

Semiannual Project and Final Project Reporting Template

Burden Statement for EPA Form Number: PFN 5900-721

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Instructions

Per the grant agreement terms and conditions, this reporting template should be submitted 1) semi-annually throughout the project period of performance as described in the program guidance and 2) as a Final Report 120-days after the completion of the grant period. Please work with relevant parties (i.e., transportation contractor, port authority, etc.) to ensure information submitted is accurate. Information that is submitted in semi-annual reports should NOT be changed in future report submissions unless approved by the EPA. Please only update information for the specific period in which this report is being submitted.

The grant recipient only needs to fill out shaded cells highlighted **blue** with a diagonal pattern (///). Cells highlighted **yellow** are simply for informative purposes and/or automated from other tabs in this spreadsheet. Additional fields may autopopulate with **bold** diagonal patterns (///), indicating that a response to those fields is not necessary based on prior responses entered. Please complete tabs in this workbook according to the instructions below.

Please keep the following in mind when working with the Reporting Template to avoid errors:

- When downloading and saving a copy of the file, save the Excel files as '.xlsx' files to ensure optimal performance and functionality.
- For best performance, do not delete any tabs from the workbook, as there are hidden tabs used for auto-populating select fields.
- Be cautious when copy/pasting information into the provided templates, as there may be formula and/or formatting that can be overwritten. When pasting, we recommend pasting only values into the workbook.
- In the event the workbook does not auto-populate as intended, information can be added to the yellow fields manually.
- Recipients may add additional rows to the template by right clicking on the row number and selecting insert (rather than just adding a few cells). Alternatively, recipients may add additional information below the tables in the template.

Table 1: Tab Descriptions

Excel Workbook Tab	Definition
1. Instructions	Basic instructions for all worksheets in this reporting workbook.
2. Recipient & Project Details	Recipient and project details. All fields are required.
3. Project Partners	Partner organizations involved in the project, including all statutory partners and collaborating entities. All fields are required, if applicable.
4. Subawardees	Subawardees involved in the project. All fields are required, if applicable.
5. Port Facility Locations	Project locations that are port/port facilities. All fields are required.
6. Additional Locations	Any project locations that are <i>not</i> port/port facilities. All fields are required, if applicable.
7. Amendments & Other Revisions	The Amendments & Other Revisions tab should be used to update any changes in vehicle or equipment numbers, charging or fueling infrastructure numbers, planned project activities and/or funding amounts post-award. Please update this tab at least on an annual basis at the end of each year of project performance and at project closeout, <i>even if no changes occur during the performance period</i> .
8. Financial Summary	Financial summary for the entire grant period of performance. Please only complete shaded cells highlighted blue with a diagonal pattern (///) that contain grantee and original project budget information. Other cells on this worksheet will automatically feed from information in tabs 9-12 (Year 1-Year 4). If a modification to the grant is approved, please update the financial tabs accordingly.
9. Year 1	Financial summary for the first year of the project period for all project activities. For each semi-annual report, please complete all financial and narrative descriptive cells highlighted blue with a diagonal pattern (///) for each reporting period required. Other cells in this worksheet are informative or may be automated from subsequent tabs. Below the financial information, please complete the programmatic questions regarding the grant.
10. Year 2	Financial summary for the second year of the project period for all project activities, if grant period of performance is longer than one year. For each semi-annual report, please complete all financial and narrative descriptive cells highlighted blue with a diagonal pattern (///) for each reporting period required. Other cells in this worksheet are informative or may be automated from subsequent tabs. Below the financial information, please complete the programmatic questions regarding the grant.

<p>11. Year 3</p>	<p>Financial summary for the third year of the project period for all project activities, if grant period of performance is longer than three years. For each semi-annual report, please complete all financial and narrative descriptive cells highlighted blue with a diagonal pattern (///) for each reporting period required. Other cells in this worksheet are informative or may be automated from subsequent tabs. Below the financial information, please complete the programmatic questions regarding the grant.</p>
<p>12. Year 4</p>	<p>Financial summary for the fourth year of the project period for all project activities, if grant period of performance is longer than three years. For each semi-annual report, please complete all financial and narrative descriptive cells highlighted blue with a diagonal pattern (///) for each reporting period required. Other cells in this worksheet are informative or may be automated from subsequent tabs. Below the financial information, please complete the programmatic questions regarding the grant.</p>
<p>13. Workplan Commitments</p>	<p>The tab should be completed based upon community engagement, project sustainability, workforce development, resiliency, and/or leveraging of additional external funds commitments defined in the proposed workplan. Please complete this tab during regular semi-annual reporting periods if the proposed workplan committed to any community engagement, project sustainability, workforce development, resiliency, and/or leveraging of additional external funds commitments as referred to in the evaluation metrics defined in the Notice of Funding Opportunity. During each semi-annual reporting period of the project period of performance, please complete updates on these defined project commitments. The final report submission for the project should contain the end results of community engagement, project sustainability, workforce development, resiliency, and/or leveraging of additional external funds commitments completed during the project period.</p>
<p>14. Additional External Funds</p>	<p>Summary of external funds leveraged as part of the project in addition to funding provided by the recipient and the EPA.</p>
<p>15. New Fleet Description</p>	<p>The New Fleet Description should detail all new vehicles and equipment proposed under the project and should be updated semi-annually with all vehicle upgrades completed. Please only fill out shaded cells highlighted blue with a diagonal pattern (///). Please refer to the New Fleet Description data definitions on tab 24 (Data Dictionary) for additional guidance on each field. Reminder: All zero emission equipment and vehicles must comply with Build America, Buy America (BABA) requirements.</p> <p>Please update the respective annual update tables at the end of each year of project performance and at project closeout. Annual values provided should represent one year (12 consecutive months) of equipment activity. This can be from actual observed activity (preferred), a mix of actual and estimated, or purely estimated.</p> <p>For equipment placed in service during a given project period, please use discretion and provide estimated values for that reporting year. Leave blank for equipment that is not yet in service. A response is required for any equipment placed in service during or before the respective period of performance.</p>
<p>16. Scrappage Information</p>	<p>The Scrappage Information tab is only required for projects that have made a commitment to scrap and/or otherwise replace vehicles as part of their project plans. This data sheet captures current vehicle and equipment information and links to the New Fleet Description to autopopulate the corresponding 'new' vehicle or equipment. The Scrappage Information tab should be updated semi-annually reflecting completed scrapped project. Please only fill out shaded cells highlighted blue with a diagonal pattern (///). Please refer to the data definitions on tab 24 (Data Dictionary) for additional guidance on each field.</p>

<p>17. Infrastructure - EVSE</p>	<p>The Infrastructure - EVSE tab should detail all electric vehicle/vessel supply equipment (EVSE) and zero emission supporting infrastructure purchased under the project. The Infrastructure worksheets should be updated semi-annually as zero emission supporting infrastructure components are procured and installed. Please only fill out shaded cells highlighted blue with a diagonal pattern (///). Additional rows may be added as needed to capture all supporting infrastructure. Please refer to the Infrastructure data definitions on Tab 24 (Data Dictionary) for data field definitions. Reminder: All Level 2 EVSEs must be ENERGY STAR certified. All zero emission supporting infrastructure must comply with Build America, Buy America (BABA) requirements.</p> <p>Please update the respective annual update tables at the end of each year of project performance and at project closeout. Annual values provided should represent one year (12 consecutive months) of activity. This can be from actual observed activity (preferred), a mix of actual and estimated, or purely estimated.</p> <p>For infrastructure placed in service during a given project period, please use discretion and provide estimated values for that reporting year. Leave blank for infrastructure that is not yet in service. A response is required for any infrastructure placed in service during or before the respective period of performance.</p>
<p>18. Infrastructure - Shore Power</p>	<p>The Infrastructure - Shore Power tab should detail shore power equipment purchased under the project. The Infrastructure worksheets should be updated semi-annually as zero emission supporting infrastructure components are procured and installed. Please only fill out shaded cells highlighted blue with a diagonal pattern (///). Additional rows may be added as needed to capture all supporting infrastructure. Please refer to the Infrastructure data definitions on Tab 24 (Data Dictionary) for data field definitions. Reminder: All zero emission supporting infrastructure must comply with Build America, Buy America (BABA) requirements.</p> <p>Please update the respective annual update tables at the end of each year of project performance and at project closeout. Annual values provided should represent one year (12 consecutive months) of activity. This can be from actual observed activity (preferred), a mix of actual and estimated, or purely estimated.</p> <p>For infrastructure placed in service during a given project period, please use discretion and provide estimated values for that reporting year. Leave blank for infrastructure that is not yet in service. A response is required for any infrastructure placed in service during or before the respective period of performance.</p>
<p>19. Infrastructure - Hydrogen</p>	<p>The Infrastructure - Hydrogen tab should detail all hydrogen fueling station equipment purchased under the project. The Infrastructure worksheets should be updated semi-annually as zero emission supporting infrastructure components are procured and installed. Please only fill out shaded cells highlighted blue with a diagonal pattern (///). Additional rows may be added as needed to capture all supporting infrastructure. Please refer to the Infrastructure data definitions on Tab 24 (Data Dictionary) for data field definitions. Reminder: All zero emission supporting infrastructure must comply with Build America, Buy America (BABA) requirements.</p> <p>Please update the respective annual update tables at the end of each year of project performance and at project closeout. Annual values provided should represent one year (12 consecutive months) of activity. This can be from actual observed activity (preferred), a mix of actual and estimated, or purely estimated.</p> <p>For infrastructure placed in service during a given project period, please use discretion and provide estimated values for that reporting year. Leave blank for infrastructure that is not yet in service. A response is required for any infrastructure placed in service during or before the respective period of performance.</p>

<p>20. Infrastructure - Power Gen</p>	<p>The Infrastructure - On-site Power tab should detail all on-site power generation equipment purchased under the project. The Infrastructure worksheets should be updated semi-annually as zero emission supporting infrastructure components are procured and installed. Please only fill out shaded cells highlighted blue with a diagonal pattern (///). Additional rows may be added as needed to capture all supporting infrastructure. Please refer to the Infrastructure data definitions on Tab 24 (Data Dictionary) for data field definitions. Reminder: All zero emission supporting infrastructure must comply with Build America, Buy America (BABA) requirements.</p> <p>Please update the respective annual update tables at the end of each year of project performance and at project closeout. Annual values provided should represent one year (12 consecutive months) of activity. This can be from actual observed activity (preferred), a mix of actual and estimated, or purely estimated.</p> <p>For infrastructure placed in service during a given project period, please use discretion and provide estimated values for that reporting year. Leave blank for infrastructure that is not yet in service. A response is required for any infrastructure placed in service during or before the respective period of performance.</p>
<p>21. Infrastructure - BESS</p>	<p>The Infrastructure - BESS tab should detail battery energy storage system equipment purchased under the project. The Infrastructure worksheets should be updated semi-annually as zero emission supporting infrastructure components are procured and installed. Please only fill out shaded cells highlighted blue with a diagonal pattern (///). Additional rows may be added as needed to capture all supporting infrastructure. Please refer to the Infrastructure data definitions on Tab 24 (Data Dictionary) for data field definitions. Reminder: All zero emission supporting infrastructure must comply with Build America, Buy America (BABA) requirements.</p> <p>Please update the respective annual update tables at the end of each year of project performance and at project closeout. Annual values provided should represent one year (12 consecutive months) of activity. This can be from actual observed activity (preferred), a mix of actual and estimated, or purely estimated.</p> <p>For infrastructure placed in service during a given project period, please use discretion and provide estimated values for that reporting year. Leave blank for infrastructure that is not yet in service. A response is required for any infrastructure placed in service during or before the respective period of performance.</p>
<p>22. Infrastructure - Other</p>	<p>The Infrastructure - Other tab should detail any other eligible infrastructure activity funded under the project. The Infrastructure worksheets should be updated semi-annually as zero emission supporting infrastructure components are procured and installed. Please only fill out shaded cells highlighted blue with a diagonal pattern (///). Please refer to the Infrastructure data definitions on Tab 24 (Data Dictionary) for data field definitions. Reminder: All zero emission supporting infrastructure must comply with Build America, Buy America (BABA) requirements.</p>
<p>23. Final Report</p>	<p>Final project details including actual programmatic results. Please only complete shaded cells highlighted blue with a diagonal pattern (///).</p>
<p>24. Data Dictionary</p>	<p>Please refer to the dictionary on this tab for support in completing the reporting workbook.</p>

U. S. Environmental Protection Agency
 Clean Ports Program | Zero-Emission Technology Deployment Competition
Recipient & Project Details

Instructions

Please enter the requested information in the **blue** shaded cells; **yellow** fields will populate automatically based on inputs from subsequent tabs. Refer to the definitions on Tab 24 (Data Dictionary) for additional guidance on each field in this tab.

