Supplemental Application Template

Burden Statement for EPA Form Number: 5900-689

Instructions

This supplemental application template should be completed and submitted as part of the application materials for the Clean Heavy-Duty Vehicles Grant Program. Please work with relevant parties (i.e., transportation contractor, bus dealer, etc.) to ensure information submitted is as accurate as feasible at the time of application. The applicant must fill out shaded cells highlighted **blue** with a diagonal pattern (///) to the best of their ability. Cells highlighted **yellow** are automatically populated based on previous responses in this spreadsheet. Fields shaded in white are encouraged, but may not be known at the time of application. Additionally, some fields will hash out with a **bold** diagonal pattern (///) if those fields are not applicable based on the information provided in previous cells. Please complete tabs in this workbook according to the instructions below.

Excel Workbook Tab	Definition
1. Instructions	Basic instructions for all worksheets in this reporting workbook.
2. Fleet Description	The Fleet Description tab should detail all vehicles impacted under the project. The Fleet Description should be completed at the time of application; if selected, awardees will update this table quarterly with all vehicle upgrades completed. The applicant must fill out shaded cells highlighted **blue** with a diagonal pattern (///) to the best of their ability. Fields in **yellow** will be automatically populated based on previous responses. Fields shaded in white are encouraged, but may not be known at the time of application. Additionally some fields will hash out with a **bold** diagonal pattern (///) if those fields are not applicable based on the information provided in previous cells. This Fleet Description is broken into two sections: 1) Current Vehicle Information, and 2) New Vehicle Upgrade Information. The sheet has capacity for 100 vehicles. Please refer to the Fleet Description data definitions on tab 4 (Data Dictionary) for data field definitions.
3. Infrastructure	The Infrastructure tab should detail all electric vehicle supply equipment (EVSE) and other eligible supporting infrastructure planned as part of the project; if selected, awardees will update these tables be updated quarterly as EVSEs and other infrastructure are procured and installed. The applicant must fill out shaded cells highlighted **blue** with a diagonal pattern (///) to the best of their ability. Fields in **yellow** will be automatically populated based on previous responses. Fields shaded in white are encouraged, but may not be known at the time of application. Additionally, some fields will hash out with a **bold** diagonal pattern (///) if those fields are not applicable based on the information provided in previous cells. Additional rows may be add as needed to capture all units of supporting infrastructure. The final text field on this tab may be used to supply information about planned hydrogen fueling infrastructure and other types of eligible infrastructure under this program. Please refer to the Infrastructure data definitions on Tab 4 (Data Dictionary) for data field definitions. Reminder: All Level 2 EVSEs must be ENERGY STAR certified, and all infrastructure must comply with Build America, Buy America (BABA) requirements.
4. Data Dictionary	Please refer to the dictionary on this tab for support in completing the Fleet Description and Infrastructure Tabs.

Applicant Name	
SAM.gov Unique Entity ID	
Project Title	

The Fleet Description should detail all vehicles anticipated to be replaced under the project and, to the e
with a diagonal pattern (///) to the best of your ability. Fields in **yellow** will be automatically populated b
fields will hash out with a **bold** diagonal pattern (///) if those fields are not applicable based on the infor
has capacity for 100 vehicles. Please refer to the Fleet Description data definitions on tab 4 (Data Dictior

Table 1. CURRENT VEHICLE INFORMATION

	1a. Basic Fleet Information		1b. Current Vehicle Type Information	
Vehicle	**Group Name**	**Current Fleet Owner**	**Vehicle Type** *(select from dropdown)*	**Vehicle Class** *(select from dropdown)*
Example Vehicle	ESBs for District A	Sarah Smith	Short Haul - Single Unit	Class 6
Vehicle 1				
Vehicle 2				
Vehicle 3				
Vehicle 4				
Vehicle 5				
Vehicle 6				
Vehicle 7				
Vehicle 8				
Vehicle 9				

Vehicle 10				
Vehicle 11				
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Vehicle 95				
Vehicle 96				
Vehicle 97				

Vehicle 98				
Vehicle 99				
Vehicle 100				

U. S. Environmental Protection Agency

Clean Heavy-Duty Vehicles (CHDV) Grant Program

Fleet Description

Instructions

extent details are known at this time, all replacement vehicles that will be purchased using Clean H
based on previous responses. Fields shaded in white are highly encouraged, but optional, as these
rmation provided in previous cells. This Fleet Description is broken into two sections: 1) Current Ve
nary) for data field definitions.

Vehicle Vocation *(select from dropdown)*	**Vehicle Group Sector** *(select from dropdown)*	**Vehicle Identification Number**	**Vehicle Manufacturer**
Drayage	Port	12345678910ABCDEFG	Manufacturer Name

eavy-Duty Grants funding. Please fill out shaded cells highlighted **blue**
data may not be known at the time of application. Additionally, some
hicle Information and 2) New Vehicle Upgrade Information. The sheet

Vehicle Model	**Baseline Vehicle Model Year**	**Baseline Engine Fuel Type** *(select from dropdown)*	**Engine Family Name** (*if unregulated, then enter N/A*)
Model Name or #	1995	Diesel	N/A

	1c. Current Vehicle Usage Information	
Gross Vehicle Weight Rating (GVWR)	**Annual Miles Traveled** *(miles per vehicle, using the average for the prior 2 years. Please see the NOFO section III.D.2 which describes the minimum mileage required.)*	**Annual Idling Hours** *(hours per vehicle, using the average for the prior 2 years.)*
10150	140000	12000

