlighted with a red circle)
- Update Introduction to Commerce Date

# Compliance Reporting Home\*

\*Screen may vary across industries

The “[Production Volume](#)” button on Compliance Reporting Home will now link to the new PV Reporting module for all industries added in this release

The screenshot shows the EPA EV-CIS Compliance Information System interface. At the top, there is a navigation bar with the EPA logo, 'EV-CIS Engines and Vehicles - Compliance Information System', 'My CDX', and 'CDX Inbox' with a dropdown menu. Below this is a dark blue header with a back arrow and the text 'Compliance Reporting'. The main content area is titled 'Nonroad Compression-Ignition Engines' and includes a 'Change Industry' button. There are four main tiles: 'Averaging, Banking, and Trading' (with a scales icon), 'Defects and Recalls' (with a wrench and screwdriver icon), 'Production Volume' (with a clipboard and bar chart icon, circled in red), and 'Selective Enforcement Audit' (with a magnifying glass over engine parts icon). At the bottom right, there is a search area with the text 'Don't see what you're looking for?' and a green button labeled 'Upload Compliance Documents'.

# PV Reporting - Home (Submission History)

Click the [“Create Submission”](#) button to create a PV report for model year 2022 or to create a correction to a pre-MY2022 report

Note that the year included in the [EPA Report Identifier](#) is the calendar year the report was first created and not the model year of the PV report

**Submission History**

Submission Status: Show All Search: "Nonroad Compression"

Mfr Report Name	EPA Report Identifier	Model Year	Industry	Submission Status	Last Modified	Last Modified By	Actions
PV Report 2016 2	EPA-PV-2022-0000033	2016	Nonroad Compression-Ignition Engines	Submitted	03/22/2022 10:18:44 am	Christi Poirier	Select
PV Report 2016 2	EPA-PV-2022-0000034	2016	Nonroad Compression-Ignition Engines	Pending In Progress	03/21/2022 03:30:01 pm	Christi Poirier	Select
2023 NRCI Report	EPA-PV-2022-0000042	2023	Nonroad Compression-Ignition Engines	Pending In Progress	03/23/2022 11:23:20 am	Christi Poirier	Select

Show 10 entries Showing 1 to 3 of 3 entries (filtered from 74 total entries) Previous 1 Next

To correct a Production Volume Report that was submitted for compliance with the Heavy-Duty Vehicle Greenhouse Gas (GHG) Phase I program for MY2020 and earlier vehicles, use the [HD Vehicle GHG Phase I PV Reporting](#) button below.

[HD Vehicle GHG Phase I PV Reporting](#)

Initially, all PV reports submitted by any user for the Manufacturer Code and selected industry (NRCI) will be displayed. Type additional text in the [Search box](#) to filter which PV reports are displayed

Click the [“Select”](#) button and then [“Revise”](#), [“History”](#), or [“View”](#) for submitted reports or [“Edit”](#), [“History”](#), or [“Delete”](#) for pending reports

# PV Reporting - Home

- The Production Volume Home screen shows all “Pending” and “Submitted” PV reports for all model years that were created by any users for your Manufacturer Code
- Any user can view or edit any report regardless of who initially created it unless it is locked because another user is currently editing the report
- The list will initially be filtered to only display reports for the industry selected when clicking the Submit Compliance Information button on EV-CIS Home but can be further adjusted to only display reports of interest
- Click the “Create Submission” button to create a new PV report

# PV Reporting - Report Setup

Enter a unique Manufacturer Report Name for this PV report. A warning business rule will display on the Review & Confirm screen if the same Manufacturer Report Name already exists for a different PV report for the same model year

**EPA EV-CIS** Engines and Vehicles - Compliance Information System My CDX CDX Inbox

← Production Volume Reporting

### Report Setup

EPA Manufacturer Code: EPA  
Manufacturer Name: Environmental Protection Agency

Industry: \*  
Nonroad Compression-Ignition Engines

Report Type: \*  
Production Volume Report

Model Year: \*  
2022

Manufacturer Report Name: \*  
Manufacturer Report Name

Manufacturer Report ID:  
Optional Manufacturer Report ID

Comments (3949 characters available):  
Optional comments for this Production Volume Report

Exit Next →

When creating a new report, clicking the “Next” button on the Report Setup screen will lock the Industry, Report Type, and Model Year fields so they cannot be modified. If any of these are entered incorrectly, delete the pending report and create a new one.

