## **Supplemental Application Template**

## Burden Statement for EPA Form Number: 5900-689

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2060-0754). Responses to this collection of information are voluntary (2 CFR 200 at 2 CFR 1500). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be 7.2 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

## 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	<u>Definition</u>
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 <b>bold</b> 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.

1. Instructions\_App EPA Form Number 5900-689

U. S. Environmental Protection Age Clean Heavy-Duty Vehicles (CHDV) Gran Fleet Description

Applicant Name	
SAM.gov Unique Entity ID	
Project Title	

Instructions

The Fleet Description should detail all vehicles anticipated to be replaced under the project and, to the extent details are known at this time, all replacer with a diagonal pattern (///) to the best of your ability. Fields in yellow will be automatically populated based on previous responses. Fields shaded in wl 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 Des has capacity for 100 vehicles. Please refer to the Fleet Description data definitions on tab 4 (Data Dictionary) for data field definitions.

	NT VEHICLE INFORMATION  1a. Basic Fleet Information		1b. Current Vehicle Ty	ype Information		
Vehicle	Group Name	Current Fleet Owner	Vehicle Type (select from dropdown)	<b>Vehicle Class</b> (select from dropdown)	<b>Vehicle Vocation</b> (select from dropdown)	Vehicle Group Sector (select from dropdown)
xample Vehicle	ESBs for District A	Sarah Smith	Short Haul - Single Unit	Class 6	Drayage	Port
Vehicle 1						
Vehicle 2						
Vehicle 3						
Vehicle 4						
Vehicle 5						
Vehicle 6						
Vehicle 7						
Vehicle 8						
Vehicle 9						
Vehicle 10						
Vehicle 11						
Vehicle 12						
Vehicle 13						
Vehicle 14						
Vehicle 15						
Vehicle 16						
Vehicle 17						
Vehicle 18						
Vehicle 19						
Vehicle 20						

2. Fleet Description EPA Form Number 5900-689

Vehicle 21			
Vehicle 22			
Vehicle 23			
Vehicle 24			
Vehicle 25			
Vehicle 26			
Vehicle 27			
Vehicle 28			
Vehicle 29			
Vehicle 30			
Vehicle 31			
Vehicle 32			
Vehicle 33			
Vehicle 34			
Vehicle 35			
Vehicle 36			
Vehicle 37			
Vehicle 38			
Vehicle 39			
Vehicle 40			
Vehicle 41			
Vehicle 42			
Vehicle 43			
Vehicle 44			
Vehicle 45			
Vehicle 46			
Vehicle 47			
Vehicle 48			
Vehicle 49			
Vehicle 50			
Vehicle 51			
Vehicle 52			
Vehicle 53			
Vehicle 54			

EPA Form Number 5900-689 2. Fleet Description

Vehicle 55         Vehicle 56         Vehicle 57         Vehicle 58         Vehicle 59         Vehicle 60         Vehicle 61	
Vehicle 57 Vehicle 58 Vehicle 59 Vehicle 60	
Vehicle 58  Vehicle 59  Vehicle 60	
Vehicle 59 Vehicle 60	
Vehicle 60	
Vehicle 61	
Vehicle 62	
Vehicle 63	
Vehicle 64	
Vehicle 65	
Vehicle 66	
Vehicle 67	
Vehicle 68	
Vehicle 69	
Vehicle 70	
Vehicle 71	
Vehicle 72	
Vehicle 73	
Vehicle 74	
Vehicle 75	
Vehicle 76	
Vehicle 77	
Vehicle 78	
Vehicle 79	
Vehicle 80	
Vehicle 81	
Vehicle 82	
Vehicle 83	
Vehicle 84	
Vehicle 85	
Vehicle 86	
Vehicle 87	
Vehicle 88	

2. Fleet Description EPA Form Number 5900-689

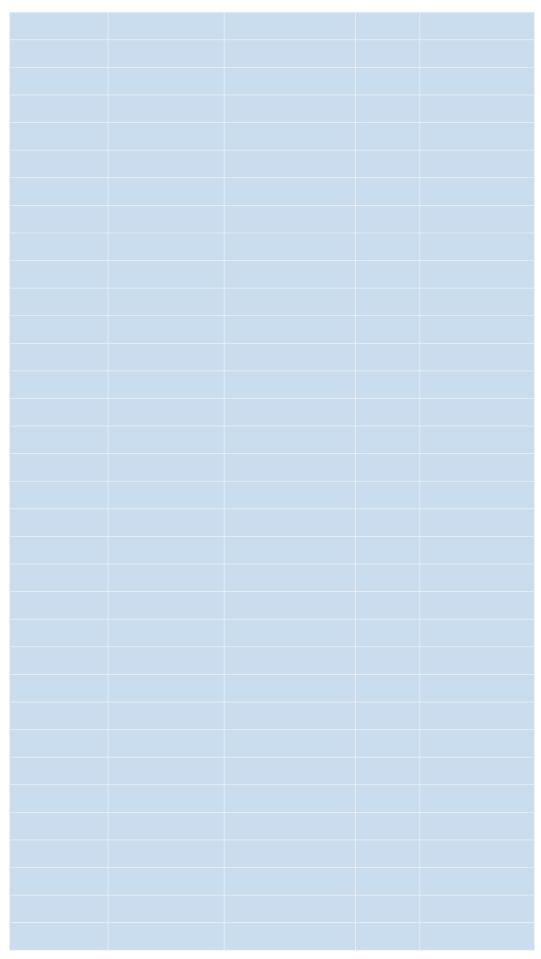
Vehicle 89			
Vehicle 90			
Vehicle 91			
Vehicle 92			
Vehicle 93			
Vehicle 94			
Vehicle 95			
Vehicle 96			
Vehicle 97			
Vehicle 98			
Vehicle 99			
Vehicle 100			