		1d. Current Vehicle Place(s) of Performance	
		Primary Place of Performance	
Current Odometer *(in miles)*	**Annual Amount of Fuel Used** *(gallons/year per engine)*	**School District Name** *(if applicable)*	**NCES ID** *(if applicable)*
1500000	6000	Warren 01	123456

State *(select from dropdown)*	**County** *(select from dropdown)*	**Percentage of Time Operated in County**	**Place of Performance: City**
SC	Warren	100%	Springhill

Secondary Place of Performance (if applicable)

School District Name *(if applicable)*	**NCES ID** *(if applicable)*	**State**	**County**
Warren 01	123456	SC	Warren

		Additional Location Details (if applicable)	
Percentage of Time Operated in County	**Place of Performance: City**	**Additional Counties Where Vehicle Operates**	**Percentage of Time Operated in Each Additional County**
100%	Springhill		

			Table 2. NEW REPLACE
1e. Vehicle Disposition Process			**2a. Upgrade Vehicle In**
Anticipated Vehicle Disposition Method	**If sold or donated, provide the state in which the existing vehicle is expected to primarily operate** *(if known)*	**If sold or donated, provide the county in which the existing vehicle is expected to primarily operate** (*if known)*	**Year of Upgrade Action**
Scrapped	CA	Alameda County	2025

MENT VEHICLE INFORMATION

formation

New Vehicle Fleet Owner	**New Vehicle Class** *(select from dropdown)*	**New Vehicle Fuel Type**
Walton School District	Class 6	Battery Electric

Optional, but highly encouraged if known*

New Vehicle Manufacturer *(if known)*	**New Vehicle Model** *(if known)*	**New Vehicle GVWR** *(if known)*	**Capable of Bidirectional Charging?** *(Yes/No/NA)*
Manufacturer Name	Model Name or #	12000	Yes

	2b. Upgrade Cost		2c. New Vehicle Place(Primary Place of Perfor
Estimated Range in Miles	**Estimated Acquisition Cost per Vehicle**	**Total EPA Funds Requested Per Vehicle** *($ of Total Cost per Unit)*	**School District Name** *(if applicable)*
200	$ 375,000.00	$ 325,000.00	Warren 01

s) of Performance

mance

NCES ID *(if applicable)*	**State** *(select from dropdown)*	**County** *(select from dropdown)*
123456	SC	Warren

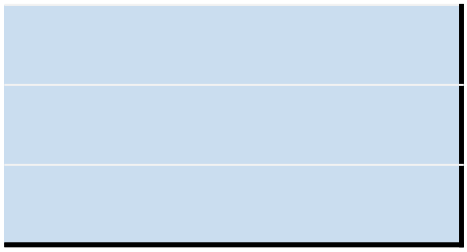
		Secondary Place of Performance
Percentage of Time operated in County *(Enter value between 0-1, where 1 = 100%)*	**City**	**School District Name** *(if applicable)*
100%	Springhill	Warren 01

(if applicable)

NCES ID *(if applicable)*	**State** *(select from dropdown)*	**County** *(select from dropdown)*	**Percentage of Time operated in County** *(enter value 0-1, where 1 = 100%)*
123456	SC	Warren	100%

	Additional Location Details (if applicable)	
City	**Additional Counties Where Vehicle Operates**	**Percentage of Time Operated in Each Additional County**
Springhill	Pima County, AZ; La Paz County, AZ	5% in Pima; 5% in La Paz

2d. BABA Compliance
Is a waiver being used to fulfill BABA compliance for this vehicle?
No - Vehicle meets all BABA requirements



Below are three tables (Table 3, Table 4, and Table 5), and an additional question below Tab

The EVSE Equipment Information (Table 3) should detail all electric vehicle supply equipmer district applicants the infrastructure needs to be listed by school district and/or city. That is, installed in two different locations, the EVSE needs to appear as two separate EVSE Groups. station (gas or liquid), where hydrogen will be stored (above or below ground), the total hy cost for acquisition of each eligible component (e.g., fueling pedestals, tanks, compressors, other eligible expenses related to hydrogen fueling projects.

Please fill out shaded cells highlighted **blue** with a diagonal pattern (///) to the best of your in white are highly encouraged, but optional, as these data may not be known at the time o Please refer to the Infrastructure data definitions on Tab 4 (Data Dictionary) for data field d infrastructure components must comply with Build America, Buy America (BABA) requirem

On November 15, 2021, the Infrastructure Investment and Jobs Act ("IIJA"), Pub. L. No. 117- iron, steel, manufactured products, and construction materials used in infrastructure projec regardless of whether or not the infrastructure project was the primary basis for the award. information, please visit https://www.epa.gov/cwsrf/build-america-buy-america-baba.

Do you attest that you have read the BABA requirements described above?