# PV Reporting - Report Setup

- After clicking the “Next” button on the Report Setup screen, the report will automatically be saved as a pending report, after which the following fields can no longer be revised:
  - Industry, Report Type, Model Year
  - If any of these fields are entered incorrectly, delete the pending report and create a new one
- Pending reports can continue to be updated using the “Edit” option in the “Actions” column until they have been submitted
- Once a report has been submitted, it can be updated using the “Revise” option in the “Actions” column



# PV Reporting - Report Description

Select all applicable Contact(s) for this PV Report. If the correct Contact is not included in the drop-down list, go to Maintain Manufacturer Information and add the applicable Industry and Compliance Program of “Production Volume” combination to the applicable Contact (new or existing)

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← Production Volume Reporting

## Report Description

✓ 2 3 4 5  
Report Setup Report Description Report Details Review & Confirm Complete

EPA Manufacturer Code: EPA  
EPA Report Identifier: EPA-PV-2022-0000046  
Report Type: Production Volume Report

Manufacturer Name: Environmental Protection Agency  
Industry: Nonroad Compression-Ignition Engines  
Report Name: Manufacturer Report Name

Contact(s): \*  +

Comments (3949 characters available):  
Optional comments for this Production Volume Report

← Back Exit Save **Next →**

Click the “Next” button to proceed to the Report Details screen

# PV Reporting - Report Description

- The Contact(s) drop-down list on the NRCI Report Description screen will only include contacts from the EV-CIS Manufacturer Information module that have an active combination of:
  - Industry of "Nonroad Compression-Ignition Engines" and a Compliance Program of "Production Volume Report"
- If the correct contact is not included in the drop-down list for a PV report, exit the PV module, click on "Maintain Manufacturer Information" on EV-CIS Home, and add the required combination of Industry and Compliance Program to a new or existing contact
  - Note- There may be a delay until the additional contact appears in the PVR Contact(s) drop-down list while the update is being processed by EV-CIS

# PV Reporting - Report Details

This report cannot be submitted until all the required production volumes have been entered for all models for all certified families that are included on the Report Details screen. Click the Edit button (pencil icon) to open the family and enter production volumes for each model.

**Report Details**

Report Setup | Report Description | **Report Details** | Review & Confirm | Complete

EPA Manufacturer Code: EPA  
EPA Report Identifier: EPA-PV-2022-0000046  
Report Type: Production Volume Report

Manufacturer Name: Environmental Protection Agency  
Industry: Nonroad Compression-Ignition Engines  
Report Name: Manufacturer Report Name

[Import Family Model Data from a CSV File](#)

List of Families:

Edit	Family Name	Status	Projected Sales (45 States)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (Total U.S.)
	NEPAL09.9JB1	Certified	250	150	400	5800
	NEPAL09.9JB2	Certified	250	250	500	22
	NEPAL09.9JB3	Suspended	150	500	650	7400
	NEPAL09.9JB4	Revoked	1	90	91	(Model data incomplete)

Display 10 per page

Optional comments for this Production Volume Report

[← Back](#) | [Exit](#) | [Save](#) | [Review & Confirm →](#)

Click the “Save” button to save incomplete data that is not yet ready to be submitted or click the “Review & Confirm” button to validate the information entered for this PV report

# PV Reporting - Report Details

- All certified NRCI families and all models for each family will be auto-populated on the Report Details screen so that required production volumes can be entered
  - A PV report can only be submitted to EV-CIS after all required production volumes have been entered for all models for each family
  - Incomplete reports can be saved as pending reports so they can be completed in future sessions

# PV Reporting - Report Details

Import Family Model Data from a CSV File

List of Families:

Search for Families...

