



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

Production Volume Reporting Module Updates:

Industries to be Added in January 2022 for Model Year 2021 Reporting

All-Terrain Vehicles, Heavy-Duty Tractors & Vocational Vehicles, Large Spark-Ignition Engines, Marine Compression-Ignition Engines, Marine Spark-Ignition Engines, Off-Highway Motorcycles, On-Highway Electric Motorcycles, **On-Highway Motorcycles**, Small Spark-Ignition Engines, Snowmobiles

Informational Meeting
December 1, 2021

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

- Locomotives and Nonroad Compression-Ignition Engines* will be added to the new production volume reporting module sometime in calendar year 2022 in time for model year 2022 reporting. Timing and information about these industries will be communicated as soon as it is available
- Light-Duty Vehicles & Trucks and Heavy-Duty Highway Class 2b/3 Vehicles do not have plans to be incorporated into the new PV reporting module at this time

* On-Highway Motorcycles which was previously included with the industries that would be incorporated into the new PV Reporting module in time for MY 2022 reporting will now be included with the January 2022 release in time for MY 2021 reporting.

Agenda

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

What's Happening?

- Beginning January 10, 2022 (with a possible backup date of January 24, 2022), the following additional industries will be incorporated into the new EV-CIS PV Reporting module* in time to submit model year 2021 production volume reports:
 - All-Terrain Vehicles (Part 1051)
 - Heavy-Duty Vehicles GHG Phase II (Part 1037)
 - Large Spark-Ignition Engines (Part 1048)
 - Marine Compression-Ignition Engines (Part 1042)
 - Marine Spark-Ignition Engines (Part 1045)
 - Off-Highway Motorcycles (Part 1051)
 - On-Highway Electric Motorcycles (Part 86)
 - On-Highway Motorcycles (Part 86)+**
 - Small Spark-Ignition Engines (Part 1054)
 - Snowmobiles (Part 1051)

**The new PV Reporting module was originally released in November 2020 to unify and streamline the PV reporting process across all industries. The first release only supported Heavy-Duty Engines (Phase I and II).*

+On-Highway Motorcycles will now be one of the industries incorporated into the new PV Reporting module in January 2022.

What's Happening?

- Prior to January 10, 2022*, you do not need to submit any model year 2021 PV reports for any of the newly added industries using legacy PV reporting methods since all model year PV 2021 reports will need to be resubmitted to the new module once it is available

**Backup date of January 24, 2022*

What's Happening?

- Beginning January 10, 2022 (with a possible backup date of January 24, 2022), any corrections/updates to pre-model year 2021 PV reports for the newly added industries will also need to be submitted to the new PV Reporting module*
- The legacy PV reporting methods will be decommissioned for these industries
- The first time a correction/update for a pre-model year 2021 report is needed, it will be created using the “Create Submission” button as if it is a new report
- Any subsequent corrections/updates for the same pre-model year 2021 report can be made using the “Revise” or “Edit” option (depending on the status of the report)

** Corrections to Model Year 2020 and earlier Heavy-Duty Vehicle GHG Phase I PV reports will be submitted using the link at the bottom of the PV Reporting Home screen*

PV Reporting Changes- Home Screen

- The Production Volume Home screen shows all PV reports for all model years created by any users for your Manufacturer Code
 - 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
 - To further filter the list of displayed PV reports, type additional text in the Search box separated by spaces
 - To display PV reports for a different industry, clear the auto-populated industry from the Search box and begin typing the desired industry name
 - To display PV reports for all industries, clear the auto-populated industry from the Search box
 - Any user can view or edit any report, regardless of who initially created it (unless another user is currently editing it in which case it will be locked)

PV Reporting Changes- Home Screen

- Click the “Create Submission” button to create a new PV report
- 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 Changes- Report Description

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

PV Reporting Changes- Report Details

- All certified families (and models if applicable) will be auto-populated on the Report Details screen so that required production volumes can be entered*
- A report can only be submitted to EV-CIS after all required production volumes have been entered
- Incomplete reports can be saved as pending reports
- Note- All industries being added in January 2022 report production volumes at the family-level except for On-Highway Motorcycles which report at the model-level and Heavy-Duty Vehicles which report at the vehicle level

* *Heavy-Duty Vehicle GHG Phase II PV report details are contained in an attached CSV file which is not loaded onto the Report Details screen*