Table 3. Electric Vehicle Service Equipment

	Table 3a. EVSE Equipment Information Over	
	Type of Charger	**If Level 2, is it ENERGY STAR certified**
Example EV Infrastructure	Level 2	Yes
EVSE Group 1		

EVSE Group 2		
EVSE Group 3		
EVSE Group 4		
EVSE Group 5		
EVSE Group 6		
EVSE Group 7		
EVSE Group 8		
EVSE Group 9		
EVSE Group 10		
EVSE Group 11		
EVSE Group 12		
EVSE Group 13		
EVSE Group 14		
EVSE Group 15		
EVSE Group 16		
EVSE Group 17		
EVSE Group 18		

EVSE Group 19		
EVSE Group 20		
EVSE Group 21		
EVSE Group 22		
EVSE Group 23		
EVSE Group 24		
EVSE Group 25		
EVSE Group 26		
EVSE Group 27		
EVSE Group 28		
EVSE Group 29		
EVSE Group 30		

Note: If the wind or solar power generation includes an energy storage system, informati

Table 4. Solar and Wind Power Generation Equipment

Table 4a. Solar and Wind Power Generation

Type of energy generation	**Manufacturer of Solar or Wind Power Generation System**

Example Solar or Wind Power Generation	Solar	*Manufacturer Name*
Solar or Wind Power Generation 1		
Solar or Wind Power Generation 2		
Solar or Wind Power Generation 3		
Solar or Wind Power Generation 4		
Solar or Wind Power Generation 5		
Solar or Wind Power Generation 6		
Solar or Wind Power Generation 7		
Solar or Wind Power Generation 8		
Solar or Wind Power Generation 9		
Solar or Wind Power Generation 10		

Table 5. Battery Energy Storage System (BESS) Equipment Information

	5a. BESS Overview	
	Type of Battery	**Manufacturer of BESS**

BESS Example	Lithium-Ion	*Manufacturer Name*
BESS Group 1		
BESS Group 2		
BESS Group 3		
BESS Group 4		
BESS Group 5		
BESS Group 6		
BESS Group 7		
BESS Group 8		
BESS Group 9		
BESS Group 10		

Are there any other infrastructure projects, including hydrogen fueling projects, associated wi

If no, *please leave this section blank.* If yes, please provide details in the box below on the infras
For hydrogen fueling projects, please provide as much detail as known or anticipated at time of
estimated annual hydrogen to be dispensed (in kg), the hydrogen generation pathway (see Data
total funds requested for each eligible component, the total cost for installation of the system, t

U. S. Environmental Protection Agency

Clean Heavy-Duty Vehicles (CHDV) Grant Program

Infrastructure Description

Instructions

ole 5. Please complete all 4.

nt (EVSE) and supporting infrastructure purchased under the project. Table 4 focuses on on-si
, if School District A and School District B are procuring the same EVSE, the EVSE will appear a
If your project includes hydrogen refueling infrastructure, please describe using the text box
drogen storage capacity (in kg), the estimated annual hydrogen to be dispensed (in kg), the h
cooling system, etc.), the total funds requested for each eligible component, the total cost fo

ability. Note, additional rows may be added as needed to capture all equipment. Fields in **ye**
f application. Additionally, some fields will hash out with a **bold** diagonal pattern (///) if thos
efinitions. Reminder: All Level 2 EVSEs must be ENERGY STAR certified. All EVSE, on-site powe
ents. See below for more information on BABA.

Build America, Buy America (BABA) requirements

-58, which includes the Build America, Buy America Act (BABA), Public Law 117-58, §§ 70901-
ct are produced in the United States. If award recipient will be installing, upgrading, or replaci
. Additionally, BABA requirements apply even if the award recipient will be using another sou

view

Optional, but highly encouraged if known*

EVSE Manufacturer	**EVSE Model**	**EVSE Manufacture Year**	**EVSE Maximum Output Power** *(kW)*
Manufacturer Name	*Model Name*	2023	24

on for such system needs to be documented in the table below this one (Table 5).

Equipment Information Overview

Optional, but highly encouraged if known*

Model of Solar or Wind Power Generation	**Manufacture Year of Solar or Wind Power Generation**	**Generation Capacity of the system** *(please indicate kW or MW)*	**Total Estimated Acquisition Cost Per Power Generation System**

Model Name	2023	15 kW	$ 45,000.00

Optional, but highly encouraged if known*

Model of BESS	**Manufacture Year of BESS**	**Energy Capacity** *(please indicate kWh or MWh)*	**Total Estimated Acquisition Cost Per Unit of Equipment:**

Model Name	2023	36kWh	$ 48,000.00

th this grant that are not listed above?

structure project and describe how BABA compliance was determined.
application, such as: the type of station (gas or liquid), where hydrogen will be stored (above or b
a Dictionary for more options), the total cost for acquisition of each eligible component (e.g., fuel
the total funds requested for installation, and any other eligible expenses related to hydrogen fue

ite power generation systems and Table 5 on battery storage systems. For school
ıs two separate EVSE Groups. Similarly, for large school districts, if EVSE are being
after Table 5 at the bottom of this tab, about the following features: the type of
ydrogen generation pathway (see Data Dictionary for more options), the total
ır installation of the system, the total funds requested for installation, and any

llow will be automatically populated based on previous responses. Fields shaded
e fields are not applicable based on the information provided in previous cells.
er generation systems, battery energy storage systems (BESS), and any other

52, was signed into law. BABA requires that on or after May 14, 2022, all of the
ing "infrastructure," then BABA requirements apply to the infrastructure project,
rce of funding, whether in part or wholly, for the infrastructure project. For more