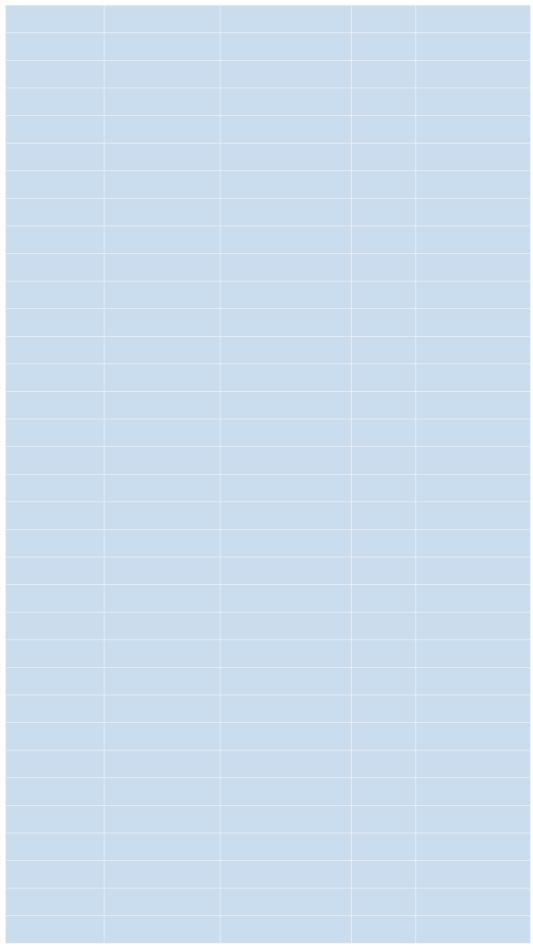
ency			
t Program			

nent vehicles that will be purchased using Clean Heavy-Duty Grants funding. Please fill out shaded cells highlighted blue hite are highly encouraged, but optional, as these data may not be known at the time of application. Additionally, some cription is broken into two sections: 1) Current Vehicle Information and 2) New Vehicle Upgrade Information. The sheet

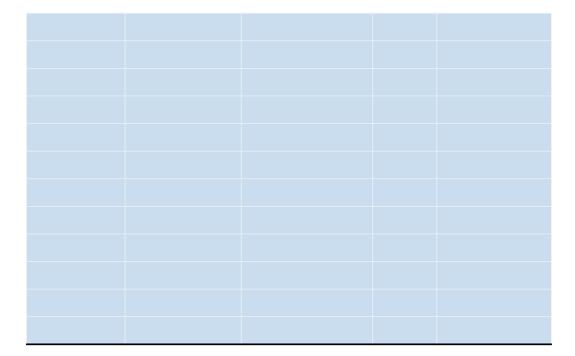
Vehicle Identification Number         Vehicle Manufacturer         Vehicle Model Vear         Baseline Engine Fuel Type (select from dropdown)           12345678910ABCDEF G         Manufacturer Name         Model Name or #         1995         Diesel					
Vehicle Manufacturer  Vehicle Model  Vehicle Model					
Vehicle Manufacturer  Vehicle Model  Vehicle Model					
Vehicle Manufacturer  Vehicle Model  Vehicle Model					
Vehicle Manufacturer  Vehicle Model  Vehicle Model					
Vehicle Manufacturer  Vehicle Model  Vehicle Model					
Vehicle Manufacturer  Vehicle Model  Vehicle Model					
12345678910ABCDEF Manufacturer Name Model Name or # 1995 Diesel	Vehicle Identification			Baseline	Baseline Engine Fuel Type
12345678910ABCDEF Manufacturer Name Model Name or # 1995 Diesel	Number	Venicie Manufacturer	venicie Modei	Venicie Modei Year	(select from dropdown)
12345678910ABCDEF Manufacturer Name Model Name or # 1995 Diesel  Manufacturer Name Model Name or # 1995 Diesel					
12345678910ABCDEF Manufacturer Name Model Name or # 1995 Diesel					
Manufacturer Name Model Name or # 1995 Diesel  Manufacturer Name Model Name or # 1995 Diesel	12245678010ABCDEE				
	G	Manufacturer Name	Model Name or #	1995	Diesel