Table 2a: Recipient & Project Details

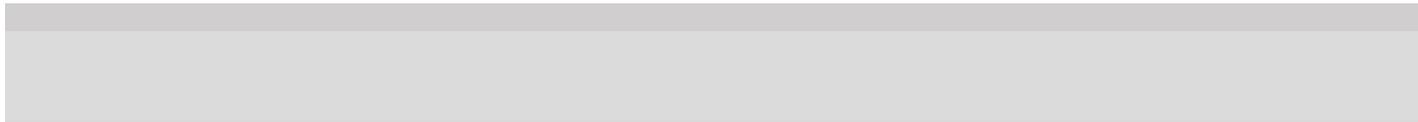
Recipient Organization Name	Recipient Address Information				Primary Contact	
	Street	City	State (select from dropdown)	Zip Code	Name	Title/Role
<i>Example: Organization Alpha</i>	<i>Example: Main Street</i>	<i>Example: Miami</i>	<i>Example: FL</i>	<i>Example: 33101</i>	<i>Example: Ali Raymond</i>	<i>Example: Director of A</i>

Contact Information					
Phone	Email	Recipient Type <i>(select from dropdown) (See NOFO Section III.A for details)</i>	Affiliate Port Authority <i>(if applicable)</i>	SAM.gov Unique Entity ID (UEI)	EPA Grant Number
Example: 111-111-1234	Example: firstname.la	Example: Port Authority	Example: Port Authority	Example: #####	Example: #####

		Project Period <i>For Zero-Emission Technology Deployment projects, project periods may be up to four years.</i>		
Project Title	Project Start Date	Project End Date	Short Project Description <i>Briefly describe your project in one to three sentences only, especially noting the expected outputs and outcomes.</i>	
<i>Example: Clean Port Implementation Project</i>	<i>Example: 01/01/2025</i>	<i>Example: 12/30/2025</i>	<i>Example: This project will update and electrify port equipment, reduc</i>	

					ZE Technology Deployment Project Scope These fields will auto-populate with an X upon completing the linked tabs. Clicking the link will navigate to the respective tab (sheet) for each category of eq			
Total EPA Funding <i>This value should be consistent with the amount included on the SF-424A in cell 5(e) under Section A - Budget Summary and SF-424 in Section 18.a.</i>	Total Recipient Costs <i>This value should be consistent with the amount included on the SF-424A in cell 5(f) under Section A - Budget Summary and SF-424 in Section 18.b-e.</i>	Total Project Costs <i>Sum of Total EPA Funding Requested and Total Recipient Costs</i>	Total Funding for ZE Equipment <i>This field will auto-populate upon completing the 'Fleet Description' tab.</i>	Total Funding for Charging and/or Fueling Infrastructure <i>This field will auto-populate upon completing the 'Infrastructure' tabs.</i>	Onroad Vehicles Cargo Handling Eq Locomotive and R Marine and Harbo			
Example: \$3,000,000	Example: \$25,000	Example: X	Example: X	Example: X	Example: X	Example: X	Example: X	Example: X
		\$ -	\$ -	\$ -				

Equipment & infrastructure							Small Water Port Project? (See NOFO Section II.B for specifications) (select Yes/No from dropdown)
Example: X	Example: X	Example: X	Example: X	Example: X	Example: X	Example: X	Example: No



Dry Port Project?
(See NOFO section I.B. for specifications)
(select Yes/No from dropdown)

Does the recipient use LOGINK or any other prohibited logistics platform as described in NOFO Section III.D.?
(select Yes/No from dropdown)

I would like to be contacted by the EPA or its partners about participating in research opportunities to provide vehicle/equipment and/or infrastructure activity data from equipment included in this grant.
(select Yes from dropdown if interested)

Example: No	Example: No	Example: Yes

Please enter the requested information in the **blue** shaded cells; **yellow** fields will populate automatically based on inputs into guidance on each field in this tab.

For purposes of the Clean Ports Program, a port is either a water port or a dry port, as defined below:

► **Water port:** places on land alongside navigable water (e.g., oceans, rivers, or lakes) with one or more facilities in close proximity to fishing operations.

► **Dry port:** an intermodal truck-rail facility that is included in the 2024 Federal Highway Administration's (FHWA) Intermodal Day, or comprising more than 20 percent of freight volumes handled by any mode within a State.

Table 5: Project Location(s)

Table 5a: Port/Port Facility Location(s)

Port/Port Facility Name

If a port or port facility spans more than one county, please enter a new line for each unique county.

Project Site ID

Port Authority Name (if applicable)

Example: Port of X

Example: Project ID

Example: Port Authority of Port X

Port/Port Facility Name	Project Site ID	Port Authority Name (if applicable)
	Primary Place of Performance	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	
	13	
	14	
	15	
	16	
	17	
	18	
	19	
	20	

Please enter the requested information in the **blue** shaded cells; **yellow** fields will populate automatically based on inputs into **blue** guidance on each field in this tab.

Table 6a: Additional Project Locations

Use this table to identify additional project locations found outside of the ports and port facilities listed in Table 5a.

Site Name

If an Additional Site spans more than 1 county, please enter a new line for each unique county.

Project Site ID

Port(s)/Port Facilities Served by Location
 (separate additional ports by semicolon)

Example: Hialeah Fueling Depot

Example Additional Site A

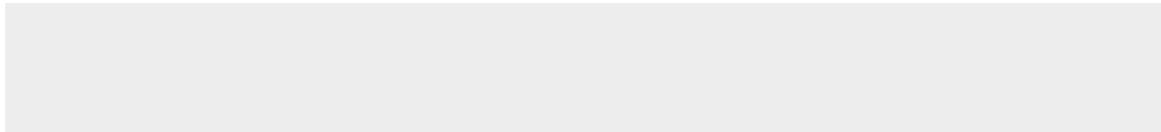
Example: Port of Miami; Port Everglades

Site Name	Project Site ID	Port(s)/Port Facilities Served by Location
	Additional Site 1	
	Additional Site 2	
	Additional Site 3	
	Additional Site 4	
	Additional Site 5	
	Additional Site 6	
	Additional Site 7	
	Additional Site 8	
	Additional Site 9	
	Additional Site 10	
	Additional Site 11	
	Additional Site 12	
	Additional Site 13	
	Additional Site 14	
	Additional Site 15	
	Additional Site 16	
	Additional Site 17	
	Additional Site 18	
	Additional Site 19	
	Additional Site 20	

U. S. Environmental Protection Agency
Clean Ports Program
Additional Location(s)

Instructions

cells. To add additional rows to this table, right click on the numbered row and select "Insert Row". Refer to the definitions on Tab 2



State
(select from dropdown)

County
(select from dropdown)

City

Example: FL

Example: Miami-Dade County

Example: Miami

	<i>please provide state first</i>	

Please use this tab to indicate any changes in planning activities, vehicle or equipment numbers, number of infrastructure items, an automatically based on inputs into blue cells. Use one row per amendment made; more rows may be added if needed. Fill out this t each field in this tab. This tab includes multiple tables which may require scrolling down or across to access.

Table 7a. Post-Award Amendment and Modification Overview

Year	Were there any changes to planning activities, vehicle or equipment numbers, number of infrastructure items, and/or funding amounts in each year of the project period of performance? <i>(Select 'Yes' or 'No' from below; if yes, complete Table 7b)</i>	Number of Amendments and/or Modifications By Year
Year 1	(Yes or No)	0
Year 2	(Yes or No)	0
Year 3	(Yes or No)	0
Year 4	(Yes or No)	0

Table 7b. Post-Award Amendments and Modifications

Amendment Number	Update Year <i>(select from dropdown)</i>	Type of Award Modification <i>(select from dropdown)</i>	Short Description of Modification <i>(select from dropdown)</i>
Ex 1	Year 1 Update	Formal Amendment	Changes to Zero Emission Vehicle or Equipment Deployment
Ex 2	Year 1 Update	Formal Amendment	Changes to Other Planned Activities
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Updated Quantity of Vehicle, Equipment, Fueling, and/or Charger	Corresponding EPA Funding Changes			Affected Project Areas
	Original Funding Request Amount	Updated Funding Request Amount	Change in Funding Amount	Port or Associated Site Name (from Project Location sheets)
Example: 1	Example: \$100,000	Example: \$50,000	Example: -\$50,000	Example: River Port of State X
Example: 20	Example: \$1,250,000	Example: \$1,300,000	Example: \$50,000	Example: River Port of State X
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
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			\$ -	
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			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	

U. S. Environmental Protection Agency
 Clean Ports Program
Financial Summary - Project Lifetime

Table 8a. Summary Rate of Expenditure

Instructions: Record project budget funds only from approved final workplan in the blue shaded cells below. All other numbers will reflect automatically after completion of subsequent tabs.

Financial Summary	Project Budget EPA Funds	Project Budget Recipient Cost Share	Project Budget Total Project Cost	Total Expenses to Date EPA Funds	Total Expenses to Date Recipient Cost Share	Total Expenses to Date Total Project Cost	Remaining Balance EPA Funds
Personnel			\$ -	\$ -	\$ -	\$ -	\$ -
Fringe Benefits			\$ -	\$ -	\$ -	\$ -	\$ -
Travel			\$ -	\$ -	\$ -	\$ -	\$ -
Equipment			\$ -	\$ -	\$ -	\$ -	\$ -
Supplies			\$ -	\$ -	\$ -	\$ -	\$ -
Contractual			\$ -	\$ -	\$ -	\$ -	\$ -
Construction			\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -
Direct Cost Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Indirect Charges			\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Table 8b. Annual Rate of Expenditure

No entry needed - all numbers will reflect automatically from subsequent tabs.

Financial Summary	Year 1 EPA Funds	Year 1 Recipient Cost Share	Year 1 Total Project Cost	Year 2 EPA Funds	Year 2 Recipient Cost Share	Year 2 Total Project Cost	Year 3 EPA Funds
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fringe Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contractual	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Cost Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Indirect Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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Remaining Balance Recipient Cost Share	Remaining Balance Total Project Cost
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -
\$ -	\$ -

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Year 3 Recipient Cost Share	Year 3 Total Project Cost	Year 4 EPA Funds	Year 4 Recipient Cost Share	Year 4 Total Project Cost
\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -
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\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -

Table 9c. Programmatic and Narrative Updates
Record and update project updates below.

Please provide programmatic and narrative updates on the project. As semi-annual reports are submitted, indicate updates or changes for each period. For each period, please indicate if there was a change from the previous period. If yes, please provide an explanation in the subsequent cell.

Question	Jan-Jun 2025 Update	Jul-Dec 2025 Update
1. Provide a comparison of actual accomplishments to the objectives established for the reporting period.		
2. If anticipated outputs/outcomes and/or timelines/milestones are not met, why not? Did you encounter any problems during the reporting period which may interfere with meeting project objectives? What is your plan to address these problems to ensure that the outputs/outcomes will be met within the period of performance?		
3. Have there been any major personnel changes during this reporting period?		
4. Did any public relations events regarding this grant take place during the reporting period?		
5. Are you using websites or other tools used to relay information about this grant to the public?		
6. What project activities are planned for the next reporting period?		
7. Was any program income generated during the reporting period? Identify amount of program income, how it was generated, and how the program income was/will be used.		
8. Have any vehicles, equipment, infrastructure, or activities changed from those included in the final workplan?		

9. Provide the list of energy providers, including electric utilities and hydrogen suppliers, used in this reporting period

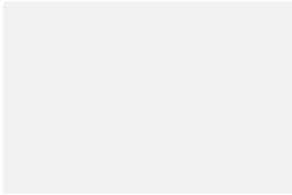
10. Do you have any other comments or feedback?



Jul-Dec 2025 Total Project Cost	
\$	-
\$	-
\$	-
\$	-
\$	-
\$	-
\$	-
\$	-
\$	-

\$	-
\$	-
\$	-

<p>7. Was any program income generated during the reporting period? Identify amount of program income, how it was generated, and how the program income was/will be used.</p>		
<p>8. Have any vehicles, equipment, infrastructure, or activities changed from those included in the final workplan?</p>		
<p>9. Provide the list of energy providers, including electric utilities and hydrogen suppliers, used in this reporting period</p>		
<p>10. Do you have any other comments or feedback?</p>		



Jul-Dec 2026
Total Project Cost

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

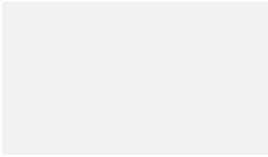
\$	-
\$	-
\$	-

Table 11c. Programmatic and Narrative Updates
Record and update project updates below.

Please provide programmatic and narrative updates on the project. As semi-annual reports are submitted, indicate updates or changes for each period. For each period, please indicate if there was a change from the previous period. If yes, please provide an explanation in the subsequent cell.

Question	Jan-Jun 2027 Update	Jul-Dec 2027 Update
1. Provide a comparison of actual accomplishments to the objectives established for the reporting period.		
2. If anticipated outputs/outcomes and/or timelines/milestones are not met, why not? Did you encounter any problems during the reporting period which may interfere with meeting project objectives? What is your plan to address these problems to ensure that the outputs/outcomes will be met within the period of performance?		
3. Have there been any major personnel changes during this reporting period?		
4. Did any public relations events regarding this grant take place during the reporting period?		
5. Are you using websites or other tools used to relay information about this grant to the public?		
6. What project activities are planned for the next reporting period?		
7. Was any program income generated during the reporting period? Identify amount of program income, how it was generated, and how the program income was/will be used.		

8. Have any vehicles, equipment, infrastructure, or activities changed from those included in the final workplan?		
9. Provide the list of energy providers, including electric utilities and hydrogen suppliers, used in this reporting period		
10. Do you have any other comments or feedback?		



**Jul-Dec 2027
Total Project Cost**

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

\$	-
\$	-
\$	-

Table 12c. Programmatic and Narrative Updates

Record and update project updates below.

Please provide programmatic and narrative updates on the project. As semi-annual reports are submitted, indicate updates or changes for each period. For each period, please indicate if there was a change from the previous period. If yes, please provide an explanation in the subsequent cell.

Question	Jan-Jun 2028 Update	Jul-Dec 2028 Update
1. Provide a comparison of actual accomplishments to the objectives established for the reporting period.		
2. If anticipated outputs/outcomes and/or timelines/milestones are not met, why not? Did you encounter any problems during the reporting period which may interfere with meeting project objectives? What is your plan to address these problems to ensure that the outputs/outcomes will be met within the period of performance?		
3. Have there been any major personnel changes during this reporting period?		
4. Did any public relations events regarding this grant take place during the reporting period?		
5. Are you using websites or other tools used to relay information about this grant to the public?		
6. What project activities are planned for the next reporting period?		
7. Was any program income generated during the reporting period? Identify amount of program income, how it was generated, and how the program income was/will be used.		
8. Have any vehicles, equipment, infrastructure, or activities changed from those included in the final workplan?		

9. Provide the list of energy providers, including electric utilities and hydrogen suppliers, used in this reporting period		
10. Do you have any other comments or feedback?		

U. S. Environmental Protection Agency
 Clean Ports Program

Workplan Commitments: Community Engagement, Project Sustainability, Workforce Development, Resiliency, and Leveraging of Additional External Funds

Instructions

Please complete this tab to report on commitments related to community engagement, project sustainability, job quality/workforce development, resiliency, and leveraging of additional external funds, as defined in the Notice of Funding Opportunity. Only cells shaded in blue need to be filled out. At the end of each of the sections below, there are cells to provide additional narrative responses, as appropriate. Please ensure all questions are answered; provide both quantitative and qualitative details. This tab includes multiple tables which may require scrolling down to access.