Number of Plugs on EVSE	Will the EVSE Be Capable of Bidirectional Charging?	Will the Vehicle and EVSE be Used for Vehicle to Grid (V2G)?	Number of EVSE Units	Total Estimated Acquisition Cost per EVSE Unit
2	No	No	2	$ 16,000.00

Total EPA Funds Requested Per Power Generation System	Total Estimated Cost for Installation	Total EPA Funds Requested for Installation	Total Estimated Cost of Equipment and Installation	Total EPA Funds Requested for Installation

$ 45,000.00	$ 7,000.00	$ 5,000.00	$ 52,000.00	$ 50,000.00
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -

Total EPA Funds Requested Per Unit:	Total Estimated Cost for Installation:	Total EPA Funds Requested for Installation:	Total Estimated Cost for Equipment and Installation	Total EPA Funds Requested for Equipment and Installation

$ 20,000.00	$ 12,000.00	$ 10,000.00	$ 60,000.00	$ 30,000.00
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
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			$ -	$ -
			$ -	$ -
			$ -	$ -

	(Y or N or N/A)
below ground), the total hydrogen storage capacity (in kg), the ing pedestals, tanks, compressors, cooling system, etc.), the eling projects.	

		Table 3b. Location of EV Infrastructure		
Total EPA Funds Requested for Acquisition of Each EVSE Unit	**Total EPA Funds Requested for EVSE Acquisition**	**State** *(Select from dropdown)*	**County** *(Select from dropdown)*	**City**
$ 12,000.00	$ 24,000.00	VA	Arlington County	Alexandria
	$ -			

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4b. Location of Solar and Wind Power Generation Infrastructure

State	County	City	Zip Code	Street Address

VA	Arlington County	Alexandria	22305	400 1st Street

5b. Location of BESS Infrastructure

State	County	City	Zip Code	Street Address

VA	Arlington County	Alexandria	22305	400 1st Street

Table 3c. Owners & Anticipated Users of EVSE

Zip Code	Street Address	Who will own the charger?	Anticipated User(s) of the charger
22305	400 1st Street	Walton School District	Electric school buses serving Walton School District

4c. Ownership and Use of Solar and Wind Power Generation Infrastructure

Who owns the equipment?	Anticipated Users of Solar or Wind Power Generation Infrastructure	If serving school districts, Name of the School District(s) the Solar or Wind Power Generation will serve	If serving school districts, NCES ID of School District that the Solar or Wind Power Generation will serve

Walton School District	Walton School District & NoVA Community College	Walton School District	1234567

5c. Ownership and Use of BESS Infrastructure

Who owns the equipment?	Anticipated Users of BESS	If serving school districts, Name of the School District the BESS will serve	If serving school districts, NCES ID of School District that the BESS will serve

Walton School District	Walton School District & NoVA Community College	Walton School District	1234567

If serving school districts, will the EVSE serve multiple school districts within this project?	**Name of the School District(s) the EVSE will serve** *(if applicable; use a semicolon between school districts)*	**NCES ID of School District that the EVSE will serve** *(if applicable; use a semicolon between school districts)*
Yes	Walton School District; Franklin School District	1234567; 7654321

4d. BABA Compliance
Optional, but highly encouraged if known*
Is a waiver being used to fulfill BABA compliance for the Solar or Wind Power Generation?

No - Infrastructure meets all BABA requirements

5d. BABA Compliance

Optional, but highly encouraged if known*

Is a waiver being used to fulfill BABA compliance for the BESS?

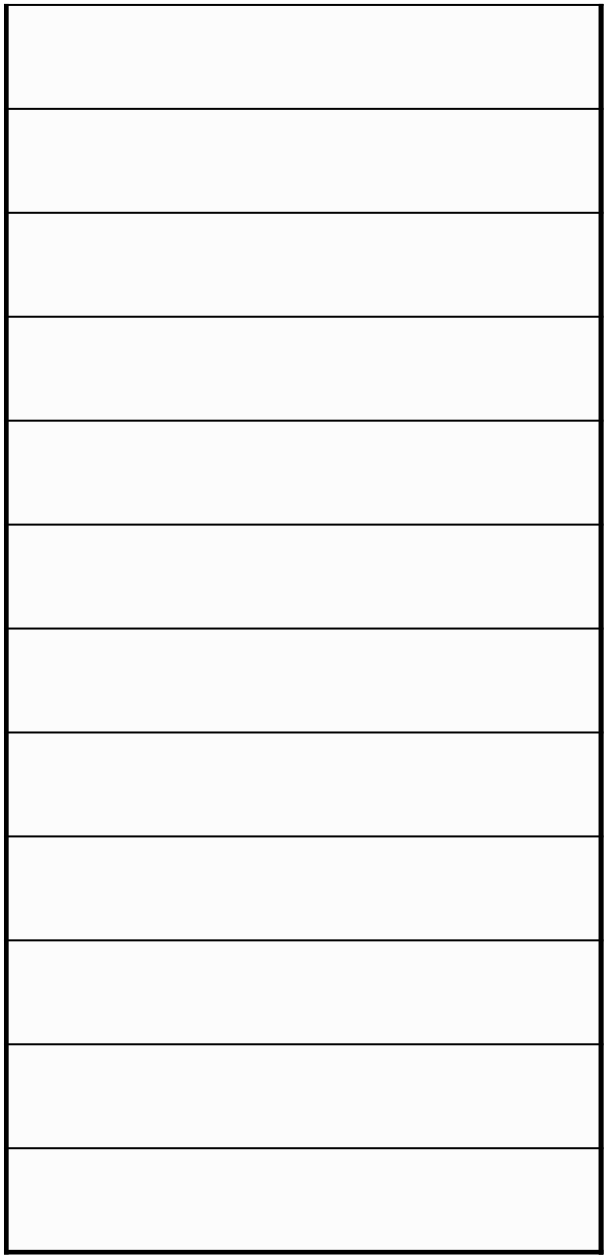
No - Infrastructure meets all BABA requirements