PV Reporting Changes- Report Details Data Import

- Production volume data can be imported onto the Report Details screen from a properly formatted CSV template in lieu of manually entering the data onto the screen*
- The correct CSV template must be used for the applicable industry (i.e., Family-level reporting industries, Heavy-Duty Engines, or On-Highway Motorcycles)
- Any rows of the CSV that do not match certified data will not be imported
- Any rows of the CSV will overwrite any previously-entered data already entered on the user interface for the same family/model
- Data entered on the user interface that does not match a row of the CSV file will not be modified after importing a CSV file
- Upon clicking the Review & Confirm button, any imported data will undergo the same validation as data that was manually entered

* Except for Heavy-Duty Vehicles which must attach a CSV file which is not loaded onto the Report Details screen

PV Reporting Changes- Data Import

To import data from a CSV file:

1. Click the [“Import Family Data from a CSV File”](#) button
2. Click the [“Choose File”](#) button and browse for and select the 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 on the Report Details screen will be imported

The screenshot shows the 'Production Volume Reporting' interface. A modal window titled 'Import Family Data from Template' is open, displaying a 'Choose File' button (highlighted with a red box) and a file named 'V-Import-LSI2.csv'. Below the file name, there is a warning: 'WARNING: Production volume data imported from this file will replace any production volume data you have already entered! Production volume data for any family and model combinations not included in the imported file will not be modified.' At the bottom of the modal, there are 'Cancel' and 'Import' buttons (the 'Import' button is highlighted with a red box).

Below the modal, the main interface shows the 'Report Details' for 'Production Volume Report' (Report Name: LSI-2021). A button labeled 'Import Family Data from a CSV File' is highlighted with a red box. Below this, there is a 'List of Families' table with a search bar and a 'Hide Completed Records' button. The table has columns for Family Name, Status, Projected Sales (Federal), Projected Sales (CA), Projected Sales (Total U.S.), Production Volume (CA), and Production Volume (Total U.S.)*. The table contains two rows of data, with the Production Volume columns highlighted by a red box.

Family Name	Status	Projected Sales (Federal)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (CA)	Production Volume (Total U.S.)*
MEPAB02.0481	Certified	8599	1399	9998	1000	10000
MEPAB02.1EE3	Suspended	2000	100	2100		2000

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 Changes- Data Import

Example of CSV template for a family-level reporting industry (i.e., ATV, electric-MC, LSI, MCI, MSI, Off-HMC, SSI, Snowmobiles):

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	# This is a template for importing Production Volume Report data for the industries that report production volumes at the family-level.																							
2	# Family-level reporting industries include: All-Terrain Vehicles, Electric-Motorcycles, Large Spark-Ignited Engines, Marine Compression-Ignition Engines, Marine Spark-Ignition Engines, Off-Highway Motorcycles, Small Spark-Ignition Engines, Snowmobiles).																							
3	# Make sure your file is saved in CSV format before uploading it to the screen.																							
4	#																							
5	# 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.																							
6	# In some cases, the user may wish to change the default list separator character in Windows. (Start Settings Control Panel Regional and Language Options Customize List Separator)																							
7	# Any row that starts with a '#' in the first column will be ignored																							
8	# See examples below.																							
9	#																							
10	# Model Y	Family Name	Production	Production Volume (Total U.S.)																				
11	# PV-1	PV-2	PV-10	PV-11																				
12	#**Requir	**Required**	**Optiona	**Required**																				
13	#																							
14	2021	MEPAB02.0481	1001	10001																				
15	2021	MEPAB02.1EE4	5	500																				
16	2021	MEPAB02.0481																						
17	#2021	MEPAB02.1EE3	101	2202																				
18	#																							
19	# Note: Row 14 will be imported since the Family Name matches one of the certified families on the PV Report Details screen, overwriting the data that was previously entered for the same Family Name.																							
20	# Note: Row 15 will NOT be imported since the Family Name does not match any of the certified families on the PV Report Details screen (the correct family is included in row 17 which is commented out).																							
21	# Note: Row 16 will be imported overwriting the data that was just imported for the same Family Name in row 14.																							
22	# Note: Row 17 will NOT be imported since it is commented out with the '#' at the beginning of the row, even though it matches one of the certified families on the PV Report Details screen.																							
23	# Note: Production volume data entered on the PV Report Details Screen for any certified families that are not included in the active CSV data rows above will not be modified after uploading this CSV file.																							
24																								

PV Reporting Changes- Data Import

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

- The values for MEPAB02.0481 were updated twice due to the duplicate family name in rows 14 and 1 (first the values of 1,000 and 10,000 that were already on the screen were replaced with 1,001 and 10,001 from the first record in the CSV file for this family and then those values were deleted since they were blank in the second record for this family)
- The values for MEPAB02.1EE3 entered on the screen were not updated since there is not an active row in the CSV file for this family

Report Details

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

EPA Manufacturer Code: **EPA** Manufacturer Name: **Environmental Protection Agency**

EPA Report Identifier: **EPA-PV-2021-0000140** Industry: **Large Nonroad Spark-Ignition Engines**

Report Type: **Production Volume Report** Report Name: **LSI-2021**

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

List of Families:

Search for Families...