Table 13a. Project Community Engagement

Number	Question	Answer 1	Answer 2
1a.	Did the workplan demonstrate that input was sought prior to application, and the proposed project is responsive to comments and concerns of near-port communities?	(Y or N)	
1b.	If yes, describe the engagement with near-port communities prior to application (who, how, and what was the focus), input received, and how the project is responsive to community concerns.		
2a.	Engaging communities about the project during the project period is a <u>required</u> term and condition of the award. Describe the plan to meaningfully engage with near-port communities during the project (e.g., who, how, and what is the focus), including any specific activities referenced in the workplan.		
2b.	During which project reporting period(s) did this engagement occur?		
2c.	What were the outcomes of the engagement?		
3a.	Did the workplan demonstrate that the recipient or project partner(s) have an established long-term policy or process for meaningful community engagement to both receive input on port operations and projects that impact air quality and to address community concerns?	(Y or N)	
3b.	If not, was there a commitment in the workplan to establish a long-term policy or process before the end of the project period?	(Y or N)	
3c.	If yes to either 3a. or 3b. above, describe the policy or process and steps planned to implement the policy or process by the end of the project period.		
3d.	To date, has the recipient and/or project partner(s) completed this commitment?	Select Status	Select Reporting Period Completed

4a.	Please provide any additional details and relevant status updates related to project community engagement. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
4b.	Please provide any additional details and relevant status updates related to project community engagement. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
4c.	Please provide any additional details and relevant status updates related to project community engagement. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
4d.	Please provide any additional details and relevant status updates related to project community engagement. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	

Table 13b. Project Sustainability			
Number	Question	Answer 1	Answer 2
1a.	Did the workplan demonstrate that the recipient and/or project partner(s) have a publicly available baseline port mobile source emission inventory for greenhouse gases, PM2.5, and/or NOx that was completed and published after 2019?	(Y or N)	
1b.	If no, did the workplan commit to completing an emissions inventory before the end of the project period?	(Y or N)	
1c.	To date, has the recipient and/or project partner(s) completed this commitment?	Select Status	Select Reporting Period Completed
1d.	Please provide the URL for the emissions inventory.		
2a.	Did the workplan demonstrate that the recipient and/or project partner(s) have a publicly available plan, finalized and published after 2019, that includes specific targets to reduce port mobile source emissions of greenhouse gases, PM2.5, and/or NOx?	(Y or N)	
2b.	If no, did the workplan commit to completing a plan before the end of the project period?	(Y or N)	
2c.	To date, has the recipient and/or project partner(s) completed this commitment?	Select Status	Select Reporting Period Completed
2d.	Please provide the URL for the plan.		

3a.	Please provide any additional details and relevant status updates related to project sustainability. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
3b.	Please provide any additional details and relevant status updates related to project sustainability. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
3c.	Please provide any additional details and relevant status updates related to project sustainability. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
3d.	Please provide any additional details and relevant status updates related to project sustainability. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	

Table 13c. Job Quality/Workforce Development			
Number	Question	Answer 1	Answer 2
1a.	Did the workplan demonstrate a commitment to support high quality jobs, including but not limited to training workers on new equipment/infrastructure, ensuring worker safety, worker/labor engagement, and/or pay and benefits?	(Y or N)	
1b.	If yes, please describe this commitment.		
1c.	To date, has the recipient and/or project partner(s) completed this commitment?	Select Status	Select Reporting Period Completed
2a.	Did the workplan demonstrate a commitment to expand access to high-quality jobs, including for people in near-port communities?	(Y or N)	
2b.	If yes, please describe this commitment.		
2c.	To date, has the recipient and/or project partner(s) completed this commitment?	Select Status	Select Reporting Period Completed

3a.	Please provide any additional details and relevant status updates related to job quality/workforce development. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
3b.	Please provide any additional details and relevant status updates related to job quality/workforce development. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
3c.	Please provide any additional details and relevant status updates related to job quality/workforce development. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
3d.	Please provide any additional details and relevant status updates related to job quality/workforce development. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	

Table 13d. Resiliency			
Number	Question	Answer 1	Answer 2
1a.	Did the workplan demonstrate how grant-funded technologies (equipment, vehicles, infrastructure, etc.) will be protected from extreme weather and other climate-related events?	(Y or N)	
1b.	If yes, please describe this commitment.		
1c.	To date, has the recipient and/or project partner(s) completed this commitment?	Select Status	Select Reporting Period Completed

2a.	Please provide any additional details and relevant status updates related to project resilience to climate impacts. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
2b.	Please provide any additional details and relevant status updates related to project resilience to climate impacts. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
2c.	Please provide any additional details and relevant status updates related to project resilience to climate impacts. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	
2d.	Please provide any additional details and relevant status updates related to project resilience to climate impacts. Please use the drop downs under 'Select Year' to indicate which year the update was completed. Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.	Select Year	

Table 13e. Leveraging of Additional External Funds (part 1)

Additional information about leveraging external funds should be entered into Tab 14., Table 14a., "Leveraging Additional External Funds (part 2)" where appropriate.

Number	Question	Answer 1	Answer 2
1a.	Did the workplan demonstrate that the recipient has leveraged or plans to leverage additional external funds in order to support project activities? If no, please go to the next table, "Table 13f. Other." If yes, please complete this section and the following tab.	(Y or N)	
1b.	If yes, please describe this commitment, including how these funds will be used to contribute to the performance and success of the project.		

2a.	<p>Please provide any additional details and relevant status updates related to leveraging of additional external funds, including a description of how any secured funds are being used to support proposed project activities and how they are contributing to the performance and success of the project. If any proposed funding was not awarded, use the space provided to indicate plans to make up for these funds. Please use the drop downs under 'Select Year' to indicate which year the update was completed. <i>Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.</i></p>	Select Year	
2b.	<p>Please provide any additional details and relevant status updates related to leveraging of additional external funds, including a description of how any secured funds are being used to support proposed project activities and how they are contributing to the performance and success of the project. If any proposed funding was not awarded, use the space provided to indicate plans to make up for these funds. Please use the drop downs under 'Select Year' to indicate which year the update was completed. <i>Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.</i></p>	Select Year	
2c.	<p>Please provide any additional details and relevant status updates related to leveraging of additional external funds, including a description of how any secured funds are being used to support proposed project activities and how they are contributing to the performance and success of the project. If any proposed funding was not awarded, use the space provided to indicate plans to make up for these funds. Please use the drop downs under 'Select Year' to indicate which year the update was completed. <i>Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.</i></p>	Select Year	
2d.	<p>Please provide any additional details and relevant status updates related to leveraging of additional external funds, including a description of how any secured funds are being used to support proposed project activities and how they are contributing to the performance and success of the project. If any proposed funding was not awarded, use the space provided to indicate plans to make up for these funds. Please use the drop downs under 'Select Year' to indicate which year the update was completed. <i>Note: Do not delete data from prior reports. If providing updates for multiple reporting periods in one year, please indicate all updates in the same cell.</i></p>	Select Year	

Table 13f. Other		
Number	Question	Answer

1	Other: Please provide any additional details or comments regarding community engagement, project sustainability, job quality, workforce development, resiliency, and/or leveraged additional external funds.		
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U. S. Environmental Protection Agency
 Clean Ports Program
Leveraging Additional External Funds

Instructions

Please provide updates on proposed or secured additional external funds using the rows below. Updates should refer to additional external leveraged fund recipient funds. Refer to the following definitions when selecting Status:

- "Not Yet Started:" Funding is proposed but the application process has not yet begun
- "In Progress:" The funding application or selection process is underway, but funds have not been awarded
- "Awarded:" Funding has been officially awarded
- "Not Awarded:" Funding that had been applied for was not awarded

Note: Please add additional rows as needed.

Table 14a. Leveraging Additional External Funds (part 2)

Additional information about additional external funds should be included in Table 13e, 'Leveraging of Additional External Funds (part 1)'.

Source Name	Amount (\$)	Status
		<i>Please Select One</i>



nds, but should *not* include



Reporting Period Awarded
<i>Select Reporting Period</i>

U. S. Environmental Protection Agency
 Clean Ports Program | Zero-Emission Technology Deployment Competitiveness
New Fleet Description

Instructions

The New Fleet Description should detail all vehicles, vessels, and other mobile source equipment that will be purchased as part of the project. Please **yellow** will populate automatically, and some fields will be hashed out if they are not applicable based on the information entered. Please list ALL ports that do NOT need to make a separate worksheet for each port featured in the project. This Fleet Description is connected to the Scrappage Information (see the Fleet Description data definitions on tab 24 (Data Dictionary) for additional guidance on each field.

Build America, Buy America (BABA) requirements

On August 16, 2022, the Inflation Reduction Act ("IRA"), Pub. L. No. 117-169, which includes the Build America, Buy America Act (BABA), Public Law 117, 2022, all of the iron, steel, manufactured products, and construction materials used in infrastructure project are produced in the United States. For another source of funding, whether in part or wholly, for the project. For more information, please visit <https://www.epa.gov/cwsrf/build-america-act>

Table 15. New Vehicle, Equipment, or Powertrain Information
Table 15a: Vehicle/Equipment Overview