Table 3d. Infrastructure Installation Information		Optional, but highly encouraged if known*
Total Estimated Cost for EVSE Installation	**Total EPA Funds Requested for Installation Cost**	**Does the Infrastructure Equipment Cost Include Installation?**
$12,000	$7,000	No

Table 3e. EVSE Cost Summary

Total EPA Funds Requested for EVSE Equipment and Installation	Estimated Total Cost for EVSE Equipment and Installation
$31,000.00	$44,000.00

Table 3f. BABA Compliance Optional, but highly encouraged if known*
Is a waiver being used to fulfill BABA compliance for this EVSE?
No - Infrastructure meets all BABA requirements



Please refer to the following data field dictionary for su

Tab 2. Fleet Description

Applicant Name

SAM.gov Unique Entity ID

Project Title

Table 1. CURRENT VEHICLE INFORMATION

1a. Basic Fleet Information

Group Name

Current Fleet Owner

1b. Current Vehicle Information

Vehicle Type *(Select from dropdown)*

Vehicle Class *(Select from dropdown)*

Vehicle Vocation *(select from dropdown)*

Vehicle Group Sector *(select from dropdown)*

Vehicle Identification Number
Vehicle Manufacturer
Vehicle Model
Baseline Vehicle Model Year

Baseline Engine Fuel Type *(select from dropdown)*

Engine Family Name

1c. Current Vehicle Activity Information

GVWR

Annual Miles Traveled

Annual Idling Hours
Odometer
Annual Amount of Fuel Used

1d. Current Vehicle Place of Performance

Primary Place of Performance

School District Name *(if applicable)*

NCES ID *(if applicable)*

State *(select from dropdown)*

County *(select from dropdown)*
Percentage of Time operated in County
Place of Performance: City
Zip Code(s)
Secondary Place of Performance (if applicable)
School District Name *(if applicable)*
NCES ID *(if applicable)*
State *(select from dropdown)*
County *(select from dropdown)*
Percentage of Time operated in County
Place of Performance: City
Zip Code(s)
Additional Location Details (if applicable)
Additional Counties where Vehicle Operates
% of time operated in each Additional County
1e. Vehicle Disposition Process
Anticipated Vehicle Disposition Method
If sold or donated, provide the state in which the vehicle is expected to primarily operate *(if known)*
If sold or donated, provide the county in which the vehicle is expected to primarily operate (*if known)*
Table 2. New Replacement Vehicle Information
2a. Upgrade Vehicle Information
Year of Upgrade Action:
New Vehicle Fleet Owner
New Vehicle Class *(select from dropdown)*
New Vehicle Fuel Type:
New Vehicle Manufacturer:
New Vehicle Model:
New Vehicle GVWR:
Capable of Bidirectional Charging? *(Yes/No/NA)*
Estimate Range in Miles
2b. Upgrade Vehicle Information
Upgrade Cost per Bus
Total EPA Funds Expended Per Vehicle
2c. New Vehicle Place(s) of Performance

Primary Place of Performance
School District Name *(if applicable)*
NCES ID *(if applicable)*
State *(select from dropdown)*
County *(select from dropdown)*
Percentage of Time operated in County
Place of Performance: City
Zip Code(s)
Secondary Place of Performance (if applicable)
School District Name *(if applicable)*
NCES ID *(if applicable)*
State *(select from dropdown)*
County *(select from dropdown)*
Percentage of Time operated in County
Place of Performance: City
Zip Code(s)
Additional Location Details (if applicable)
Additional Counties where Vehicle Operates
% of time operated in each Additional County
2d. New Vehicle Place(s) BABA Compliance
Is a waiver being used to fulfill BABA compliance for this vehicle?
Tab 3. INFRASTRUCTURE
Table 3. Electric Vehicle Service Equipment
3a. EVSE Equipment Information Overview
Type of Charger
If Level 2, is it ENERGY STAR certified
EVSE Manufacturer
EVSE Model
EVSE Manufacture Year
EVSE Maximum Output Power *(kW)*

Number of Plugs on EVSE
Is the EVSE Capable of Bidirectional Charging?
Will the Bus and EVSE be Used for V2G?
Number of EVSE Units
EVSE Equipment Cost only Per Unit:
Total EPA Funds Expended Per EVSE Unit
Total EPA Funds Expended for EVSE
3b. Location of EV Infrastructure
State *(select from dropdown)*
County *(select from dropdown)*
City
Zip Code
Street Address
3c. Owners & Anticipated Users of EVSE
Who will own the charger?
Anticipated User(s) of the charger
If serving school districts, will the EVSE serve multiple school districts within this project?
Name of the School District(s) the EVSE will serve *(if applicable; use a semicolon between school districts)*
NCES ID of School District that the EVSE will serve *(if applicable; use a semicolon between school districts)*
3d. Infrastructure Installation Information
Total Funds Expended Installation Cost
Total EPA Funds Expended Installation Cost
Does the Infrastructure Equipment Cost Include Installation?
3e. EVSE Cost Summary
Total EPA Funds Expended on EVSE Equipment and Installation
Total Funds Expended on EVSE Equipment and Installation
3f. BABA Compliance
Is a waiver being used to fulfill BABA compliance for this EVSE?
Table 4. Solar and Wind Power Generation Equipment
4a. Solar and Wind Power Generation Equipment Informa