Hide Completed Records

Edit	Family Name	Status	Projected Sales (49 States)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (Total U.S.)
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	NEPAL02.5CC1	Void	250	0	250	(Model data incomplete)
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List of Models for Family: NEPAL02.5CC1

Search for Models...

Hide Completed Records

Engine Model	Engine Code	Max Power (hp)	Displacement (L)	Fuel System Type	Production Volume (Total U.S.) *
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EPA1	EPA567		2.506	Indirect Diesel Injection	<input type="text"/>
EPA2	EPA678		2.506	Indirect Diesel Injection	<input type="text"/>

Cancel

Done

	NEPAL02.5CCC	Certified	200	50	250	<b>5697</b>
	NEPAL09.9JA2	Certified	999	1	1000	<b>1</b>
	NEPAL09.9JA3	Certified	150	500	650	<b>2</b>

Click the “Done” button to save the data entered for each model within the family, or “Cancel” to revert your changes.

In accordance with 1039.250(a)(1), production volumes must be entered for every combination of engine model/engine code and fuel system type.

# PV Reporting Changes- Data Import

To import data from a CSV file:

1. Click the [“Import Family Model Data from a CSV File”](#) button
2. Click the [“Choose File”](#) button and browse for and select the applicable NRCI CSV file
3. Click the [“Import”](#) button
4. If there is a problem with your CSV file, an error will be displayed. Otherwise, data in your CSV file that matches certified families/models on the Report Details screen will be imported

The screenshot shows a software interface for importing data. A modal dialog box titled "Import Family Model Data from Template" is open, featuring a "Choose File" button and an "Import" button. Below the dialog, the "Report Details" screen is visible, showing a table of families. The "Import Family Model Data from a CSV File" button is highlighted in red. The table below shows two rows of data, with the "Production Volume (Total U.S.)" column values of 7400 and 2250 highlighted in red.

Edit	Family Name	Status	Projected Sales (49 States)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (Total U.S.)
✓	CEPAL2.81234	Certified	900	100	1000	7400
✓	CEPAL5.61234	Certified	400	600	1000	2250

Note that some production volume values have already been entered on the screen in this example before importing any data from the CSV file

# PV Reporting - Data Import

- In lieu of manually entering the data, NRCI production volume data can be imported onto the Report Details screen from a properly formatted CSV template
  - The NRCI-specific CSV template must be used
  - Any rows of the CSV that do not match a certified family/model combination will be ignored
  - Data entered on the user interface for a family/model that matches a family/model row of the CSV file will be overwritten by the data in the CSV file
  - Data entered on the user interface for a family/model that does not match any family/model rows of the CSV file will not be modified after importing the CSV file
- Upon clicking the Review & Confirm button, any imported data will undergo the same validation as data that was manually entered