Vehicle or Equipment <i>(user is encouraged to modify values in this column. This is used to identify equipment when completing other tabs)</i>	Vehicle or Equipment Type <i>(select from dropdown)</i>	Vehicle or Equipment Subtype <i>(select option from dropdown that best matches vehicle or equipment; must select 'Vehicle or Equipment Type' first)</i>	If 'Other/Not Listed' Subtype selected, please describe	Technology Type <i>(select from dropdown; note that new powertrain is not available for onroad sector)</i>
<i>Example: New Vehicle</i>	<i>Example: Onroad</i>	<i>Example: Short Haul - Combination</i>		<i>Example: New Vehicle/Equipment - Battery Electric</i>
Vehicle/ Equipment 001				
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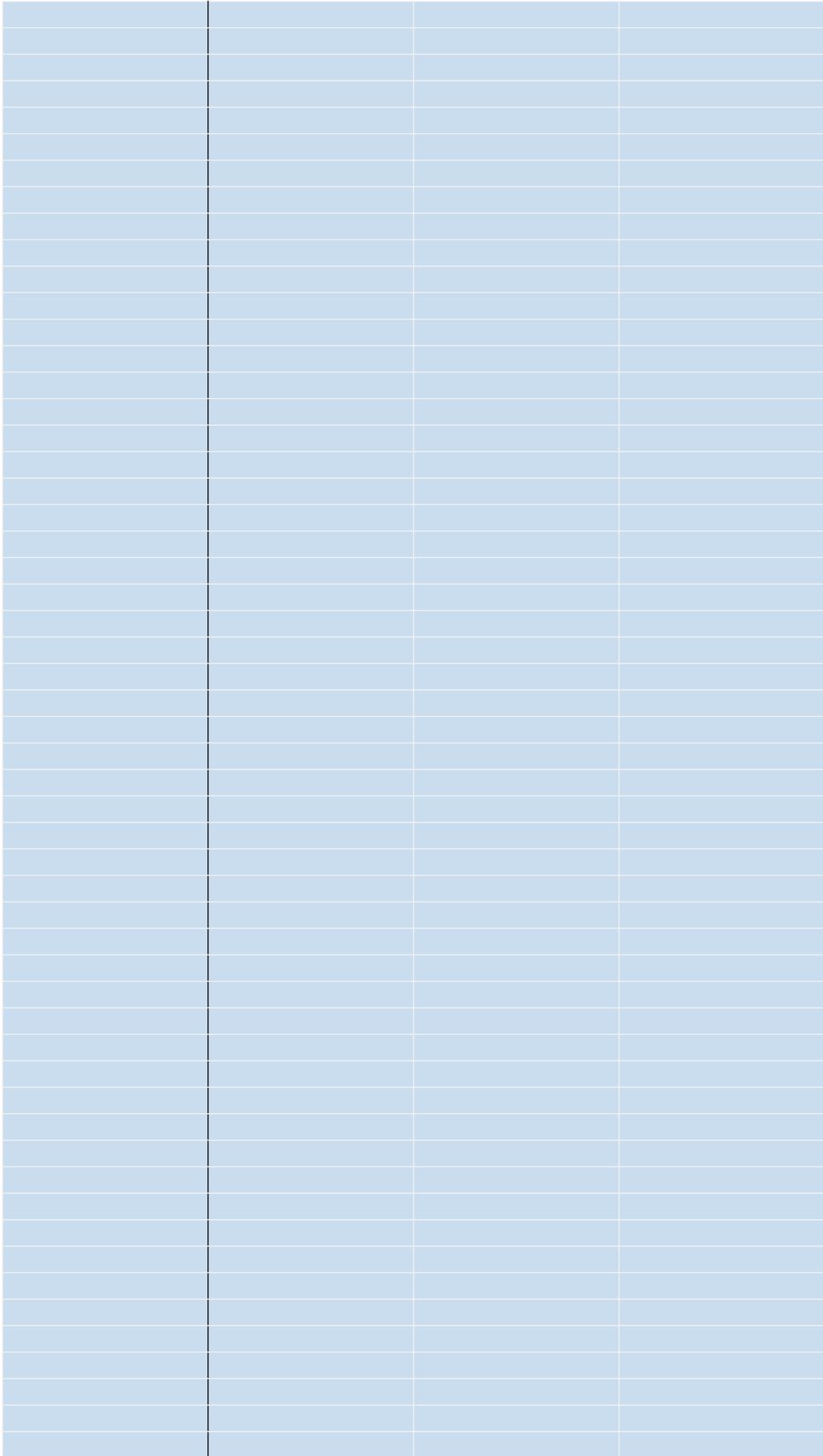
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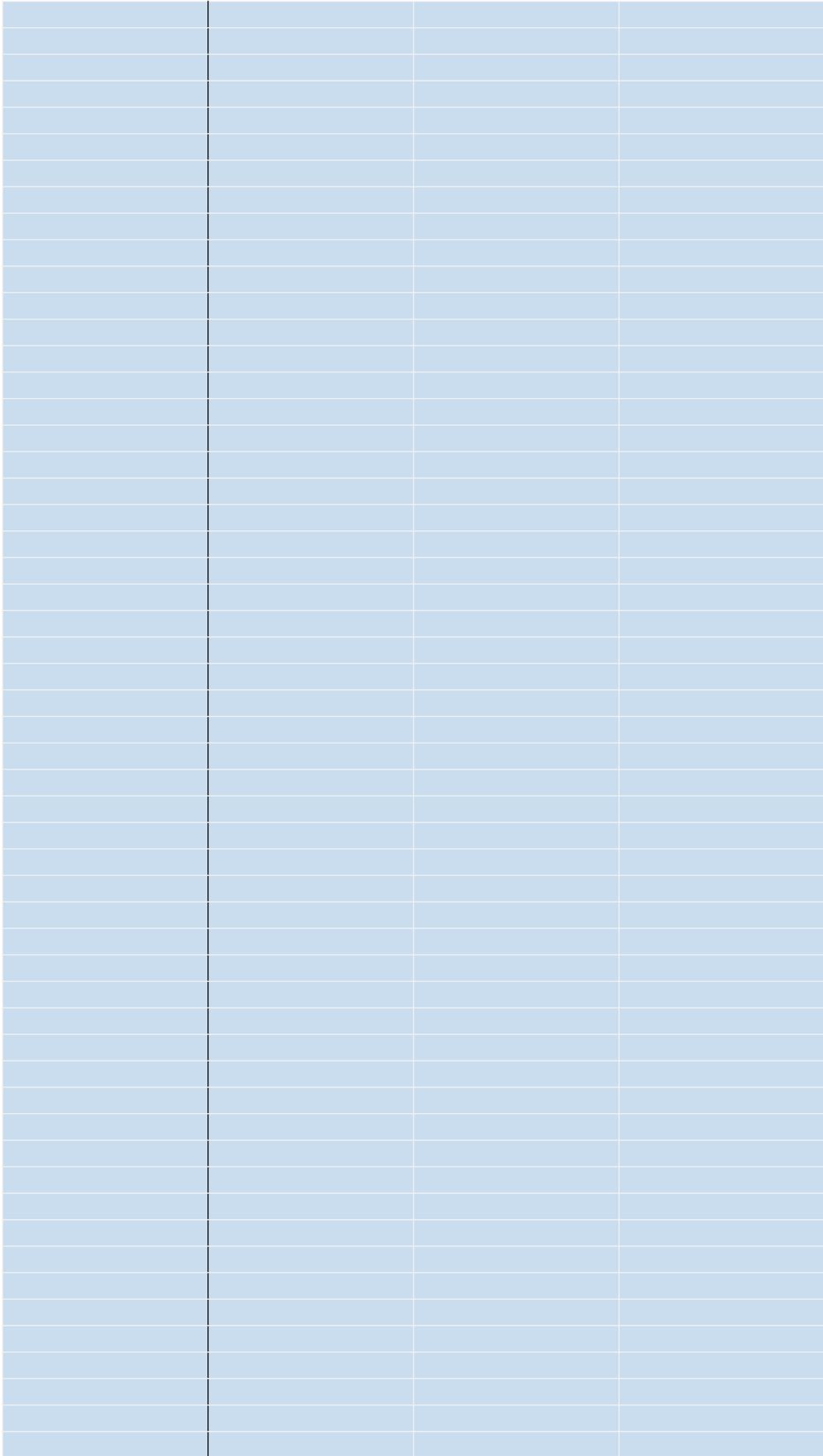
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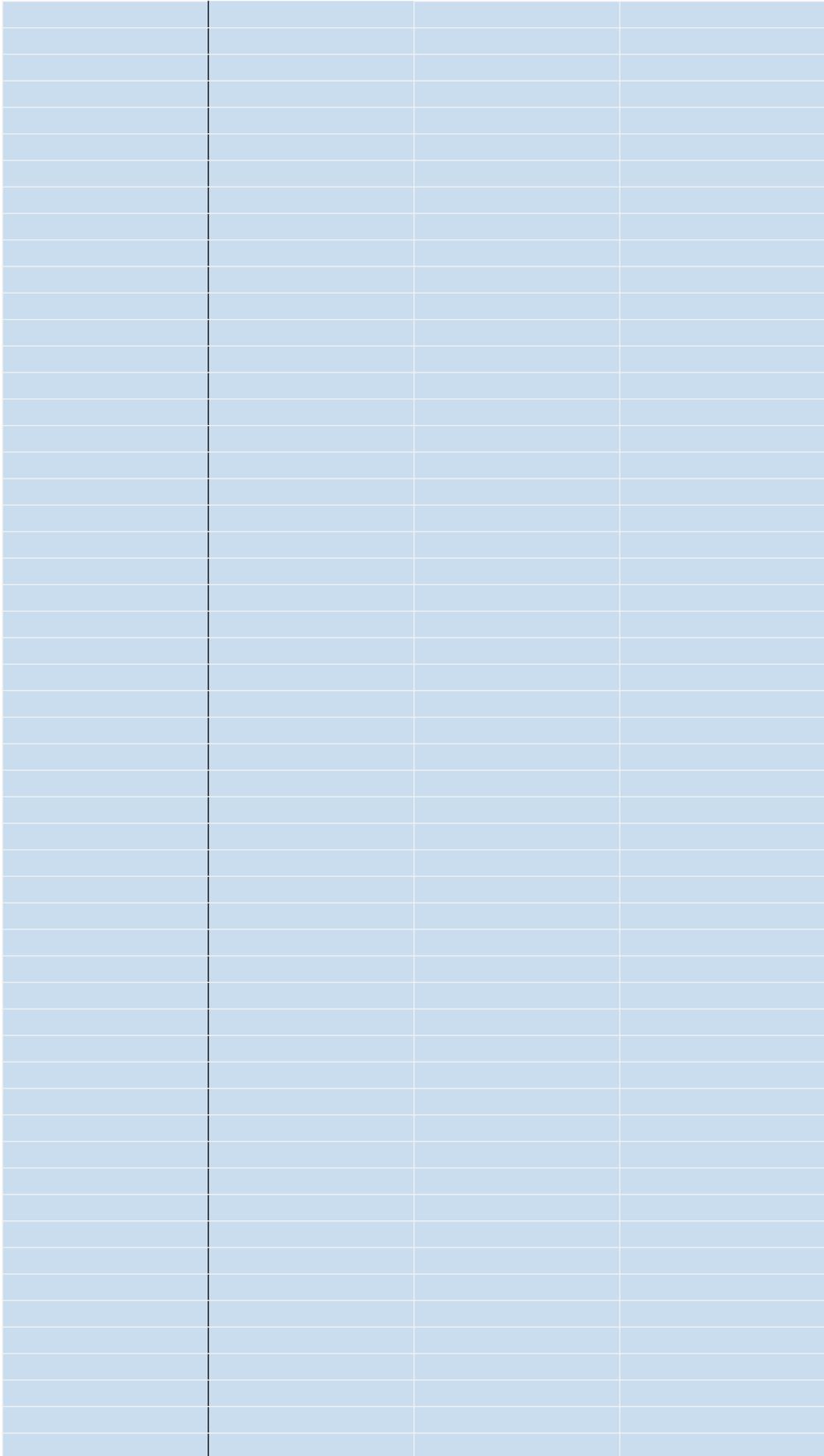
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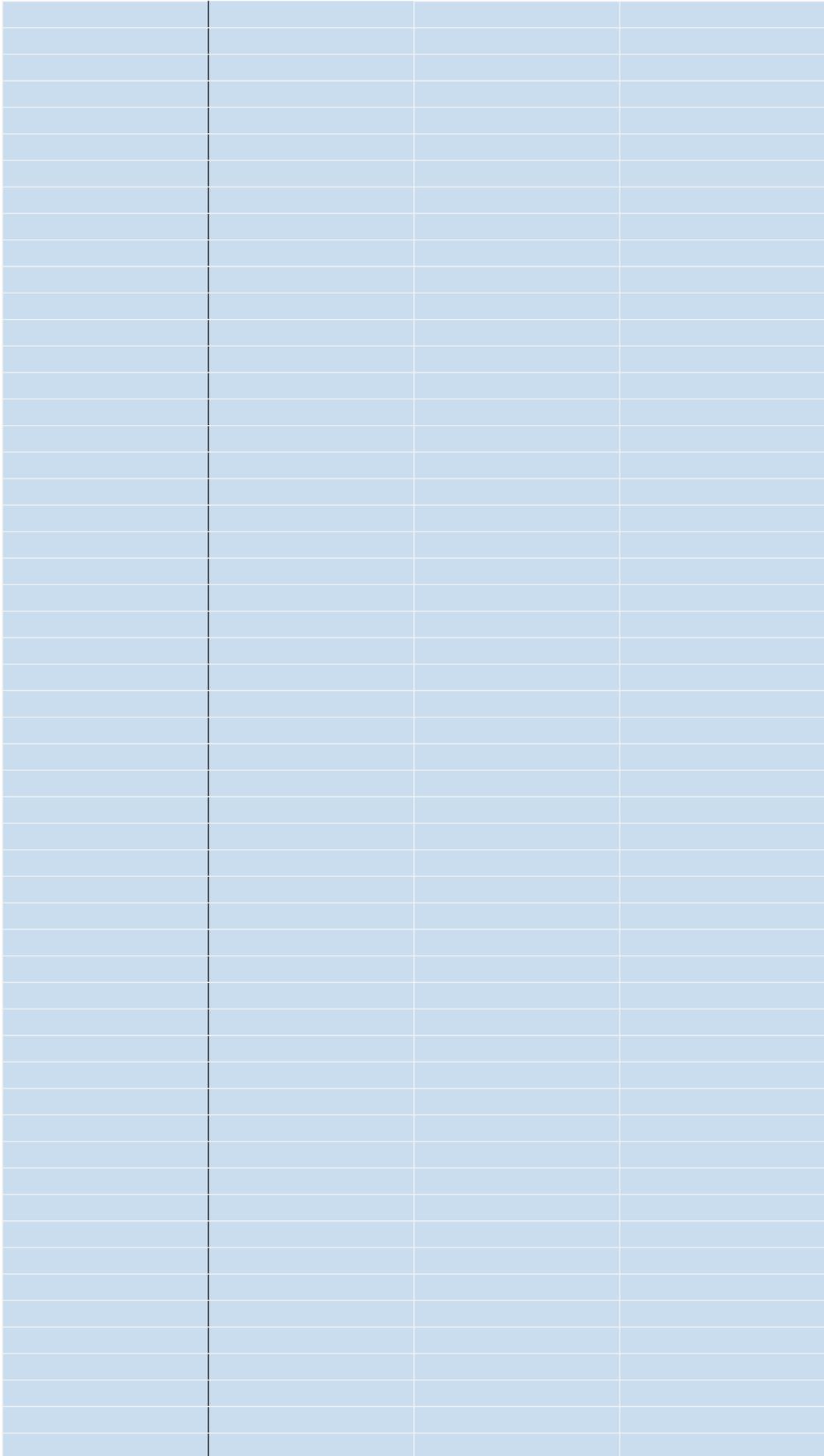
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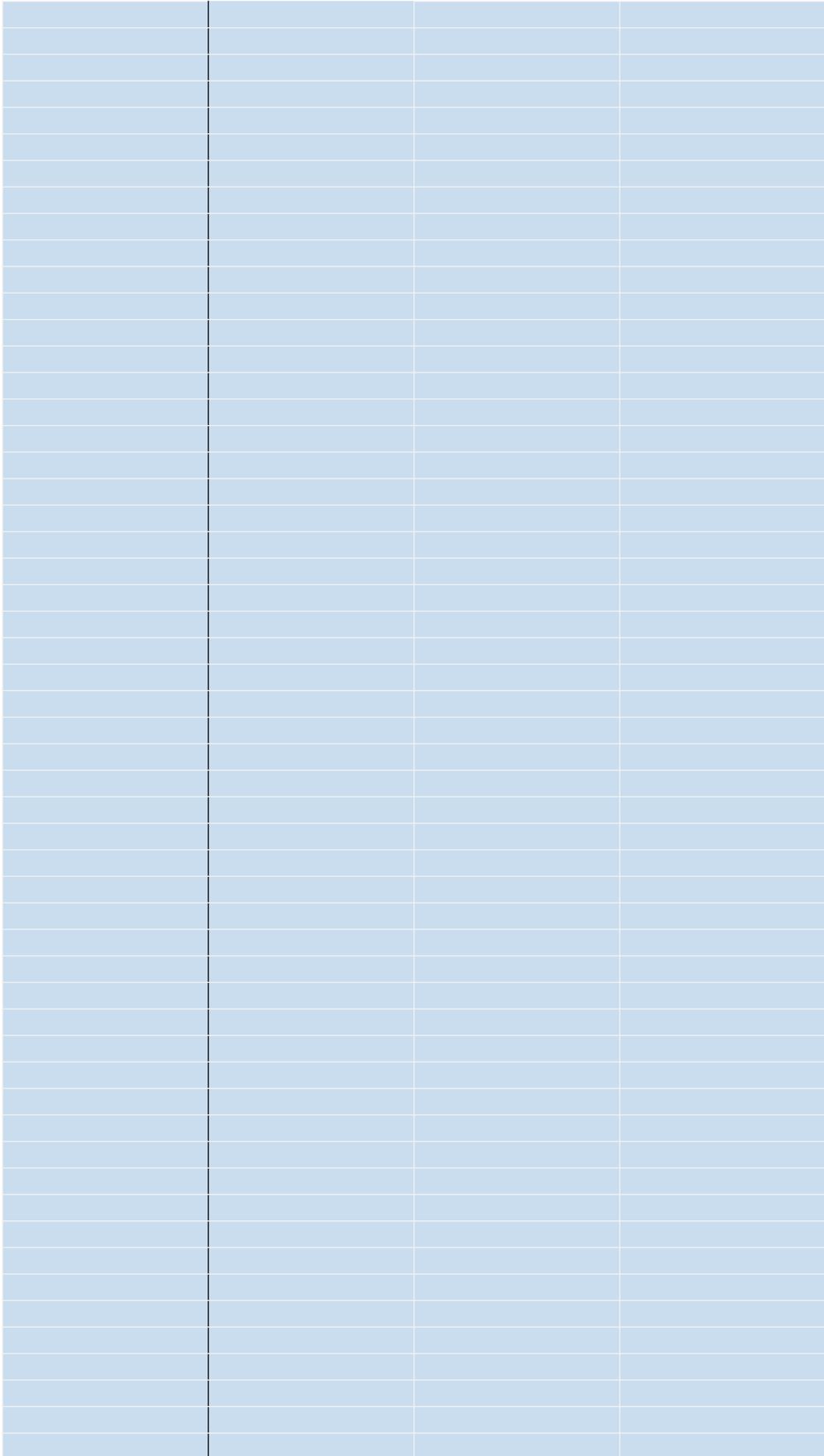
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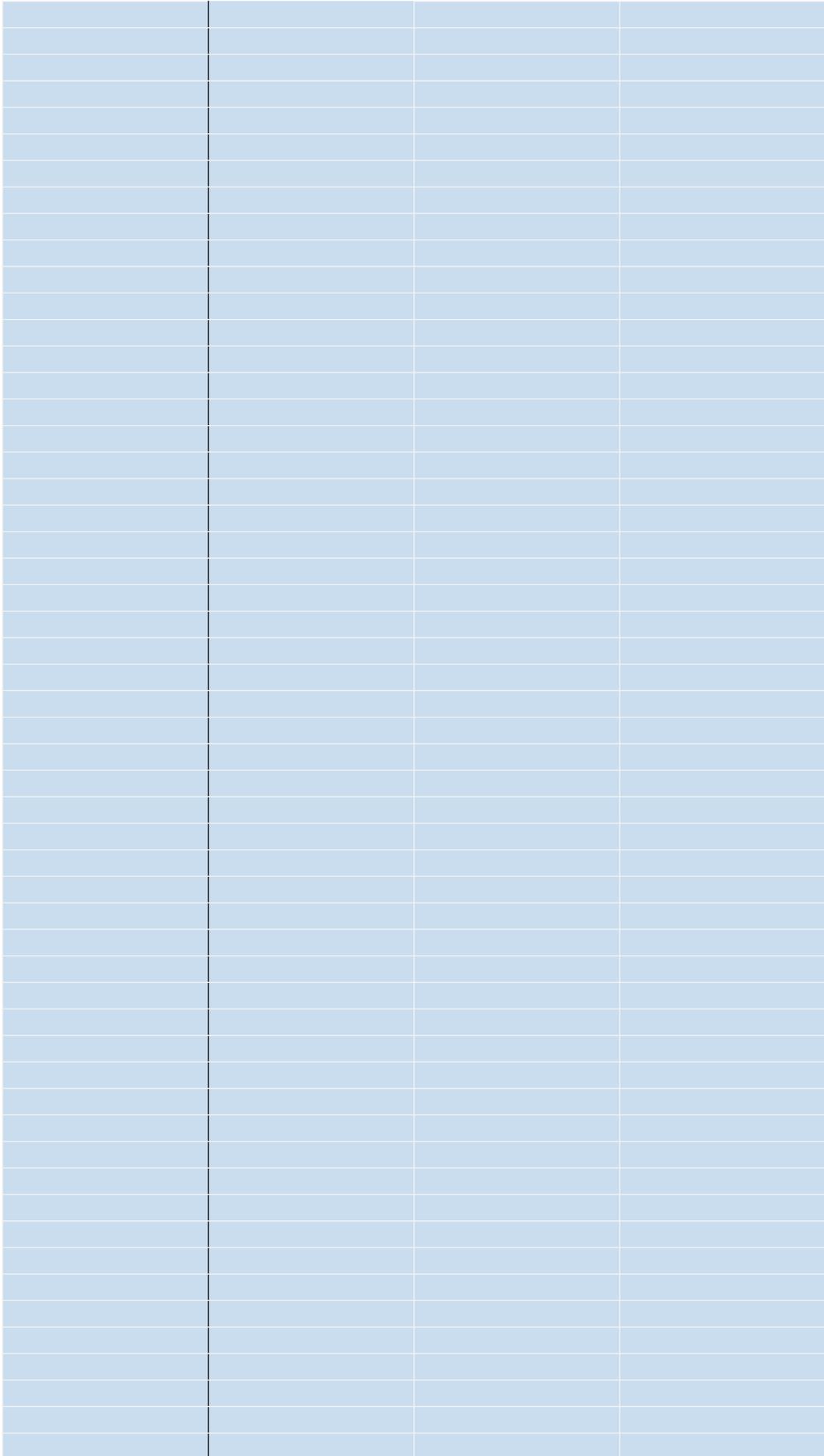