2. Fleet Description EPA Form Number 5900-689



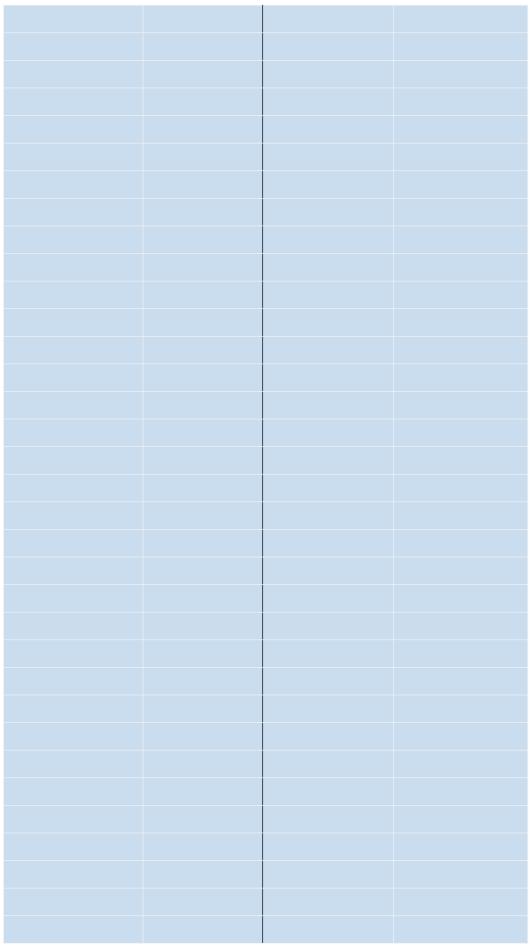


EPA Form Number 5900-689 2. Fleet Description



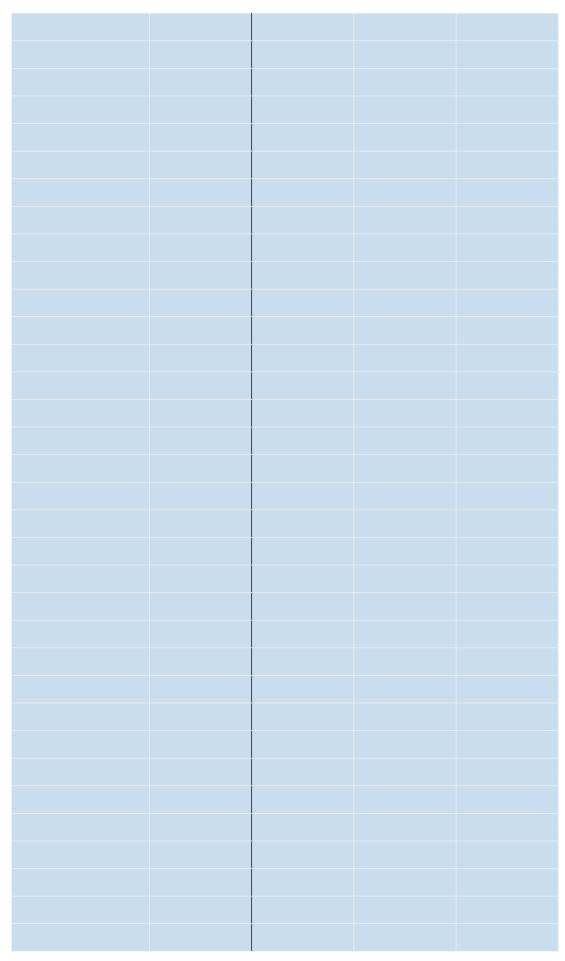
		1c. Current Vehicle Usage Infor	mation
Engine Family Name (if unregulated, then enter N/A)	Gross Vehicle Weight Rating (GVWR)	Annual Miles Traveled (miles per vehicle, using the average for the prior 2 years. Please see the NOFO section III.D.2 which describes the minimum mileage required.)	<b>Annual Idling Hours</b> (hours per vehicle, using the average for the prior 2 years.)
N/A	10150	140000	12000

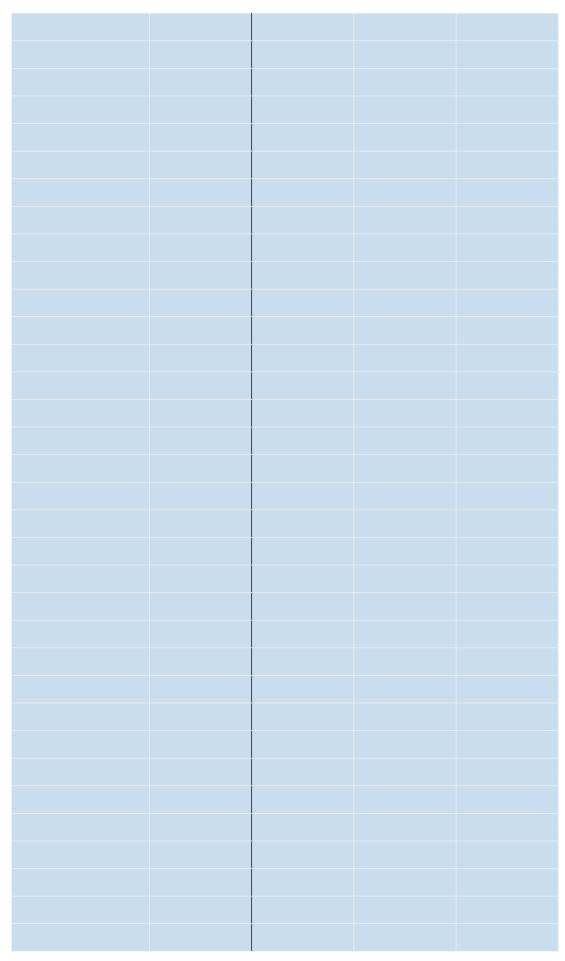
2. Fleet Description EPA Form Number 5900-689