# PV Reporting - Data Import Example Template

Example of NRCI CSV template:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	# This is a template for importing Production Volume Report data for the Nonroad Compression-Ignition industry.																	
2	# Make sure your file is saved in CSV format before uploading it to the screen.																	
3	#																	
4	# Items in the CSV file must be separated by a comma. Non-USA users should check their files to be certain that some other character was not used by their computer as the item separator.																	
5	# In some the user may wish to change the default list separator character in Windows. (Start   Settings   Control Panel   Regional and Language Options   Customize   List Separator)																	
6	# Although the actual input file should only use the appropriate codes.																	
7	# Any row that starts with a '#' in the first column will be ignored.																	
8	# See examples below.																	
9	#																	
10	# Model Y Engine Family No Engine Model Engine Code Fuel System Production Volume (Total U.S.)																	
11	# PV-1	PV-2	PV-13	PV-14	PV-17	PV-24												
12	# *Required for C *Required for I *Required for T *Required for O *Required for CSV																	
13	# Allowed Values:																	
14	# C = Carburetor																	
15	# D = Direct Diesel Injection																	
16	# I = Indirect Diesel Injection																	
17	# T = Throttle Body Injection																	
18	# O = Other																	
19	#																	
20	2022	NEPAL02.5CC1	EPA1	EPA567	I	450												
21	2022	NEPAL02.5CC1	EPA2	EPA678	I	800												
22	2022	NEPAL02.5CCC	EPA1	EPA567	I	240												
23	2022	NEPAL02.5CC1	EPA1	EPA567	I													
24	2022	NEPAL02.5CC1	EPA2	EPA678	I													
25																		



# PV Reporting - Data Import Example

For this example, the values outlined in red are the only ones that were modified as a result of importing the CSV file on the previous slide

- The production volume values for NEPAL02.5CC1 were both updated twice due to the duplicate information on rows 20-21 and 23-34. Rows 20-21 first set production volumes to 450 and 800 then rows 23-24 set both production volumes to blank
- The values for NEPAL02.5CCC engine model EPA2 entered on the screen were not updated since there is not an active row in the CSV file for this model

List of Families:

Edit	Family Name	Status	Projected Sales (49 States)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (Total U.S.)
	NEPAL02.5CC1	Void	250	0	250	(Model data incomplete)

List of Models for Family: NEPAL02.5CC1

Engine Model	Engine Code	Max Power (hp)	Displacement (L)	Fuel System Type	Production Volume (Total U.S.)*
EPA1	EPA567		2.506	Indirect Diesel Injection	
EPA2	EPA678		2.506	Indirect Diesel Injection	

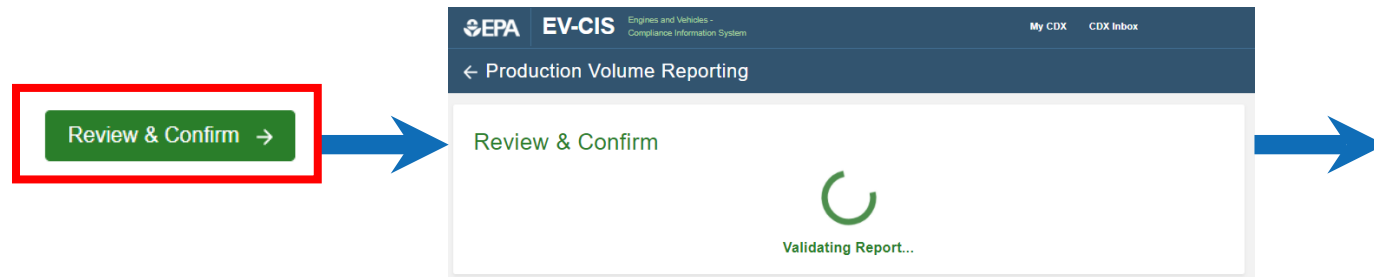
List of Families:

Edit	Family Name	Status	Projected Sales (49 States)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (Total U.S.)
	NEPAL02.5CCC	Certified	200	50	250	245

List of Models for Family: NEPAL02.5CCC

Engine Model	Engine Code	Max Power (hp)	Displacement (L)	Fuel System Type	Production Volume (Total U.S.)*
EPA1	EPA567		2.506	Indirect Diesel Injection	240
EPA2	EPA678		2.506	Indirect Diesel Injection	5

# PV Reporting - Review & Confirm



If no business rule errors are displayed at the top of the Review & Confirm screen, click the “Submit” button to submit this PV report.

Click the “Exit” button to return to the PV Home screen and keep this PV report as pending.