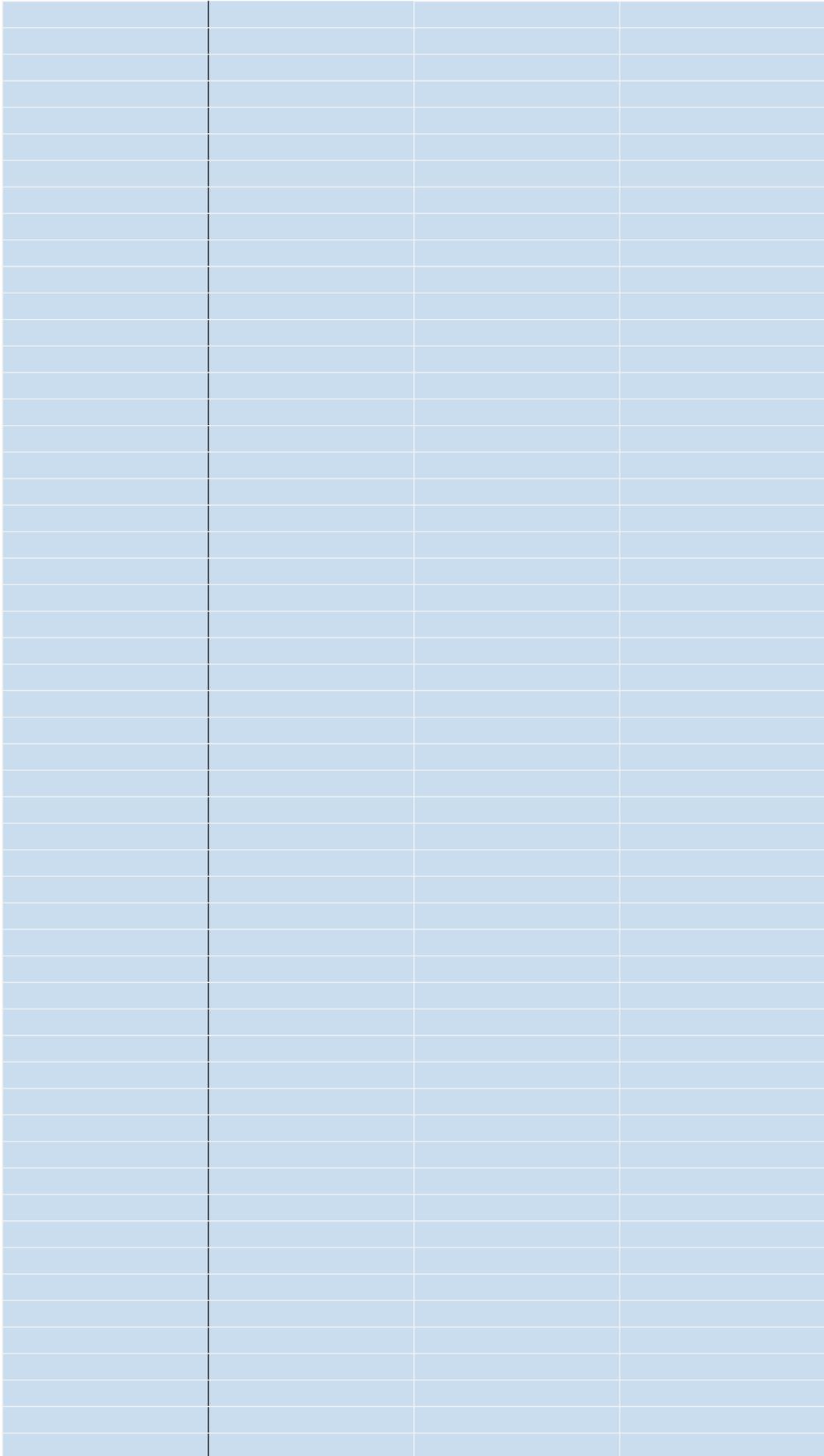


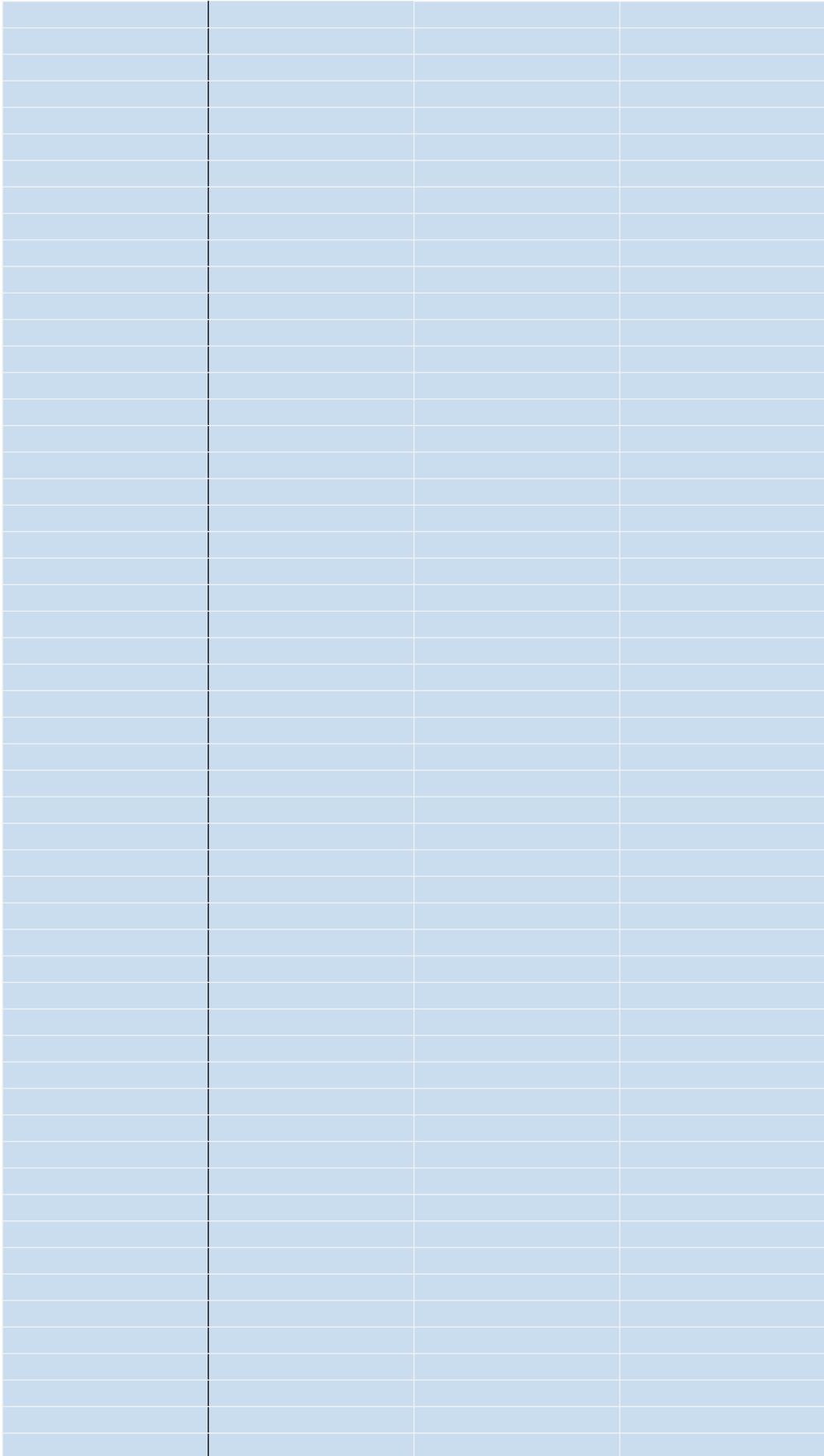


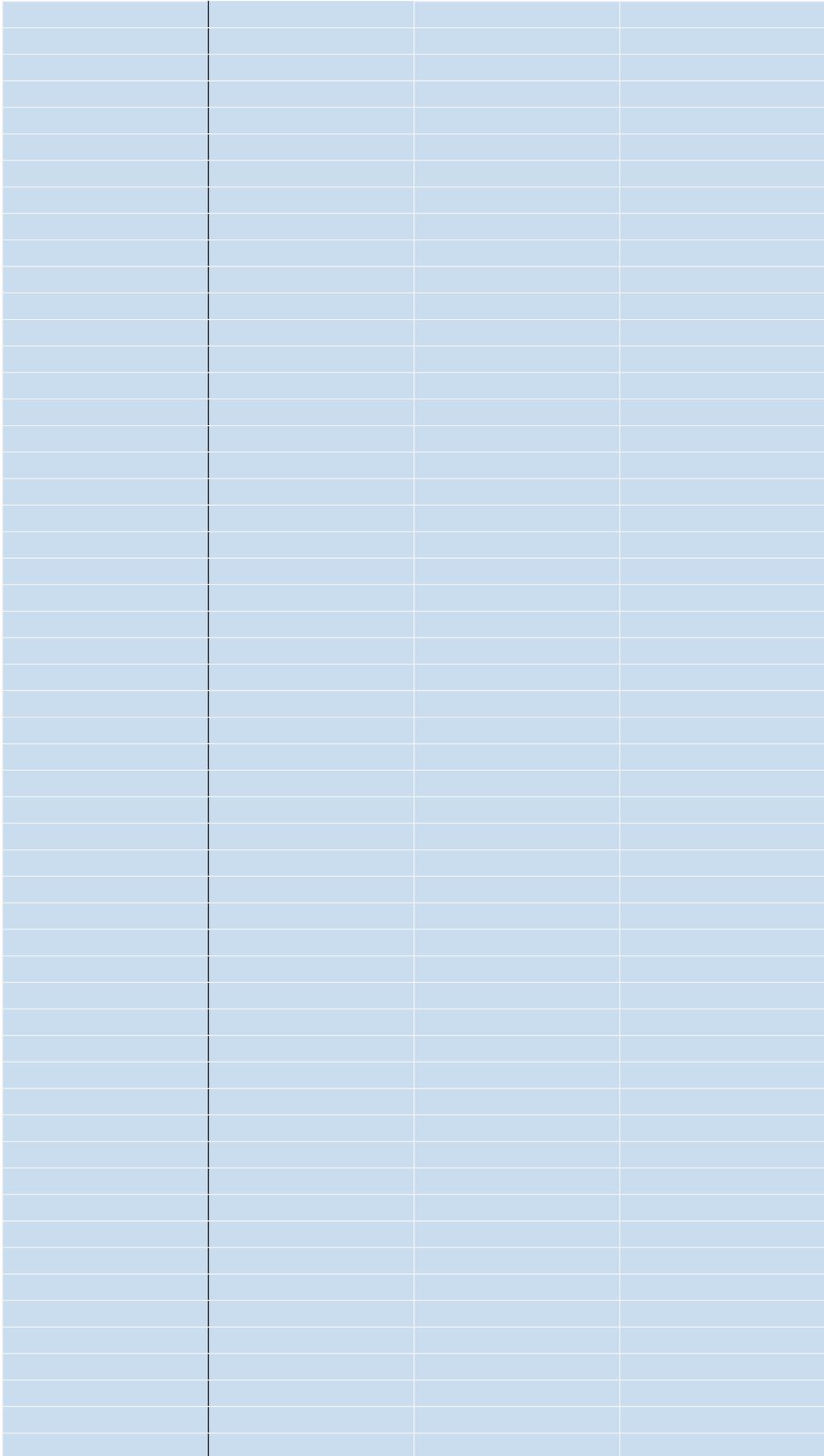












The table is a grid with 4 columns and 30 rows. The columns are filled with solid colors: light blue, dark grey, light blue, and dark grey. The rows are separated by thin white horizontal lines. The entire table area is redacted, containing no text or data.