EPA Form Number 5900-689 2. Fleet Description

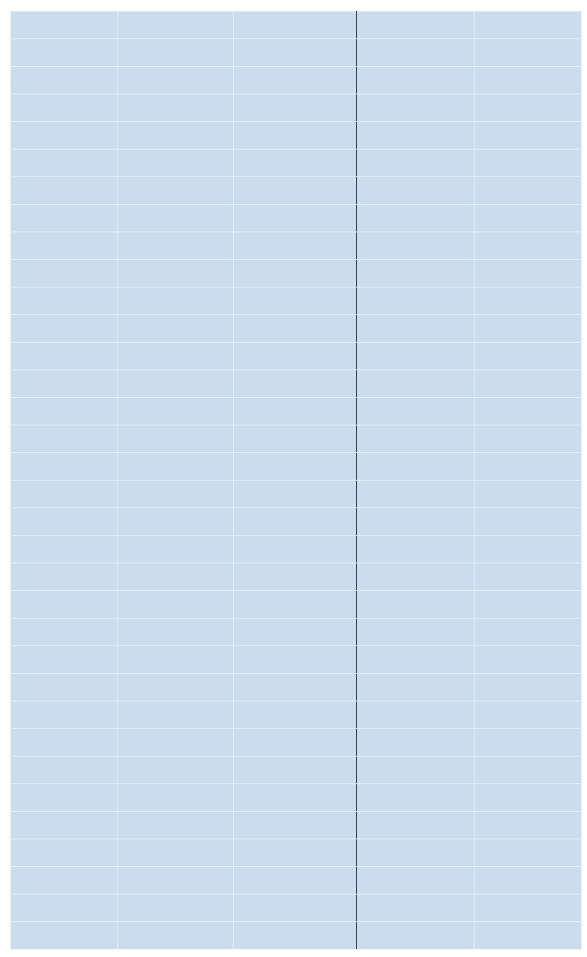
		<b>1d. Current Vehicle Plac</b> Primary Place of Perform	e(s) of Performance	
		,		
Current Odometer	Annual Amount of Fuel	School District Name	NCES ID	State
(in miles)	<b>Used</b> (gallons/year per engine)	(if applicable)	(if applicable)	(select from dropdown)
1500000	6000	Warren 01	123456	SC



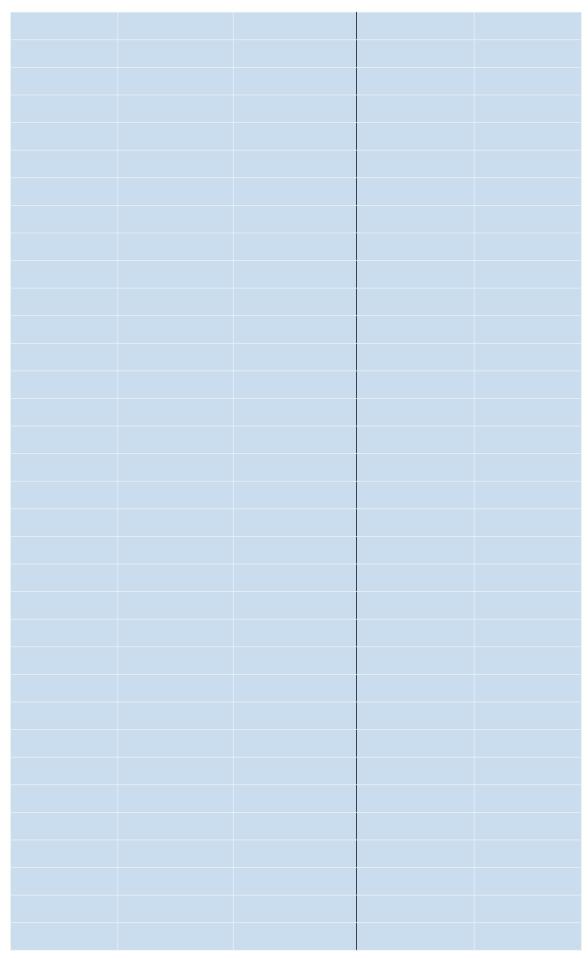


2. Fleet Description EPA Form Number 5900-689

			Secondary Place of Performa	ance (if applicable)
County (select from dropdown)	Percentage of Time Operated in County	Place of Performance: City	School District Name	NCES ID
(select from dropdown)	Operated in County	race or refrontiance, city	(if applicable)	(if applicable)
Warren	100%	Springhill	Warren 01	123456



EPA Form Number 5900-689 2. Fleet Description



EPA Form Number 5900-689 2. Fleet Description

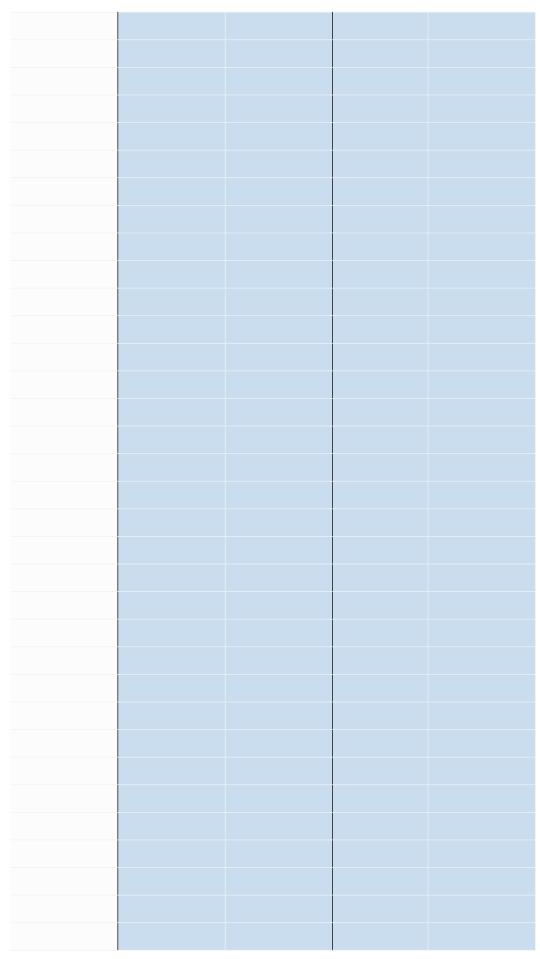
2. Fleet Description EPA Form Number 5900-689