Type of energy generation
Manufacturer of Solar or Wind Power Generation
Model of Solar or Wind Power Generation
Manufacture Year of Solar or Wind Power Generation
Generation Capacity of the system (*please indicate kW or MW)*
Total Estimated Acquisition Cost Per Power Generation System
Total EPA Funds Requested Per Power Generation System
Total Estimated Cost for Installation
Total EPA Funds Requested for Installation
Total Estimated Cost of Equipment and Installation
Total EPA Funds Requested for Equipment and Installation
4b. Location of Solar and Wind Power Generation Infrastr
State
County
City
Zip Code
Street Address
4c. Ownership and Use of Solar and Wind Power Generat
Who owns the equipment?
Anticipated Users of Solar or Wind Power Generation Infrastructure
If serving school districts, Name of the School District(s) the Solar or Wind Power Generation will serve
If serving school districts, NCES ID of School District that the Solar or Wind Power Generation will serve
4d. BABA Compliance
Is a waiver being used to fulfill BABA compliance for the Solar or Wind Power Generation?
Table 5. Battery Energy Storage System (BESS) Equipment
5a. BESS Overview
Type of Battery
Manufacturer of BESS
Model of BESS
Manufacture Year of BESS
Energy Capacity *(please indicate kWh or MWh)*

Total Estimated Acquisition Cost Per Unit of Equipment:	
Total EPA Funds Requested Per Unit	
Total Estimated Cost for Installation:	
Total EPA Funds Requested for Installation:	
Total Estimated Cost for Equipment and Installation	
Total EPA Funds Requested for Equipment and Installation	
5b. Location of BESS Infrastructure	
State	
County	
City	
Zip Code	
Street Address	
5c. Ownership and Use of BESS Infrastructure	
Who owns the equipment?	
Anticipated Users of BESS	
If serving school districts, Name of the School District the BESS will serve	
If serving school districts, NCES ID of School District that the BESS will serve	
5d. BABA Compliance	
Is a waiver being used to fulfill BABA compliance for the BESS?	
Additional Questions	
Are there any other infrastructure projects, including hydrogen fueling projects, associated with this grant that are not listed above?	

If no, *please leave this section blank*. If yes, please provide details in the box below on the infrastructure project and describe how BABA compliance was determined.
For hydrogen fueling projects, please provide as much detail as known or anticipated at time of application.

U. S. Environmental Protection Agency

Clean Heavy-Duty Vehicles (CHDV) Grant Program

Data Dictionary

upport in completing tabs 2 & 3

Enter the name of the applicant associated with this application, as entered into Grants.gov
Enter the SAM.gov Unique Entity ID (UEI) associated with this applicant. The SAM.gov UEI is a 12-character alphanumeric ID a applying entity by SAM.gov
Enter the name of the project's title, as entered into Grants.gov
Enter the name of the vehicle group to which the vehicle described on this row of the table belongs; this may refer to a group referenced in the application or a fleet to which the vehicle belongs.
Enter the name of the current vehicle owner
Select the vehicle type from the dropdown menu; options include: Long Haul - Single Unit, Long Haul - Combination, Short Hau Short Haul - Combination, Refuse Hauler, School Bus, and Transit Bus
Select Vehicle Class from dropdown menu: Class 6, Class 7
Select Vehicle Vocation from dropdown menu: Delivery, Drayage, Emergency, Long Haul, Other, Refuse Hauler, School Bus, Sh Transit Bus, Utility
Select Vehicle Group Sector from dropdown menu: Agriculture, Airport, Construction, Freight, Industrial, Mining, Municipal, P School Bus
Enter the VIN number for each vehicle.
Enter the manufacturer of the existing vehicle.
Enter the model of the existing vehicle.
Enter the model year of the existing vehicle.
Select the type of fuel that is currently being used (prior to upgrade); options include: USLD (diesel), Biodiesel 5, Biodiesel 20, (lbs), LNG, LPG/Propane, Gasoline
Enter the Engine Family name of the existing engine. NOTE: unregulated engines will not have an Engine Family Name. If unre enter "NA"
Enter the gross vehicle weight rating (GVWR) of the existing vehicle.
Enter the average number of vehicle miles traveled per year per vehicle, using the average for the prior 2 years. Please see th III.D.2 which describes the minimum mileage required.
Enter the average number of hours the vehicle idles per year, using the average for the prior 2 years.
Enter the existing vehicle's current odometer reading, in miles.
Enter the amount of fuel used in gallons per year.
Enter the name of the school district in which the vehicle to be scrapped, sold, or donated has operated in.
Enter the name of the National Center for Education Statistics (NCES) ID associated with the school district in which the vehicl scrapped, sold, or donated has operated in. If you are unsure of the district's NCES ID, you can search for the district at https://nces.ed.gov/ccd/districtsearch/.
Select the two letter postal code for the state from the dropdown menu in which the vehicle to be scrapped, sold, or donated in. Note: the state field is required to enter the specific county field.