The table consists of 4 columns and 30 rows. The columns are colored as follows: Column 1 is light blue, Column 2 is dark grey, Column 3 is light blue, and Column 4 is dark grey. All cells within the table are completely redacted with solid colors, containing no text or data.

The table consists of 4 columns and 30 rows. The columns are filled with solid colors: light blue, dark grey, light blue, and dark grey. No text or data is visible within the table cells.

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The table consists of 4 columns and 30 rows. The columns are colored as follows from left to right: light blue, dark grey, light blue, and dark grey. All cells within the table are completely redacted with solid colors, obscuring any text or data that might have been present.

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The table is a large grid with 4 columns and 30 rows. All cells in the table are filled with a solid grey color, indicating that the data has been redacted. The columns are of equal width, and the rows are of equal height. The table occupies the majority of the page's width and height.

The table is a large grid with 4 columns and 30 rows. All cells in the table are filled with a solid grey color, indicating that the data has been redacted. The columns are of equal width, and the rows are of equal height. The table occupies the majority of the page's vertical space.

The table is a large grid with 4 columns and 30 rows. All cells in the table are filled with a solid grey color, indicating that the data has been redacted. The table is positioned in the upper left quadrant of the page.

U. S. Environmental Protection Agency
 Clean Ports Program | Zero-Emission Technology Deployment
Scrappage Information

Instructions

The Scrappage and/or Disposal Information table should detail all vehicles and pieces of equipment that will be scrapped under the project. populate automatically. This Scrappage Information table is connected to the New Fleet Description (Tab 15), and fields in yellow will autopopulate vehicles or equipment. Please refer to the Data Dictionary for additional guidance on each field.

Table 16. Current Vehicle or Equipment Committed for Scrappage Information

Table 16a. Basic Fleet Information and Place(s) of Performance | Note: Yellow fields for the Basic Fleet Information will Automatically Populate

Current Vehicle or Equipment <i>(user is encouraged to modify values in this column. This is used to identify equipment when completing other tabs)</i>	Does this scrapped vehicle or equipment correspond to any New Vehicle or Equipment from 'New Fleet Description' table? <i>(select yes or no from dropdown; if no, proceed to Column AA)</i>	Corresponding New Vehicle, Equipment, or Engine Generally Operating in the Same Area <i>(select 'New Vehicle/Equipment from 'New Fleet Description' table, provided in dropdown)</i>	Affiliated Subawardee <i>(if part of subawardee; select subawardee from dropdown, based on entries into Table 2c)</i>
Example: Old Vehicle	Example Yes	Example: New Vehicle 01	Example: Subawardee Organization 1
Current Vehicle or Equipment 1			#NAME?
Current Vehicle or Equipment 2			#NAME?
Current Vehicle or Equipment 3			#NAME?
Current Vehicle or Equipment 4			#NAME?
Current Vehicle or Equipment 5			#NAME?
Current Vehicle or Equipment 6			#NAME?
Current Vehicle or Equipment 7			#NAME?
Current Vehicle or Equipment 8			#NAME?
Current Vehicle or Equipment 9			#NAME?
Current Vehicle or Equipment 10			#NAME?
Current Vehicle or Equipment 11			#NAME?
Current Vehicle or Equipment 12			#NAME?
Current Vehicle or Equipment 13			#NAME?
Current Vehicle or Equipment 14			#NAME?
Current Vehicle or Equipment 15			#NAME?
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Current Vehicle or Equipment 17			#NAME?
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Current Vehicle or Equipment 22			#NAME?

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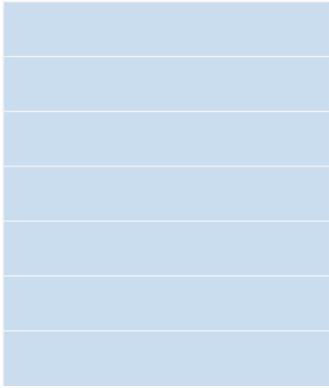
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Please complete the below table if electric vehicle/vessel supply equipment (EVSE) and other charging equipment and supporting infrastru

For all infrastructure tables, the infrastructure needs to be listed by location of installation as well as primary port area of service. For exar areas, if EVSE are being installed in two different locations, the EVSE needs to appear as two separate EVSE Groups. The Infrastructure wo diagonal pattern (///); additional rows may be added as needed to capture all equipment, and may be accessed by unhiding rows in the t; must be ENERGY STAR certified. All infrastructure including EVSE, shore power, hydrogen fueling stations, on-site power generation syster information on BABA.

On August 16, 2022, the Inflation Reduction Act ("IRA"), Pub. L. No. 117-169, which includes the Build America, Buy America Act (BABA), P products, and construction materials used in infrastructure project are produced in the United States. If award recipient will be installing, infrastructure project was the primary basis for the award. Additionally, BABA requirements apply even if the award recipient will be using <https://www.epa.gov/cwsrf/build-america-buy-america-baba>.

Table 17. Electric Vehicle/Vessel Supply Equipment (EVSE) & Other Electric Charging Equipment (not including vessel shore power for nc Table 17a. EVSE & Charger Overview

EVSE Group
(user is encouraged to modify values in this column. This is used to identify equipment when completing other tabs)

Subawardee (if part of Type of Charger subaward)
(select from dropdown)

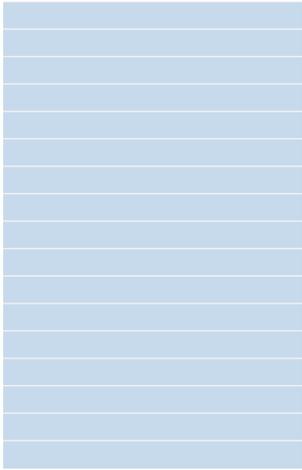
If 'Other' charger type selected, describe charger type

If Level 2, is it ENERGY STAR certified
(select from dropdown)

Example: EV Infrastructure	Example: Subawardee Organization 1	Example: Level 2	Example: High voltage DC for vessel	Example: 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				
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U. S. Environmental
 Clean Ports Program | Zero-Emission
Infrastructure

Instru

Please complete the below table if shore power systems were purchased under the project.

For all infrastructure tables, the infrastructure needs to be listed by location of installation as well as primary port area of service. For large port areas, if EVSE are being installed in two different locations, the EVSE needs to appear as two separate EVSE Groups. Each cost. The Infrastructure worksheets should be updated semi-annually as infrastructure are procured and installed. Please only fill out and may be accessed by unhide rows in the tables below. Please refer to the Infrastructure data definitions on Tab 24 (Data Dictionary), and battery energy storage systems (BESS) must comply with Build America, Buy America (BABA) requirements. See below for

Build America, Buy Amer

On August 16, 2022, the Inflation Reduction Act ("IRA"), Pub. L. No. 117-169, which includes the Build America, Buy America Act (BABA) manufactured products, and construction materials used in infrastructure project are produced in the United States. If award recipient of whether or not the infrastructure project was the primary basis for the award. Additionally, BABA requirements apply even if the information, please visit <https://www.epa.gov/cwsrf/build-america-buy-america-baba>.

Table 18. Shore Power Equipment Information

Table 18a. Shore Power Equipment Information

Shore Power Group
 (user is encouraged to modify values in this column. This is used to identify equipment when completing other tabs)

Subawardee (if part of subaward)

Type of Shore Power Connection
 (select from dropdown)

Total Voltage Service Provided
 (select from dropdown)

Total Voltage Service Provided, if not listed

<i>Example: Shore Power Infrastructure</i>	<i>Example: Subawardee Organization 1</i>	<i>Example: High voltage shore power connection (HVSC)</i>	<i>Example: 6.6 kV</i>	<i>Example: 10 kV</i>
Shore Power Group 1				
Shore Power Group 2				
Shore Power Group 3				
Shore Power Group 4				
Shore Power Group 5				
Shore Power Group 6				
Shore Power Group 7				
Shore Power Group 8				
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Shore Power Group 10				
Shore Power Group 11				
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Shore Power Group 50				

Please complete the below table if hydrogen fueling stations were purchased under the project.

For all infrastructure tables, the infrastructure needs to be listed by location of installation as well as primary port area of service. For ex: being installed in two different locations, the EVSE needs to appear as two separate EVSE Groups. The Infrastructure worksheets should l rows may be added as needed to capture all equipment, and may be accessed by unhiding rows in the tables below. Please refer to the I site power generation systems, and battery energy storage systems (BESS) must comply with Build America, Buy America (BABA) require

Build Amei

On August 16, 2022, the Inflation Reduction Act ("IRA"), Pub. L. No. 117-169, which includes the Build America, Buy America Act (BABA), materials used in infrastructure project are produced in the United States. If award recipient will be installing, upgrading, or replacing "in award. Additionally, BABA requirements apply even if the award recipient will be using another source of funding, whether in part or wh

Table 19. Hydrogen Fueling Station Information

Table 19a. Hydrogen Fueling Station Information Overview

Hydrogen Fueling Station
 (user is encouraged to modify values in this column. This is used to identify equipment when completing other tabs)

Subawardee (if part of subaward)

Type of Station (select from dropdown)

Type of Hydrogen Storage (select from dropdown)

Refilling Pressure (select from dropdown)

Example: Hydrogen Fueling Station		Example: Gas	Example: Above Ground	Example: H35
Hydrogen fueling station 1				
Hydrogen fueling station 2				
Hydrogen fueling station 3				
Hydrogen fueling station 4				
Hydrogen fueling station 5				
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Hydrogen fueling station 49				
Hydrogen fueling station 50				

U. S. Environmental Protection Agency
 Clean Ports Program | Zero-Emission Transportation
Infrastructure

Instruction

Please complete the below table if on-site power generation systems were purchased under the project.

For all infrastructure tables, the infrastructure needs to be listed by location of installation as well as primary port area of service. For example, if EVSE are being installed in two different locations, the EVSE needs to appear as two separate EVSE Groups. The Infrastructure worksheets should follow the pattern (///); additional rows may be added as needed to capture all equipment, and may be accessed by un hiding rows in the tables below. Please note that power, hydrogen fueling stations, on-site power generation systems, and battery energy storage systems (BESS) must comply with Build America,

Build America, Buy America

On August 16, 2022, the Inflation Reduction Act ("IRA"), Pub. L. No. 117-169, which includes the Build America, Buy America Act (BABA), Public Law 117-169, requires that construction materials used in infrastructure project are produced in the United States. If award recipient will be installing, upgrading, or replacing the primary basis for the award. Additionally, BABA requirements apply even if the award recipient will be using another source of funding, whether federal, state, or local.

Table 20. On-Site Power Generation Equipment Information | Note: If the on-site power generation includes an energy storage system, inform us in the "Energy Storage" column of the "Infrastructure - BESS" table.

Table 20a. On-Site Power Generation Equipment Information

On-site Power Generation Unit <i>(user is encouraged to modify values in this column. This is used to identify equipment when completing other tabs)</i>	Subawardee (if part of subaward)	Type of energy generation <i>(select from dropdown)</i>	Manufacturer of On-site Power Generation <i>(include both panel and inverter manufacturers)</i>	Model of On-site Power Generation <i>(include both panel and inverter models)</i>
<i>Example: On-site Power Generation</i>		<i>Example: Solar</i>	<i>Example: Panels: Great Solar Co; Inverter: Blue Skies Electric Co</i>	<i>Example: Panels: model; Inverter: model</i>
On-site Power Generation 1				
On-site Power Generation 2				
On-site Power Generation 3				
On-site Power Generation 4				
On-site Power Generation 5				
On-site Power Generation 6				
On-site Power Generation 7				
On-site Power Generation 8				
On-site Power Generation 9				
On-site Power Generation 10				
On-site Power Generation 11				
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On-site Power Generation 39
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On-site Power Generation 41
On-site Power Generation 42
On-site Power Generation 43
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On-site Power Generation 49
On-site Power Generation 50

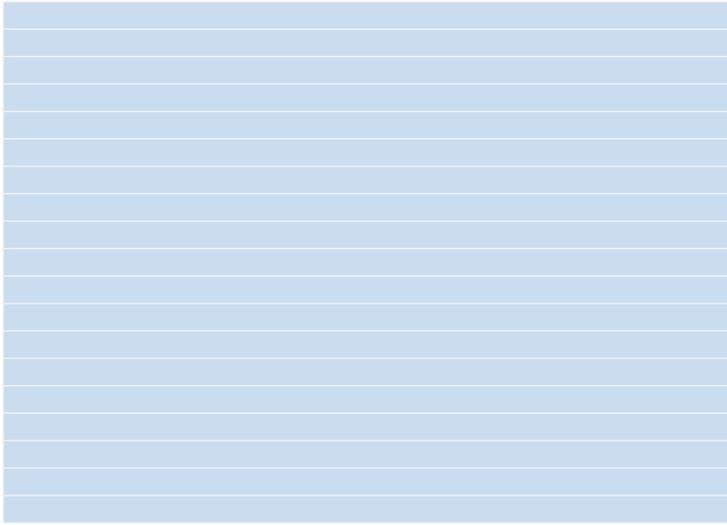


Table 20d. BABA Compliance

Completion Date of the On-site Power Generation Installation (mm/dd/yyyy)	Date of the On-site Power Generation Operational (mm/dd/yyyy)	Is the On-site Power Generation Infrastructure BABA Compliant? (select from dropdown)
--	--	--

Example: 6/28/2024

Example: 8/28/2024

Example: Yes - This Infrastructure is BABA Compliant

Table 20e. On-Site Power Generation Cost Summary

Equipment Cost only Per Power Generation System	Total EPA Funds Expended Per Power Generation System	Total Funds Expended Installation Cost	Total EPA Funds Expended Installation Cost
--	---	---	---

Example: \$45,000.00

Example: \$45,000.00

Example: \$7,000.00

Example: \$5,000.00

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Clear

Please complete the below table if battery energy storage systems were purchased under the project.