Family Name	Status	Projected Sales (Federal)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (CA)	Production Volume (Total U.S.) *
MEPAB02.0481	Certified	8599	1399	9998	<input type="text"/>	<input type="text"/>
MEPAB02.1EE3	Suspended	2000	100	2100	<input type="text"/>	2000

PV Reporting Changes- Small SI Industry Only

- 1054.801 establishes a Small SI small volume manufacturer threshold of 25,000 handheld engines or 10,000 nonhandheld engines
- For each Small SI PV report submission, EV-CIS will calculate the total production volume for handheld families and for nonhandheld families
 - If the small volume manufacturer threshold is exceeded for either handheld or nonhandheld engines, PV warning business rules will state that the manufacturer will no longer qualify as a small volume manufacturer for the exceeded family category (i.e., handheld, nonhandheld, or both)
 - New business rules for Small SI certification application datasets and Requests for Certificates will not allow the Small Volume Manufacturer Indicator to equal “Yes” in future model years if the small volume manufacturer threshold was exceeded for the same family category in a PV report for any previous model year



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 displays 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 table titled "Services" with a "Manage" link. The table has three columns: Status, Program Service Name, and Role. The first two columns have dropdown arrows. The table lists three entries, all for "EV-CIS: Engines and Vehicles - Compliance Information System". The roles listed are "Company Approving Official (CAO)", "CROMERR Signer", and "Submitter". The "Submitter" role is highlighted with a red circle.

Status	Program Service Name	Role
	EV-CIS: Engines and Vehicles - Compliance Information System	Company Approving Official (CAO)
	EV-CIS: Engines and Vehicles - Compliance Information System	CROMERR Signer
	EV-CIS: Engines and Vehicles - Compliance Information System	Submitter

EV-CIS Home*

*Screen may vary across industries

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)

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

EV-CIS Home

What would you like to do?

- Maintain Manufacturer Information
- Submit Certification Information
- Request Certificate or CSI Update
- Submit Fuel Economy Label Information
- Submit Compliance Information**
- 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 Reporting Home interface for Small Nonroad Spark-Ignition Engines. The header includes the EPA logo, EV-CIS logo (Engines and Vehicles - Compliance Information System), and navigation links for My CDX and CDX Inbox. The main content area is titled "Small Nonroad Spark-Ignition Engines" and features a "Change Industry" button. Five main modules are displayed in a grid: "Averaging, Banking, and Trading" (scales icon), "Defects and Recalls" (wrench and screwdriver icon), "Production Line Testing" (factory and clipboard icon), "Production Volume" (clipboard with bar chart icon, circled in red), and "Selective Enforcement Audit" (factory and magnifying glass icon). A "Don't see what you're looking for?" section contains an "Upload Compliance Documents" button. The background features a cityscape and mountains.

PV Reporting Home (Submission History)

Click the [“Create Submission”](#) button to create a PV report for a new model year or to create a correction to a pre-MY2021 report (see below for for HD Vehicles)

The [“HD Vehicle GHG Phase I PV Reporting”](#) button will be used to submit corrections to pre-MY2021 HDV reports

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

← Production Volume Reporting

Home

Submission History

[Create Submission](#) [Export All](#) [Print All](#) [Refresh](#) **Submission Status:** Show All

Mfr Report Name	EPA Submission ID	Model Year	Industry	Submission Status	Last Modified	Last Modified By	Actions
Production Volume Report Family MY 2021	EPA-PV-2021-0000105	2021	Small Nonroad Spark-Ignition Engines	Pending In Progress	09/13/2021 05:16:25 pm	Ching-Shih Yang	Select
Production Volume Report Family MY 2021	EPA-PV-2021-0000105	2021	Small Nonroad Spark-Ignition Engines	Submitted	09/13/2021 03:40:13 pm	Ching-Shih Yang	Select

Show 10 entries Showing 1 to 2 of 2 entries (filtered from 34 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 and selected industry 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 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: * Large Nonroad Spark-Ignition Engines

Report Type: * Production Volume Report Model Year: * 2021

Manufacturer Report Name: * Manufacturer Report ID:

Comments (3949 characters available): **CR-19**

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 Report Description

Select 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

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

← Production Volume Reporting

Report Description

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

EPA Manufacturer Code: EPA
EPA Report Identifier: EPA-PV-2021-0000122
Report Type: Production Volume Report

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

Contact(s): * Select Contact..