Enter the county in which the vehicle to be scrapped, sold, or donated has operated. Note: the list of counties will not populat state is selected.

Enter a value from 0 to 1, where 1 = 100%, to reflect the estimated percentage of time this vehicle operated in the listed coun

Enter the city in which the vehicle to be scrapped, sold, or donated has operated in.

Enter the zip codes where the vehicle operates; if there is more than one, separate using a semicolon (ex: 12345; 98765)

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Enter the zip codes where the vehicle operates; if there is more than one, separate using a semicolon (ex: 12345; 98765)

List the county name and state for additional counties where the vehicle operates; if there are more than one, separate using (e.g., St. Lucie County, FL; Martin County, FL)

List the estimated percent of time operated in each additional county; if there are more than one, separate using parenthesis (e.g., St. Lucie County (10%); Martin County (5%))

Select a vehicle disposition option from dropdown menu; options include: Scrapped, Sold, Donated

Select the state from the dropdown menu. Note: the state field is required to enter the specific county field.

Select the county from the dropdown menu. Note: the list of counties will not populate until the state is selected.

Enter the year the upgrade is anticipated to happen.

Enter the name of the new vehicle fleet owner

Select Vehicle Class from dropdown menu: Class 6, Class 7

Select the fuel type of the new vehicle: Battery Electric, Fuel Cell Electric

Enter the manufacturer of the new vehicle.

Enter the model of the new vehicle.

Enter the gross vehicle weight rating (GVWR) of the new vehicle.

Use the dropdown menu to select whether the vehicle will be capable of bidirectional charging.

Enter the estimated range in miles for the zero-emission vehicle.

Enter the cost of vehicle in dollars per unit.

Enter the EPA funds expended per vehicle in dollars per unit.

Enter the name of the school district in which the new vehicle is expected to operate in.

Enter the name of the National Center for Education Statistics (NCES) ID associated with the school district in which the new v
expected to operate in. If you are unsure of the district's NCES ID, you can search for the district at https://nces.ed.gov/ccd/di

Select the two letter postal code for the state from the dropdown menu in which the new vehicle is expected to operate in. N
field is required to enter the specific county field.

Enter the county in which the new vehicle is expected to operate in. Note: the list of counties will not populate until the state

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Enter the city in which the new vehicle is expected to operate in

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List the estimated percent of time operated in each additional county; if there are more than one, separate using parenthesis
(e.g., St. Lucie County (10%); Martin County (5%)

Please use the dropdown menu to select which of the following best describes how this vehicle's compliance with Buy Americ
(BABA) will be fulfilled. Options include: No - Infrastructure meets all BABA requirements; Yes - EPA's De Minimis Waiver; Yes
Project Waiver; Yes - EPA's Pacific Island Territories General Applicability Waiver; Yes - Project-Level Waiver; and Unsure

Enter the type of charger, either Level 2 (AC charging up to 19.2 kW) or DC Fast Charging.

Confirm and select yes if applicable. Please see https://www.energystar.gov/

Enter the manufacturer of the charging equipment

Enter the model name of the charging equipment.

Enter the year the charging equipment was manufactured.

Enter the maximum power output of the charging equipment, measured in kilowatts.

Enter the number of plugs installed on each unit of the charging equipment.
Select yes or no into the cell to specify whether the charging equipment is capable of bidirectional charging.
Select yes or no into the cell to specify whether the vehicles and charging equipment will be used for vehicle-to-grid (V2G) ser
Enter the quantity of charging equipment unit acquisition.
Enter the cost of the charging equipment per unit acquisition.
Enter the total EPA funds expended for charging equipment per unit acquisition.
Autopopulated field: This field multiplies the number of EVSE units by the Total EPA Funds Expended per EVSE Unit to calculat EPA funds expended for EVSE acquisition
Select the two letter postal code for the state from the dropdown menu in which the new vehicle is expected to operate in. N field is required to enter the specific county field.
Enter the county in which the new vehicle is expected to operate in. Note: the list of counties will not populate until the state
Enter the city in which the charging equipment will be located.
Enter the zip code in which the charging equipment will be located.
Enter the street address in which the charging equipment will be located.
Enter the name of the school district or organization that will own the charging equipment.
Enter the name(s) of the organization(s) that are anticipated to regularly use the charging equipment.
Select from dropdown: Yes, No, or NA- School Districts not served by this equipment
Enter the name(s) of school district(s) the EVSE is expected to serve. Use a semicolon to separate entries when entering multi
Enter the NCES ID(s) of school district(s) the EVSE is expected to serve. Use a semicolon to separate entries when entering mu
Enter the total installation costs for the charging equipment for the EV infrastructure group column.
Enter the total EPA funds expended for installation costs for the charging equipment for the EV infrastructure group column.
Please enter yes or no into the cell to specify whether the indicated cost of the charging equipment above includes any install
Automated cell that will calculate the total EPA Funds expended for the charging equipment and installation for an EV Infrastr
Automated cell that will calculate the total Funds expended for the charging equipment and installation for an EV Infrastructu
Please use the dropdown menu to select which of the following best describes how this infrastructure's compliance with Buy America (BABA) will be fulfilled. Options include: No - Infrastructure meets all BABA requirements; Yes - EPA's De Minimis Wai Small Project Waiver; Yes - EPA's Pacific Island Territories General Applicability Waiver; Yes - Project-Level Waiver
ation Overview

Select a type of energy generation, solar or wind.