For all infrastructure tables, the infrastructure needs to be listed by location of installation as well as primary port area of service. For example needs to appear as two separate EVSE Groups. The Infrastructure worksheets should be updated semi-annually as infrastructure are procured tables below. Please refer to the Infrastructure data definitions on Tab 24 (Data Dictionary) for data field definitions. All infrastructure including for more information on BABA.

On August 16, 2022, the Inflation Reduction Act ("IRA"), Pub. L. No. 117-169, which includes the Build America, Buy America Act (BABA), Public produced in the United States. If award recipient will be installing, upgrading, or replacing "infrastructure," then BABA requirements apply to the source of funding, whether in part or wholly, for the infrastructure project. For more information, please visit <https://www.epa.gov/cwsrf/build>

Table 21. Battery Energy Storage System (BESS) Equipment Information

Table 21a. BESS Equipment Overview

BESS Group
 (user is encouraged to modify values in this column. This is used to identify equipment when completing other tabs)

Subawardee (if part of subaward)

Manufacturer of BESS

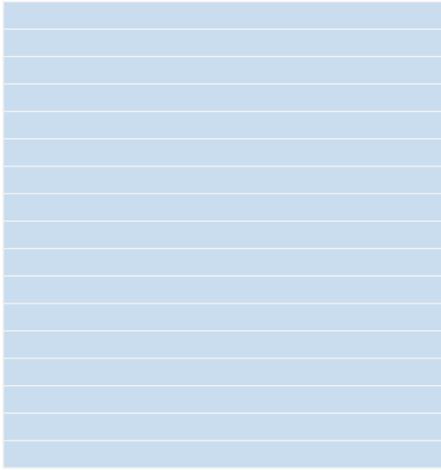
Model of BESS

Manufacture Year of BESS Number of Units

Example: BESS	Example:	Example: Manufacturer Name	Example: Model Name	Example: 2023	Example: 2
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					
BESS Group 11					
BESS Group 12					
BESS Group 13					
BESS Group 14					
BESS Group 15					
BESS Group 16					
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U. S. I
Clean Ports Program |

Please complete the below text response if any other eligible i

The Infrastructure worksheets should be updated semi-annua
blue with a diagonal pattern (///). Please refer to the Infrastru
infrastructure including EVSE, shore power, hydrogen fueling s
must comply with Build America, Buy America (BABA) require

Build Ame

On August 16, 2022, the Inflation Reduction Act ("IRA"), Pub. L
117-58, §§ 70901-52, was signed into law. BABA requires that
materials used in infrastructure project are produced in the U
then BABA requirements apply to the infrastructure project, r
award. Additionally, BABA requirements apply even if the awa
infrastructure project. For more information, please visit <https>

Question

**Are there any other infrastructure projects associated with
this grant that are not listed on the previous sheets? (select
Yes/No)**

**If no, please leave this section blank. If yes, please provide
details in the box below to the right on the infrastructure
project and describe how BABA compliance was determined.**

Environmental Protection Agency
Zero-Emission Technology Deployment Competition
Infrastructure Description

Instructions

infrastructure activity was funded by this grant.

lly as infrastructure are procured and installed. Please only fill out shaded cells highlighted
cture data definitions on Tab 24 (Data Dictionary) for data field definitions. All
stations, on-site power generation systems, and battery energy storage systems (BESS)
ments. See below for more information on BABA.

Buy America (BABA) requirements

.. No. 117-169, which includes the Build America, Buy America Act (BABA), Public Law
on or after May 14, 2022, all of the iron, steel, manufactured products, and construction
nited States. If award recipient will be installing, upgrading, or replacing "infrastructure,"
egardless of whether or not the infrastructure project was the primary basis for the
rd recipient will be using another source of funding, whether in part or wholly, for the
:://www.epa.gov/cwsrf/build-america-buy-america-baba.

Answer

U. S. Enviro
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Final Report: Fir

Table 23b. Project Updates - Programmatic and Narrative Financial Results of Project

Please provide programmatic and narrative financial results on the project.

Question	Answer
<p>1. Provide a narrative description of the project.</p>	
<p>2. Explain the reason for any differences in proposed versus actual outputs/outcomes identified in the table above.</p>	
<p>3. Provide a narrative discussion of the actual project results (outputs and outcomes) and how the results are quantified. These may include, but are not limited to:</p> <p><i>Example outputs:</i></p> <ul style="list-style-type: none"> - Number of ZE drayage trucks purchased; - Number of existing drayage trucks (with internal combustion engines) scrapped; - Number and type of infrastructure systems installed; - Number of local residents and community-based organizations participating in the design, planning, and performance of the project; - Other <p><i>Example outcomes:</i></p> <ul style="list-style-type: none"> - Emissions reductions, such as tons of pollution avoided annually or over the lifetime of the drayage trucks; - Net reductions in gallons of diesel fuel used annually or over the lifetime of the drayage trucks; - Establishment of forums to engage near-port communities; - Increased capacity for port staff to consider community perspectives in decision-making; - Other 	

<p>4. Provide information on subrecipients and vendors:</p> <ul style="list-style-type: none">- Sub-recipient information (name, award amount, project description);- Vendor information (name, payment amount, good/services provided);- Utility providers for equipment featured in this project- Hydrogen providers for equipment	
<p>5. Provide a narrative discussion of the successes and lessons learned for the entire project.</p>	
<p>6. If any cost-share or additional leveraged funds are reported, identify the source of the funds.</p>	
<p>7. Was any program income generated during the project period? Identify amount of program income, how it was generated, and how the program income was used.</p>	

<p>8. For projects involving vehicle/equipment scrappage, please provide:</p> <p>a) Evidence that the scrapped vehicles/equipment met all ownership, usage, and remaining life requirements described in the program Terms and Conditions. Participating fleet owners must attest to each of these criteria in a signed eligibility statement that includes each equipment make, model, year, vehicle or other unique identification number, odometer/usage meter reading, engine make, model, year, horsepower, engine ID or serial number, and vehicle/equipment/vessel registration/licensing number and state.</p> <p>b) Evidence that the scrapped vehicles/equipment were scrapped or rendered permanently disabled within two years of being replaced, or before the end of the project performance period, whichever comes first. Vehicles/equipment must be scrapped using the preferred method described in the program Terms and Conditions or another acceptable scrappage method approved by the EPA. <i>*Include Attachments as Necessary</i></p>	
<p>9. Did you include at least one photo of successful, new equipment(s) or vehicle(s) employed? If yes, please indicate if you approve of permission for EPA's future use of the photo(s) in future internal and external documents including, but not limited to Reports to Congress and case studies highlighting Clean Ports Program success stories.</p>	
<p>10. Do you have any other comments or feedback?</p>	

Table 23c. Project Updates - Subaward Reporting Requirements (if applicable)	
<i>Please provide subaward information on the project and an explanation in each cell below.</i>	
Question	Answer

<p>Did this project feature subawards? If yes, please provide the information requested below.</p>	<p>(Yes or No)</p>
<p>Summaries of results of reviews of financial and programmatic reports</p>	
<p>Summaries of findings from site visits and/or desk reviews to ensure effective subrecipient performance</p>	
<p>Environmental results the subrecipient achieved</p>	
<p>Summaries of audit findings and related pass-through entity management decisions</p>	
<p>Actions the pass-through entity has taken to correct deficiencies such as those specified at 2 CFR 200.332, 2 CFR 200.208 and the 2 CFR 200.339 Remedies for Noncompliance</p>	

Environmental Protection Agency
San Ports Program
Financial and Narrative Summary

Project Updates - Narrative Responses
Final project information.

Anticipated Outcomes	Actual Outputs

Clean Poi

Tab 2. Recipient & Project Details

Regional Agency with jurisdiction over a port authority or a port

Recipient Organization Name
Recipient Address - Street
Recipient Address - City
Recipient Address - State (select from dropdown)
Recipient Address - Zip Code
Primary Contact Information - Name
Primary Contact Information - Title/Role
Primary Contact Information - Phone
Primary Contact Information - Email

Recipient Type
(See NOFO Section III.A for details)

Affiliate Port Authority
(if applicable)

SAM.gov Unique Entity ID (UEI)

EPA Grant ID Number

Project Title

Project Period - Project start date

Project Period - Project end date

Short Project Description

Total EPA Funding

Total Recipient Costs

Total Project Costs

Total Funding for ZE Equipment

This field will auto-populate upon completing the 'Fleet Description' tab.

Total Funding for Charging and/or Fueling Infrastructure

This field will auto-populate upon completing the 'Infrastructure' tabs.

ZE Technology Deployment Project Scope - Onroad Vehicles

ZE Technology Deployment Project Scope - Cargo Handling Equipment and Other Nonroad

ZE Technology Deployment Project Scope - Locomotive and Rail

ZE Technology Deployment Project Scope - Marine and Harbor Vessels

ZE Technology Deployment Project Scope - Project Features Scrappage of Equivalent Equipment?

ZE Technology Deployment Project Scope - Electric Vehicle/Vessel Supply Equipment (EVSE)

ZE Technology Deployment Project Scope - Shore Power Infrastructure

ZE Technology Deployment Project Scope - Hydrogen Fueling Infrastructure

ZE Technology Deployment Project Scope - Solar and Wind Power Generation

ZE Technology Deployment Project Scope - Battery Energy Storage System

ZE Technology Deployment Project Scope - Other Infrastructure

Small Water Port Project?

(See NOFO Section II.B for specifications)

Dry Port Project?

(See NOFO section I.B. for specifications)

Does the Recipient use LOGINK or any other prohibited logistics platform as described in NOFO Section III.D.?

I would like to be contacted by the EPA or its partners about participating in research opportunities to provide vehicle/equipment and/or infrastructure activity data from equipment included in this grant.

Tab 3. Project Partners

Table 3a: Project Partners

Project Partner Organization Name

Primary Contact Information for Project Partner(s):
Name

Primary Contact Information for Project Partner(s):
Title/Role

Primary Contact Information for Project Partner(s):
Email

Primary Contact Information for Project Partner(s):
Phone

Type of Organization
(select from dropdown)

Type of Organization
If Other selected for Type of Organization, describe

Nature of Partnership with Recipient
(select from dropdown)

Role in Project
Describe

In this partner a subawardee?
(select Yes/No from dropdown)

Tab 4. Subawardees

Table 4a: Subawardee Profile

Subawardee Organization Name

Subawardee Unique ID
(if applicable)

Role in Project
(select from dropdown)

Role in Project
If Other selected for 'Role in Project', describe

Subaward Funding Amount

Table 4b, 4c, 4d, 4e. Year 1 Project Updates - Subaward Reporting Requirements

Summaries of results of reviews of financial and programmatic reports

Summaries of findings from site visits and/or desk reviews to ensure effective subrecipient performance

Environmental results the subrecipient achieved

Summaries of audit findings and related pass-through entity management decisions

Actions the pass-through entity has taken to correct deficiencies such as those specified at 2 CFR 200.332, 2 CFR 200.208 and the 2 CFR 200.339 Remedies for Noncompliance

Tab 5. Port Facility Locations

Table 5a: Port/Port Facility Location(s)

Port/Port Facility Name

If a port or port facility spans more than one county, please enter a new line for each unique county.

Project Site ID

Port Authority Name (if applicable)

State
(select from dropdown)

County
(select from dropdown)

City

Description of Project Activity at Port/Port Facility

Estimate of the Share of Overall Project Activity at this Site
(For each project location, enter a value between 0-100% based on the percentage of the total grant activities taking place at that location.)

County FIPS Code

EPA Region

Does this county contains a PM2.5 or Ozone Nonattainment Area?

Does this county contains a Severe or Extreme Ozone Nonattainment Area?

Does this county contains a PM2.5 or Ozone Maintenance Area?

Does this county contain an area with High Ambient Diesel PM Concentration?

Tab 6. Additional Locations

Table 6a: Additional Project Locations: Use this table to identify additional project locations found outside of the main project location.

Site Name

If an Additional Site spans more than 1 county, please enter a new line for each unique county.

Project Site ID

Port(s)/Port Facilities Served by Location
(separate additional ports by semicolon)

State
(select from dropdown)

County
(select from dropdown)

City

Description of Project Activity at Site
(if known)

Estimate of the Share of Overall Project Activity at Site
(For each project location, enter a value between 0-100% based on the percentage of the total grant activities taking place at that location.)

County FIPS Code

EPA Region

Does this county contains a PM2.5 or Ozone Nonattainment Area?

Does this county contains a Severe or Extreme Ozone Nonattainment Area?

Does this county contains a PM2.5 or Ozone Maintenance Area?

Does this county contain an area with High Ambient Diesel PM Concentration?