Click the “Back” button to continue editing this PV report or to resolve any business rule errors

The screenshot shows the EPA EV-CIS interface for the "Review & Confirm" stage of a Production Volume Report. The top navigation bar includes the EPA logo, "EV-CIS", and user information. A progress indicator at the top shows five steps: Report Setup, Report Description, Report Details, Review & Confirm (current step), and Complete. The main content area is divided into sections: Report Setup, Report Description, and Report Details. At the bottom, there are three buttons: "Back", "Exit", and "Submit", each highlighted with a red border.

**Report Setup**

Manufacturer Code:	EPA	Manufacturer Name:	Environmental Protection Agency
EPA Report Identifier:	EPA-PV-2022-0000036	Industry:	Nonroad Compression-Ignition Engines
Report Type:	Production Volume Report	Model Year:	2012
Manufacturer Report Name:		Manufacturer Report ID:	
Manufacturer Report Name:		Optional Manufacturer Report ID:	

**Report Description**

Contacts:

- Mrs. Christi Poirier (poirier.christi@epa.gov)

Summary of Modifications:

Annual Modifications

**Report Details**

List of Families:

showHide	Family Name	Status	Projected Sales (48 States)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (Total U.S.)
+	CEPAL2.81234	Certified	900	100	1000	7400
+	CEPAL5.81234	Certified	400	600	1000	2250

Comments:

Optional comments for this Production Volume Report

# PV Complete



Record the CDX Transaction ID for each PV report submission in case there are any issues with the submission.

You will NOT receive CDX inbox messages for Production Volume Report submissions

## Complete

Your report has been submitted to EPA. If you have any questions, please contact EPA at 703-253-3259 or email [evcishelpdesk@epacdx.net](mailto:evcishelpdesk@epacdx.net). You can check the status of your submission on the Production Volume Reporting Home Page.

Report Setup Report Description Report Details Review & Confirm Complete

### Submission Summary

Date:	03/24/2022	Process Code:	Correction
Manufacturer Code:	EPA	Manufacturer Name:	Environmental Protection Agency
Industry:	Nonroad Compression-Ignition Engines	Report Type:	Production Volume Report
Model Year:	2012	EPA Report Identifier:	EPA-PV-2022-0000036
Transaction ID:	<b>_9918ca17-2140-453a-b10d-14f16116a698</b>		

[Go to My CDX](#) [Done](#)

# Testing & Deployment Information

- EPA will NOT be holding an official Manufacturer Testing period due to:
  - Limited/unknown availability of the EV-CIS testing environment
  - The time that would be required by manufacturers and EPA to get families certified in the testing environment, which is a prerequisite for testing the PV Reporting module
- The production release date has not yet been finalized, but both NRCI and Locomotive industries will be incorporated into the new PV Reporting module in calendar year 2022 in time to submit model year 2022 PV reports



## Contact Information

### **EV-CIS Help Desk**

Direct all system-related questions to the EV-CIS Help Desk—  
Email [evcishelpdesk@epacdx.net](mailto:evcishelpdesk@epacdx.net)

### **EV-CIS Listserver**

To sign up for the EV-CIS list server,  
send email to [evcis-subscribe@lists.epa.gov](mailto:evcis-subscribe@lists.epa.gov)

### **Manufacturer Information and Guidance Listserver**

To be notified when new manufacturer information letters, guidance letters and advisory circulars are issued for vehicle, engine, and equipment programs, join the Manufacturer Information list server by sending email to [manufacturer-info-subscribe@lists.epa.gov](mailto:manufacturer-info-subscribe@lists.epa.gov).



## Resources

### **EV-CIS Website**

<https://www.epa.gov/vehicles-and-engines>

### **EV-CIS User Registration**

<https://www.epa.gov/ve-certification/how-register-engines-and-vehicles-compliance-information-system-ev-cis>

### **System Documentation and Guidance for Production Volume Reporting**

<https://www.epa.gov/ve-certification/system-documentation-and-guidance-production-volume-reporting>



Questions?