Enter the name of the manufacturer of the on-site power generation equipment

Enter the model name of the on-site power generation equipment

Enter the manufacture year of the on-site power generation equipment

Enter the generation capacity of the system as either kW or MW. Please indicate unit of measurement.

Enter the total estimated cost for the acquisition of each unit of equipment

Enter the EPA funds requested for the acquisition of each unit of equipment

Enter the total estimated cost for the installation of each unit of equipment

Enter the EPA funds requested for the installation of each unit of equipment

Autopopulated field: this field sums the total entered for estimated costs of acquisition and installation of this equipment

Autopopulated field: this field sums the total entered for total EPA funds requested for the acquisition and installation of this

ructure

Enter the state in which the On-Site Power Generation Infrastructure will be installed from the dropdown menu

Enter the county in which the On-Site Power Generation Infrastructure will be installed from the dropdown menu

Enter the city in which the On-Site Power Generation Infrastructure will be installed

Enter the zip code in which the On-Site Power Generation Infrastructure will be installed

Enter the street address in which the On-Site Power Generation Infrastructure will be installed

ion Infrastructure

Enter the name(s) of the organization(s) that own the equipment

Enter the name(s) of the entities and/or organizations that are anticipated to use this equipment

If anticipated users are school districts, provide the name of the districts the On-Site Power Generation equipment will serve; that multiple districts are served, please include a semicolon between district names

If anticipated users are school districts, provide the NCES ID of the districts the On-Site Power Generation equipment will serv that multiple districts are served, please include a semicolon between NECS IDs

Please use the dropdown menu to select which of the following best describes how this infrastructure's compliance with Buy America (BABA) will be fulfilled. Options include: No - Infrastructure meets all BABA requirements; Yes - EPA's De Minimis Wai Small Project Waiver; Yes - EPA's Pacific Island Territories General Applicability Waiver; Yes - Project-Level Waiver

t Information

Use the dropdown menu to select the type of battery in this BESS. Options include: Lithium-Ion; Lead-Acid; Flow; and Flywhee

Enter the name of the manufacturer of the battery energy storage system equipment

Enter the model name of the battery energy storage system equipment

Enter the manufacture year of the battery energy storage system equipment

Enter the generation capacity of the system as either kW or MW. Please indicate unit of measurement.

Enter the total estimated cost for the acquisition of each unit of equipment

Enter the EPA funds requested for the acquisition of each unit of equipment

Enter the total estimated cost for the installation of each unit of equipment

Enter the EPA funds requested for the installation of each unit of equipment

Autopopulated field: this field sums the total entered for estimated costs of acquisition and installation of this equipment

Autopopulated field: this field sums the total entered for total EPA funds requested for the acquisition and installation of this

Enter the state in which the On-Site Power Generation Infrastructure will be installed from the dropdown menu

Enter the county in which the On-Site Power Generation Infrastructure will be installed from the dropdown menu

Enter the city in which the battery energy storage system Infrastructure will be installed

Enter the zip code in which the battery energy storage system Infrastructure will be installed

Enter the street address in which the battery energy storage system Infrastructure will be installed

Enter the name(s) of the organization(s) that own the equipment

Enter the name(s) of the entities and/or organizations that are anticipated to use this equipment

If anticipated users are school districts, provide the name of the districts the battery energy storage system equipment will se
event that multiple districts are served, please include a semicolon between district names

If anticipated users are school districts, provide the NCES ID of the districts the battery energy storage system equipment will
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Please use the dropdown menu to select which of the following best describes how this infrastructure's compliance with Buy
America (BABA) will be fulfilled. Options include: No - Infrastructure meets all BABA requirements; Yes - EPA's De Minimis Wa
Small Project Waiver; Yes - EPA's Pacific Island Territories General Applicability Waiver; Yes - Project-Level Waiver

Select Yes or No from dropdown menu to reflect if the applicant's project will feature any other infrastructure components eli
funding by this program.

For projects that include additional eligible infrastructure components, provide details in the box below on the infrastructure equipment type, manufacturer, anticipated cost, location, and describe how BABA compliance was determined.

For hydrogen fueling projects, please provide as much detail as known or anticipated at time of application, including:
the type of station (gas or liquid),
where hydrogen will be stored (above or below ground),
the total hydrogen storage capacity (in kg),
the estimated annual hydrogen to be dispensed (in kg),
the hydrogen generation pathway (Options include: Steam Reforming - Natural Gas, Steam Reforming with Carbon Capture Natural Gas, Methane cracking - Natural Gas, Gasification - Coal, Gasification with Carbon Capture & Storage - Coal, Gasificatio Gasification with Carbon Capture & Storage - Biomass, Electrolysis - Electric Grid Mix, Electrolysis - Renewable Energy, Fermen Biomass, Thermal water splitting - Nuclear, Thermal water splitting - Renewables, Purchased from Vendor, and Unknown),
the total cost for acquisition of each eligible component (e.g., fueling pedestals, tanks, compressors, cooling system, etc.),
the total funds requested for each eligible component,
the total cost for installation of the system,
the total funds requested for installation, and
any other eligible expenses related to hydrogen fueling projects.