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

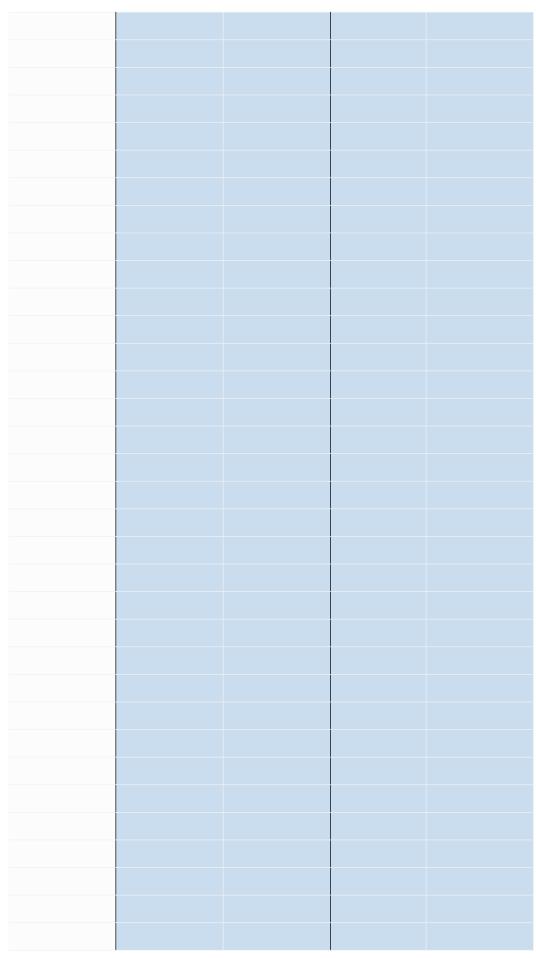
		Table 2. NEW REPLACEMENT VEHICLE INFORMATION			
1e. Vehicle Disposition Process			2a. Upgrade Vehicle Information		
Anticipated Vehicle Disposition Method	to primarily operate (i)	If sold or donated, provide the county in which the existing vehicle is expected to primarily operate (if known)	Year of Upgrade Action	New Vehicle Fleet Owner	
Scrapped	CA	Alameda County	2025	Walton School District	

		Optional, but highly encouraged if known*					
New Vehicle Class (select from dropdown)	New Vehicle Fuel Type	New Vehicle Manufacturer (if known)	New Vehicle Model (if known)	New Vehicle GVWR (if known)	Capable of Bidirectional Charging? (Yes/No/NA)		
Class 6	Battery Electric	Manufacturer Name	Model Name or #	12000	Yes		

				2c. New Vehicle Place(s) of Performance Primary Place of Performance		
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)	NCES ID (if applicable)		
200	\$ 375,000.00	\$ 325,000.00	Warren 01	123456		