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 Report Details

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

← Production Volume Reporting

Report Details

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

EPA Manufacturer Code: **EPA** Manufacturer Name: **Environmental Protection Agency**
EPA Report Identifier: **EPA-PV-2021-0000101** Industry: **Marine Spark-Ignition Engines**
Report Type: **Production Volume Report** Report Name: **1st MSI PV Report**

List of Families:

Search for Families... Hide Completed Records

Family Name	Status	Projected Sales (Federal)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (CA)	Production Volume (Total U.S.) *
MEPAM07.9LX2	Certified	150	0	150	0	200
MEPAM07.9LXB	Certified	150	0	150	0	180
MEPAM4.002G2	Certified	2699	49	2748	45	2999
MEPAM4.002G4	Certified	2699	49	2748		
MEPAM4.002G5	Certified	2699	49	2748	41	2510
MEPAM4.002G6	Certified	2699	49	2748	51	3171

Comments (3961 characters available):
Testing MSI PVR during DEV#3 deployment

← Back Exit Save Review & Confirm →

This report cannot be submitted until all the required production volumes have been entered for all families included on the Report Details screen

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 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 (Note- Click the “Exit” button to return to the PV Home screen and keep this PV report as pending or click the “Back” button to edit this PV report to resolve any business rule errors

The screenshot displays the 'Review & Confirm' screen in the EPA EV-CIS system. The progress bar at the top indicates the current step is 'Review & Confirm'. The 'Report Setup' section is expanded, showing the following details:

- Manufacturer Code: EPA
- EPA Report Identifier: EPA-PV-2021-0000101
- Report Type: Production Volume Report
- Manufacturer Report Name: 1st MSI PV Report
- Manufacturer Name: Environmental Protection Agency
- Industry: Marine Spark-Ignition Engines
- Model Year: 2021
- Manufacturer Report ID: MSI-2021

The 'Report Description' section shows the contact information for Mrs. Christi Poirier and a summary of modifications: 'Testing out modifying a submitted report.'

The 'Report Details' section includes a table of families:

Family Name	Status	Projected Sales (Federal)	Projected Sales (CA)	Projected Sales (Total U.S.)	Production Volume (CA)	Production Volume (Total U.S.)
MEPAM07.9LX2	Certified	150	0	150	0	200
MEPAM07.9LXB	Certified	150	0	150	0	180
MEPAM4.002G2	Certified	2699	49	2748	45	2999
MEPAM4.002G4	Certified	2699	49	2748	32	2777
MEPAM4.002G5	Certified	2699	49	2748	41	2510
MEPAM4.002G6	Certified	2699	49	2748	51	3171

At the bottom of the screen, the 'Back', 'Exit', and 'Submit' buttons are highlighted with red boxes.

PV Complete



It is recommended that you 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 that include the Transaction ID 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. 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:	09/09/2021	Process Code:	Correction
Manufacturer Code:	EPA	Manufacturer Name:	Environmental Protection Agency
Industry:	Marine Spark-Ignition Engines	Report Type:	Production Volume Report
Model Year:	2021	Report ID:	EPA-PV-2021-0000101
Transaction ID:	_00d54fab-f42b-4e80-aa16-431477edb46d		

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

Testing & Deployment Information

- There will **NOT** be an official Manufacturer Testing period for this release
- The release is scheduled to be completed by January 10, 2022 (or by January 24, 2022 if the backup deployment date is needed).
- For the industries being added to the PV Reporting module:
 - Plan to submit all model year 2021 production volume reports to the new PV reporting module
 - Prior to January 2022, do not submit any model year 2021 PV reports using legacy reporting methods



Contact Information

EV-CIS Help Desk

Direct all system-related questions to the EV-CIS Help Desk—
Email evcishelpdesk@epacdx.net

EV-CIS Listserver

To sign up for the EV-CIS list server,
send email to evcis-subscribe@lists.epa.gov

Manufacturer Information and Guidance Listserver

To be notified when new manufacturer information, 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.



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>



Resources

System Documentation and Guidance for Production Volume Reporting

- <https://www.epa.gov/ve-certification/system-documentation-and-guidance-production-volume-reporting>
- <https://www.epa.gov/ve-certification/templates-heavy-duty-vehicle-greenhouse-gas-ghg-production-volume-reporting-and>



Questions?