EPA Form Number 5900-689 2. Fleet Description



EPA Form Number 5900-689 2. Fleet Description

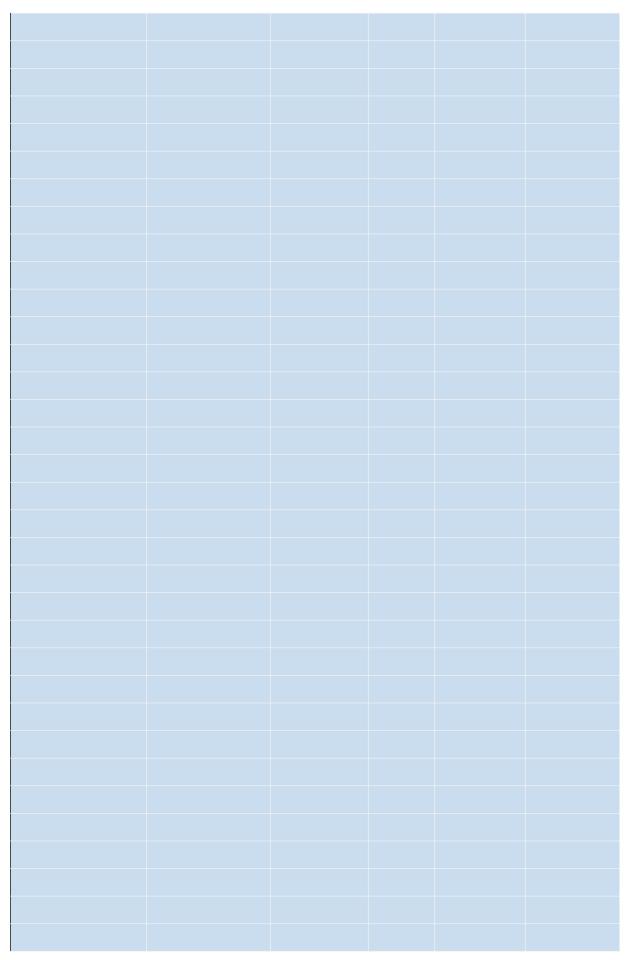


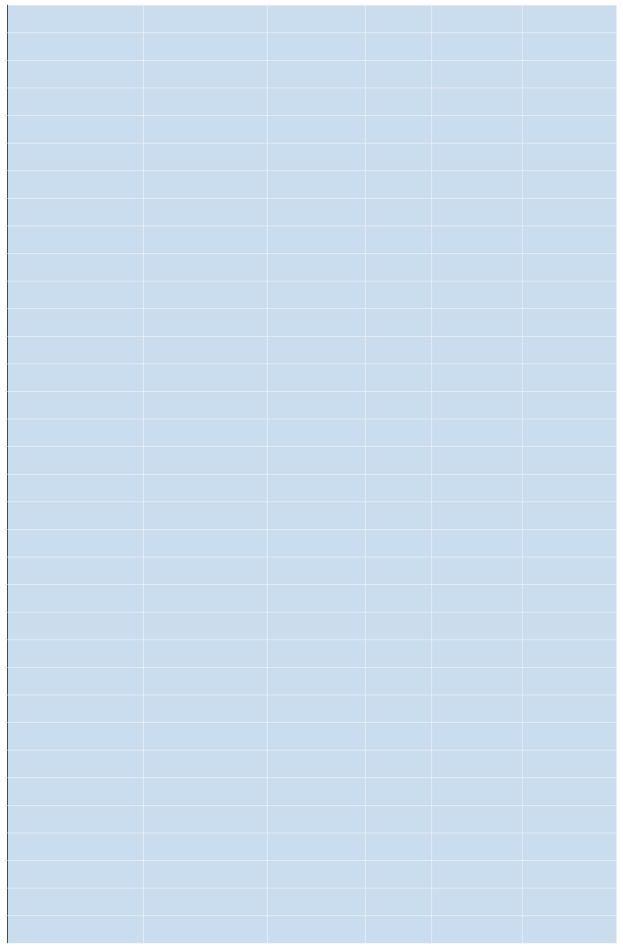
<b>State</b> (select from dropdown)	<b>County</b> (select from dropdown)	Percentage of Time operated in County (Enter value between 0-1, where 1 = 100%)	City
SC	Warren	100%	Springhill

EPA Form Number 5900-689 2. Fleet Description

EPA Form Number 5900-689 2. Fleet Description

ndary Place of Performance (	if applicable)				
School District Name (if applicable)	NCES ID (if applicable)	<b>State</b> (select from dropdown)	<b>County</b> (select from dropdown)	Percentage of Time operated in County (enter value 0-1, where 1 = 100%)	City
Warren 01	123456	SC	Warren	100%	Springhill

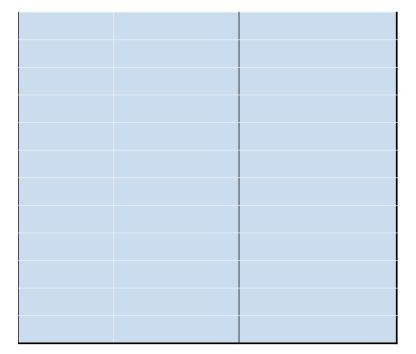




Additional Location De		2d. BABA Compliance
Additional Counties Where Vehicle Operates	Percentage of Time Operated in Each Additional County	Is a waiver being used to fulfill BABA compliance for this vehicle?
Pima County, AZ; La Paz County, AZ	5% in Pima; 5% in La Paz	No - Vehicle meets all BABA requirements

EPA Form Number 5900-689 2. Fleet Description

EPA Form Number 5900-689 2. Fleet Description



#### U. S. Environmental P

Clean Heavy-Duty Vehicles Infrastructure [

٠	_	٠		_	
In	15	τr	u	C	ι

Below are three tables (Table 3, Table 4, and Table 5), and an additional question below Table 5. Please complete all 4.

The EVSE Equipment Information (Table 3) should detail all electric vehicle supply equipment (EVSE) and supporting infrastructure purc district applicants the infrastructure needs to be listed by school district and/or city. That is, if School District A and School District B are installed in two different locations, the EVSE needs to appear as two separate EVSE Groups. If your project includes hydrogen refueling i station (gas or liquid), where hydrogen will be stored (above or below ground), the total hydrogen storage capacity (in kg), the estimate cost for acquisition of each eligible component (e.g., fueling pedestals, tanks, compressors, cooling system, etc.), the total funds reques other eligible expenses related to hydrogen fueling projects.

Please fill out shaded cells highlighted blue with a diagonal pattern (///) to the best of your ability. Note, additional rows may be added in white are highly encouraged, but optional, as these data may not be known at the time of application. Additionally, some fields will helease refer to the Infrastructure data definitions on Tab 4 (Data Dictionary) for data field definitions. Reminder: All Level 2 EVSEs must infrastructure components must comply with Build America, Buy America (BABA) requirements. See below for more information on BA

# Build America, Buy America

On November 15, 2021, the Infrastructure Investment and Jobs Act ("IIJA"), Pub. L. No. 117-58, which includes the Build America, Buy A iron, steel, manufactured products, and construction materials used in infrastructure project are produced in the United States. If awar egardless of whether or not the infrastructure project was the primary basis for the award. Additionally, BABA requirements apply eve 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 3a. EVSE Equ	Table 3a. EVSE Equipment Information Overview					
	Type of Charger	If Level 2, is it ENERGY STAR certified	EVSE Manufacturer	EVSE Model			
Example EV Infrastructure	Level 2	Yes	Manufacturer Name	Model Name			
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							

		1	,
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			
EVSE Group 30			

Note: If the wind or solar power generation includes an energy storage system, information for such system needs to be documente Table 4. Solar and Wind Power Generation Equipment Table 4a. Solar and Wind Power Generation Equipment Information Overview Optional, but highly encouraged if known\* Manufacture Year of Solar or Wind Power Manufacturer of Solar or Model of Solar or Type of energy generation Wind Power Generation **Wind Power** System Generation Generation Example Solar or Wind Power Generation Solar Manufacturer Name Model Name 2023

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) Fauipment Inform	nation		
Table 9. Battery Ellergy Storage System	5a. BESS Overview			
			Optional, but highly	encouraged if known*
		1	I	I
	Type of Battery	Manufacturer of BESS	Model of BESS	Manufacture Year of BESS
BESS Example	Lithium-Ion	Manufacturer Name	Model Name	2023
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, inc	luding hydrogen fuel	ing projects, associated w	ith this grant that ar	e not listed above?
If no, please leave this section blank. If yes, plea	co provido dotalis in i	the boy below on the infra	structure project and	doscribo how DADA som
For hydrogen fueling projects, please provide as estimated annual hydrogen to be dispensed (in	much detail as know	n or anticipated at time of	application, such as:	the type of station (gas o
total funds requested for each eligible compone	ent, the total cost for	installation of the system,	the total funds reque	ested for installation, and

#### rotection Agency (CHDV) Grant Program Description

#### ons

hased under the project. Table 4 focuses on on-site power generation systems and Table 5 on battery storage systems. For school procuring the same EVSE, the EVSE will appear as two separate EVSE Groups. Similarly, for large school districts, if EVSE are being infrastructure, please describe using the text box after Table 5 at the bottom of this tab, about the following features: the type of d annual hydrogen to be dispensed (in kg), the hydrogen generation pathway (see Data Dictionary for more options), the total ted for each eligible component, the total cost for installation of the system, the total funds requested for installation, and any

as needed to capture all equipment. Fields in yellow will be automatically populated based on previous responses. Fields shaded ash out with a **bold** diagonal pattern (///) if those fields are not applicable based on the information provided in previous cells. be ENERGY STAR certified. All EVSE, on-site power generation systems, battery energy storage systems (BESS), and any other

#### (BABA) requirements

merica Act (BABA), Public Law 117-58, §§ 70901-52, was signed into law. BABA requires that on or after May 14, 2022, all of the d recipient will be installing, upgrading, or replacing "infrastructure," then BABA requirements apply to the infrastructure project, n if the award recipient will be using another source of funding, whether in part or wholly, for the infrastructure project. For more

#### Optional, but highly encouraged if known\*

EVSE Manufacture Year	EVSE Maximum Output Power (kW)	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
2023	24	2	No	No	2

d in the table below this one (Table 5).

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
15 kW	\$ 45,000.00	\$ 45,000.00	\$ 7,000.00	\$ 5,000.00	\$ 52,000.00

		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	

Energy Capacity (please indicate kWh or MWh)	Total Estimat Acquisition Cost F of Equipmen	Per Unit Red	al EPA Funds quested Per Unit:	Total Esti Cost f Installa	for	Total EPA Fu Requested f Installation	or	Cost for E	etimated quipment tallation
36kWh	\$ 48.	,000.00 \$	20,000.00	\$ 12	,000.00	\$ 10,0	00.00	\$ 6	60,000.00
								\$	-
								\$	-
								\$	-
								\$	-
								\$	-
								\$	-
								\$	-
								\$	-

EPA Form Number 5900-689 3. Infrastructure

•				(Y or N or N/A)
ance was determined				
acquisition of each eli	en will be stored (above or igible component (e.g., fue ises related to hydrogen fu	ling pedestals, tanks,	otal hydrogen storag compressors, cooling	e capacity (in kg), the g system, etc.), the

				Table 3b. Location o	of EV Infrastructure		
-	Total Estimated Acquisition Cost per EVSE Unit	Total EPA Funds Requested for Acquisition of Each EVSE Unit	Total EPA Funds Requested for EVSE Acquisition	State (Select from dropdown)	<b>County</b> (Select from dropdown)	City	Zip Code
\$	16,000.00	\$ 12,000.00	\$ 24,000.00	VA	Arlington County	Alexandria	22305
			\$ -				
			\$ -				
			\$ -				
			\$ -				
			\$ -				
			\$ -				
			\$ -				
			\$ -				
			\$ -				
			\$ -				

\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		
\$ -		

	4b. Location of Sola	4c. Ownership and Use of Sα				
Total EPA Funds Requested for Installation	State	County	City	Zip Code	Street Address	Who owns the equipment?
\$ 50,000.00	VA	Arlington County	Alexandria	22305	400 1st Street	Walton School District

\$ -			
\$ -			
\$ -			
\$ -			
\$ -			
\$ -			
\$ -			
\$ -			
\$ -			
\$ -			

	5b. Location of BESS Infrastructure					5c. Ownership and Use of BI
Total EPA Funds Requested for Equipment and Installation	State	County	City	Zip Code	Street Address	Who owns the equipment?
\$ 30,000.00	VA	Arlington County	Alexandria	22305	400 1st Street	Walton School District
\$ -						
\$ -						
\$ -						
\$ -						
\$ -						
\$ -						
\$ -						
\$ -						

\$ -			
\$ -			

	Table 3c. Owners & Anticipated Users of EVSE			
				Name of the School
Street Address	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?	District(s) the EVSE will serve (if applicable; use a semicolon between school districts)
400 1st Street	Walton School District	Electric school buses serving Walton School District	Yes	Walton School District; Franklin School District
EPA Form Number 5900	1490			

olar and Wind Power G	eneration Infrastructure		4d. BABA Compliance Optional, but highly encouraged if known*
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	Is a waiver being used to fulfill BABA compliance for the Solar or Wind Power Generation?
Walton School District & NoVA Community College	Walton School District	1234567	No - Infrastructure meets all BABA requirements

ESS Infrastructure			5d. BABA Compliance
	Optional, but highly encouraged if known*		
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	Is a waiver being used to fulfill BABA compliance for the BESS?
Walton School District & NoVA Community College	Walton School District	1234567	No - Infrastructure meets all BABA requirements

EPA Form Number 5900-689

3. Infrastructure

ŀ		
١		

	Table 3d. Infrastructure Install	ation Information	
			Optional, but highly encouraged if known*
NCES ID of School District that the EVSE will serve (if applicable; use a semicolon between school districts)	Total Estimated Cost for EVSE Installation	Total EPA Funds Requested for Installation Cost	Does the Infrastructure Equipment Cost Include Installation?
1234567; 7654321	\$12,000	\$7,000	No

EPA Form Number 5900-689

3. Infrastructure

EPA Form Number 5900-689

3. Infrastructure

Table 3e. EVSE Cost Sum	mary	Table 3f. BABA Compliance
		Optional, but highly encouraged if known*
Total EPA Funds Requested for EVSE Equipment and Installation	Estimated Total Cost for EVSE Equipment and Installation	Is a waiver being used to fulfill BABA compliance for this EVSE?
\$31,000.00	\$44,000.00	No - Infrastructure meets all BABA requirements
PA Form Number 5900-6	20	

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

EPA Form Number 5900-689

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 Inform

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 Infrast

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) Equipmen

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

#### ipport 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 assigned to the 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 of vehicles 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 Haul - Single Unit, 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, Shuttle Bus, Transit Bus, Utility

Select Vehicle Group Sector from dropdown menu: Agriculture, Airport, Construction, Freight, Industrial, Mining, Municipal, Port, Railyard, 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, CNG (ft3), CNG (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 unregulated, then 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 the NOFO section 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 vehicle to be scrapped, sold, or donated has operated in. If you are unsure of the district's NCES ID, you can search for the district at

Select the two letter postal code for the state from the dropdown menu in which the vehicle to be scrapped, sold, or donated has operated 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 populate until the 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 county.

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)

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 vehicle to be 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 has operated 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 populate until the 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 county.

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)

List the county name and state for additional counties where the vehicle operates; if there are more than one, separate using a semicolon (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 and semicolons (e.g., St. Lucie County (10%); Martin County (5%))

4. Data Dictionary EPA Form Number 5900-689

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 vehicle is 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/districtsearch/.

Select the two letter postal code for the state from the dropdown menu in which the new vehicle is expected to operate in. Note: the state 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 is selected.

Enter a value from 0 to 1, where 1 = 100%, to reflect the estimated percentage of time this vehicle is expected to operate in the listed county.

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

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

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 vehicle is expected to operate in. If you are unsure of the district's NCES ID, you can search for the district at <a href="https://nces.ed.gov/ccd/districtsearch/">https://nces.ed.gov/ccd/districtsearch/</a>.

Select the two letter postal code for the state from the dropdown menu in which the new vehicle is expected to operate in. Note: the state 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 is selected.

Enter a value from 0 to 1, where 1 = 100%, to reflect the estimated percentage of time this vehicle is expected to operate in the listed county.

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

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 a semicolon (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 and semicolons (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 America Build America (BABA) will be fulfilled. Options include: No - Infrastructure meets all BABA requirements; Yes - EPA's De Minimis Waiver; Yes - EPA's Small 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) services.

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 calculate the total of 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. Note: the state 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 is selected.

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 multiple districts.

Enter the NCES ID(s) of school district(s) the EVSE is expected to serve. Use a semicolon to separate entries when entering multiple districts.

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 installation expenses.

Automated cell that will calculate the total EPA Funds expended for the charging equipment and installation for an EV Infrastructure Group.

Automated cell that will calculate the total Funds expended for the charging equipment and installation for an EV Infrastructure Group.

Please use the dropdown menu to select which of the following best describes how this infrastructure's compliance with Buy America Build America (BABA) will be fulfilled. Options include: No - Infrastructure meets all BABA requirements; Yes - EPA's De Minimis Waiver; Yes - EPA's 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  $% \left( 1\right) =\left( 1\right) \left( 1$ 

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 equipment

## 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

 $Enter the {\it zip code in which the On-Site Power Generation Infrastructure will be installed } \\$ 

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

#### tion 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; in the 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 On-Site Power Generation equipment will serve; in the event 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 Build America (BABA) will be fulfilled. Options include: No - Infrastructure meets all BABA requirements; Yes - EPA's De Minimis Waiver; Yes - EPA's 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-lon; Lead-Acid; Flow; and Flywheels

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 equipment

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 serve; in the 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 serve; in the event 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 Build America (BABA) will be fulfilled. Options include: No - Infrastructure meets all BABA requirements; Yes - EPA's De Minimis Waiver; Yes - EPA's 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 eligible for funding by this program.

4. Data Dictionary EPA Form Number 5900-689

For projects that include additional eligible infrastructure components, provide details in the box below on the infrastructure project, 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 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 & Storage Natural Gas, Methane cracking - Natural Gas, Gasification - Coal, Gasification with Carbon Capture & Storage - Coal, Gasification - Biomass,
Gasification with Carbon Capture & Storage - Biomass, Electrolysis - Electric Grid Mix, Electrolysis - Renewable Energy, Fermentation 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.

4. Data Dictionary EPA Form Number 5900-689