Tab 7. Amendments and Modifications

Table 7a. Post-Award Amendment and Modification Overview

Were there any changes to planning activities, vehicle or equipment numbers, number of infrastructure items, and/or funding amounts in each year of the project period of performance? (Select 'Yes' or 'No' from below; if yes, complete Table 4b)

Number of Amendments and/or Modifications By Year

Change in Funding Amount by Year

Table 7b. Post-Award Amendments

Update Year

(select from dropdown)

Type of Award Modification

(select from dropdown)

Short Description of Modification (select from dropdown)

Briefly Describe the Modification

Original Vehicle, Equipment, Fueling, and/or Charger Type

Updated Vehicle, Equipment, Fueling, and/or Charger Type

Original Quantity of Vehicle, Equipment, Fueling, and/or Charger

Updated Quantity of Vehicle, Equipment, Fueling, and/or Charger

Original Funding Request Amount

Updated Funding Request Amount

Change in Funding Amount

Site or Associated Site Name (from Project Location sheets)

(if applicable)

Tab 8. Financial Summary

Table 8a. Summary Rate of Expenditure

Project Budget

EPA Funds

Project Budget

Recipient Cost Share

Project Budget

Total Project Cost

Total Expenses to Date

EPA Funds

Total Expenses to Date

Recipient Cost Share

Total Expenses to Date

Total Project Cost

Remaining Balance

EPA Funds

Remaining Balance

Recipient Cost Share

Remaining Balance

Total Project Cost

Table 8b. Annual Rate of Expenditure

Year 1

EPA Funds

Year 1

Recipient Cost Share

Year 1

Total Project Cost

Year 2

EPA Funds

Year 2

Recipient Cost Share

Year 2

Total Project Cost

Year 3

EPA Funds

Year 3

Recipient Cost Share

Year 3

Total Project Cost

Year 4

EPA Funds

Year 4

Recipient Cost Share

Year 4

Total Project Cost

Tab 9. Year 1

Table 9a. Year 1 Annual Rate of Expenditure

Line Item Description

Jan-Jun 2025

EPA Funds

Jan-Jun 2025

Recipient Cost Share

Jan-Jun 2025

Total Project Cost

Jul-Dec 2025

EPA Funds

Jul-Dec 2025

Recipient Cost Share

Jul-Dec 2025

Total Project Cost

Table 9b. Project Updates - Narrative Responses

Activities

Anticipated Outputs

Anticipated Outcomes

Progress to Date:

Jan-Jun 2025

(select from dropdown)

Progress to Date:

Jul-Dec 2025

(select from dropdown)

Progress Notes

Describe

Table 9c. Programmatic and Narrative Updates

Jan-Jun 2025 Update

Jul-Dec 2025 Update

Tab 10. Year 2

Table 10a. Year 2 Annual Rate of Expenditure

Line Item Description

Jan-Jun 2026

EPA Funds

Jan-Jun 2026

Recipient Cost Share

Jan-Jun 2026

Total Project Cost

Jul-Dec 2026

EPA Funds

Jul-Dec 2026

Recipient Cost Share

Jul-Dec 2026

Total Project Cost

Table 10b. Project Updates - Narrative Responses

Activities

Anticipated Outputs

Anticipated Outcomes

Progress to Date:

Jan-Jun 2026

(select from dropdown)

Progress to Date:

Jul-Dec 2026

(select from dropdown)

Progress Notes

Describe

Table 10c. Programmatic and Narrative Updates

Jan-Jun 2026 Update

Jul-Dec 2026 Update

Tab 11. Year 3

Table 11a. Year 3 Annual Rate of Expenditure

Line Item Description

Jan-Jun 2027

EPA Funds

Jan-Jun 2027

Recipient Cost Share

Jan-Jun 2027

Total Project Cost

Jul-Dec 2027

EPA Funds

Jul-Dec 2027
Recipient Cost Share

Jul-Dec 2027
Total Project Cost

Table 11b. Project Updates - Narrative Responses

Activities

Anticipated Outputs

Anticipated Outcomes

Progress to Date:

Jan-Jun 2027
(select from dropdown)

Progress to Date:

Jul-Dec 2027
(select from dropdown)

Progress Notes

Describe

Table 11c. Programmatic and Narrative Updates

Jan-Jun 2027 Update

Jul-Dec 2027 Update

Tab 12. Year 4

Table 12a. Year 4 Annual Rate of Expenditure

Line Item Description

Jan-Jun 2028

EPA Funds

Jan-Jun 2028

Recipient Cost Share

Jan-Jun 2028

Total Project Cost

Jul-Dec 2028

EPA Funds

Jul-Dec 2028

Recipient Cost Share

Jul-Dec 2028

Total Project Cost

Table 12b. Project Updates - Narrative Responses

Activities

Anticipated Outputs

Anticipated Outcomes

Progress to Date:

Jan-Jun 2028
(select from dropdown)

Progress to Date:

Jul-Dec 2028
(select from dropdown)

Progress Notes

Describe

Table 12c. Programmatic and Narrative Updates

Jan-Jun 2028 Update

Jul-Dec 2028 Update

Tab 13. Workplan Commitments

Table 13a. Project Community Engagement

All fields

Table 13b. Project Sustainability

All fields

Table 13c. Job Quality/Workforce Development

All fields

Table 13d. Resiliency

All fields

Table 13e. Leveraging of Additional External Funds (part 1)

All fields

Table 13f. Other

All fields

Tab 14. Additional External Funds

Table 14a. Leveraging Additional External Funds (part 2)

Source Name

Amount (\$)

Status

Reporting Period Awarded

Tab 15. New Fleet Description

Table 15. New Vehicle, Equipment, or Engine Information

Table 15a: Vehicle/Equipment Overview

Vehicle or Equipment Type
(select from dropdown)

Vehicle or Equipment Subtype
(select option from dropdown that best matches vehicle or equipment; must select 'Vehicle or Equipment Type' first)

If 'Other/Not Listed' Subtype selected, please describe
(onroad, cargo handling equipment, and vessels only)

Technology Type
(select from dropdown; note that new powertrain is not available for onroad sector)

If 'Other' selected for Technology Type, please describe

Fleet Owner

Subawardee (if part of subaward)

Table 15b: Place(s) of Performance

Primary Place of Performance

Vehicle or Equipment Operates in Multiple Performance Locations Within this project?
(select Yes/No from dropdown)

Primary Port or Port Facility
(select from dropdown based on Table 3a of this template)

If Primary location of vehicle/equipment is not at a port or port facility listed in Table 3a, provide the Name of the Additional Project Location as listed in Table 3b
(select from dropdown based on Table 3b of this template)

Project Site ID

State

County

Percentage of Equipment Operation within the Primary County and/or port location
(% of time for nonroad equipment & % of miles driven for onroad equipment; enter a value between 0-100%.)

City

FIPS Code

Secondary Place of Performance (if applicable)

Secondary Port or Port Facility
(select from dropdown if vehicle or equipment serves more than one location)

If Secondary location of vehicle/equipment is not at a port or port facility, provide the Name of the Additional Project Location
(select from dropdown)

Secondary Location Project Site ID

Secondary Location State

Secondary Location County

Percentage of Equipment Operation within Secondary County and/or port location

Secondary Location City

Secondary Location FIPS Code

Additional Location Details (if applicable)

Additional Counties where Vehicle Operates

Percentage of Equipment Operation in Each Additional County
(% of time for nonroad equipment & % of miles driven for onroad -- Format multiple responses as [number]% in [county, state abbreviation], and use a semicolon if listing multiple counties)

Table 15c: Details of New Vehicle, Vessel, and/or Equipment

Vehicle or Equipment Manufacturer

Vehicle or Equipment Model

Vehicle or Equipment Model Year

Vehicle Class
(select from dropdown; onroad vehicles only)

Vehicle GVWR
(onroad vehicles only)

Powertrain Family Name

Vehicle, Equipment, or Vessel Hull Identification Number

Acquisition Cost per Vehicle or Equipment
(\$ of Cost per Unit)

Total EPA Funds Expended Per Vehicle or Equipment Acquisition
(\$ of Total Cost per Unit)

Table 15d. Powertrain Replacement Details (only to be completed if 'Technology Type' selected is "New")

New Powertrain Make and/or Manufacturer

New Powertrain Model

New Powertrain Model Year

New Powertrain Horsepower

New Powertrain Family Name
New Powertrain Serial Number
Number of New Propulsion Units
(vessels only)
Number of New Auxiliary Units
(vessels only)
Total Acquisition Cost per New Powertrain
(\$ of Cost per Unit)
EPA Funds Expended for New Powertrain Acquisition
(\$ of Cost per Unit)
Total Funds Expended for Labor related to Powertrain Replacement
EPA Funds Expended for Labor related to Powertrain Replacement
Total Combined Costs for New Engine Acquisition and Labor related to Powertrain Replacement
Total EPA Funds Expended for New Engine Acquisition and Labor related to Powertrain Replacement

Table 15e. Details for Battery Electric Vehicles or Equipment

Manufacturer of Battery Pack
Number of Battery Packs
Battery Capacity per Battery Pack (kWh)
Vehicle or Equipment Total Battery Capacity, (kWh)
Rated Charging Power (kW)
Battery Chemistry
(select from dropdown)
Battery Chemistry: If Other selected for 'Battery Chemistry', describe
Vehicle or Equipment Capable of Bidirectional Charging?
(select Yes/No/NA from dropdown)
Estimated Range in Miles
(for Onroad Battery Electric only)
Estimated Range in Hours (for Nonroad Battery Electric only)

Table 15f. Battery Warranty

Is the Battery Warranty Included?
(select Yes/No from dropdown)
Battery Warranty: Number of Years
Battery Warranty: Number of Miles
Battery Warranty: Total MWh of Energy discharge over Warranty Period

Table 15g. Powertrain Warranty

Powertrain Warranty Included?
(select Yes/No from dropdown)
Powertrain Warranty: Number of Years
Powertrain Warranty:
Number of Miles
Powertrain Warranty:
Number of Hours

Table 15h. Vehicle or Equipment Information - Hydrogen Fuel Cell

Manufacturer of Fuel Cell System (if known)
Fuel Cell Capacity (kW)
Hydrogen Fuel Tank Capacity (kg)

Table 15i. Emergency Power Systems

Vehicle or Equipment Equipped with Internal Combustion Engine (ICE) Emergency Power Unit?
(select Yes/No from dropdown)
ICE Emergency Power Type (if not applicable, then NA)

Table 15j. Vehicle or Equipment BABA Details

Is the Vehicle or Equipment BABA Compliant?
(select from dropdown)
If No, explain
Is a waiver being used to fulfill BABA compliance for the Vehicle or Equipment? (select from dropdown)
If Yes - Other, explain

Table 15k. Vehicle or Equipment Expected Useful Life

Date in Service for Vehicle or Equipment
(mm/dd/yyyy)
Expected Useful Life of Vehicle or Equipment: Number of Years
Basis for Expected Useful Life of Vehicle or Equipment (e.g., manufacturer data or evidence from prior deployments)

Table 15l. Performance Monitoring

Vehicle or Equipment Equipped with Telematics? (select Yes/No from dropdown)
If Yes, Name of the Telematics Service Provider

Table 15m. Year 1 Vehicle or Equipment Activity Data and Serving a Port Verification

Vehicle/Equipment Annual Hours of Operation

Share of Hours serving Ports included in Project
(for Locomotives, Harbor Craft, Cargo Handling Equipment, and other eligible Non-road Equipment;
enter value from 0% to 100%)

Vehicle Annual Miles Traveled
(miles per vehicle; onroad only)

Annual Number of Visits to Ports Included in this Project
(onroad, locomotive, and marine/ harbor vessels only)

Number of Days Operating at Ports included in Project
(locomotive only)

Type of Annual Values for Vehicle or Equipment Activity Data Reported in Table 15m (select from
dropdown)

Table 15n. Year 2 Vehicle or Equipment Activity Data and Serving a Port Verification

Vehicle/Equipment Annual Hours of Operation

Share of Hours serving Ports included in Project
(for Locomotives, Harbor Craft, Cargo Handling Equipment, and other eligible Non-road Equipment;
enter value from 0% to 100%)

Vehicle Annual Miles Traveled
(miles per vehicle; onroad only)

Annual Number of Visits to Ports Included in this Project
(onroad, locomotive, and marine/ harbor vessels only)

Number of Days Operating at Ports included in Project
(locomotive only)

Type of Annual Values for Vehicle or Equipment Activity Data Reported in Table 15n (select from
dropdown)

Table 15o. Year 3 Vehicle or Equipment Activity Data and Serving a Port Verification

Vehicle/Equipment Annual Hours of Operation

Share of Hours serving Ports included in Project
(for Locomotives, Harbor Craft, Cargo Handling Equipment, and other eligible Non-road Equipment;
enter value from 0% to 100%)

Vehicle Annual Miles Traveled
(miles per vehicle; onroad only)

Annual Number of Visits to Ports Included in this Project
(onroad, locomotive, and marine/ harbor vessels only)

Number of Days Operating at Ports included in Project
(locomotive only)

Type of Annual Values for Vehicle or Equipment Activity Data Reported in Table 15o (select from
dropdown)

Table 15p. Year 4 Vehicle or Equipment Activity Data and Serving a Port Verification

Vehicle/Equipment Annual Hours of Operation

Share of Hours serving Ports included in Project
(for Locomotives, Harbor Craft, Cargo Handling Equipment, and other eligible Non-road Equipment;
enter value from 0% to 100%)

Vehicle Annual Miles Traveled
(miles per vehicle; onroad only)

Annual Number of Visits to Ports Included in this Project
(onroad, locomotive, and marine/ harbor vessels only)

Number of Days Operating at Ports included in Project
(locomotive only)

Type of Annual Values for Vehicle or Equipment Activity Data Reported in Table 12p (select from
dropdown)

Tab 16. Scrappage Information

Table 16. Current Vehicle or Equipment Committed for Scrappage Information

Table 16a. Basic Fleet Information and Place(s) of Performance | Note: Yellow fields for the Basic Fleet

Does this scrapped vehicle or equipment correspond to any New Vehicle or Equipment from
'New Fleet Description' table?
(select yes or no from dropdown; if no, proceed to Column AA)

Corresponding New Vehicle, Equipment, or Engine Generally Operating in the Same Area
(select 'New Vehicle/Equipment' from 'New Fleet Description' table, provided in dropdown)

Affiliated Subawardee
(if part of subawardee; select subawardee from dropdown, based on entries into Table 2c)

Vehicle or Equipment Type

Vehicle or Equipment Subtype

If 'Other' Vocation selected, please describe

Technology Type

If 'Other' selected for Technology Type, please describe

Fleet Owner

Vehicle or Equipment Operates in Multiple Performance Locations Within this project? (Yes/No)

Primary Place of Performance

Primary Port or Port Facility

If Primary location of vehicle/equipment is not at a port or port facility listed in Table 3a, provide the Name of the Additional Project Location as listed in Table 3b

Project Site ID

State

County

Percentage of Time operated in County

City

FIPS Code

Secondary Place of Performance (if applicable)

Secondary Port or Port Facility

If Secondary location of vehicle/equipment is not at a port or port facility, provide the Name of the Additional Project Location

Project Site ID

State

County

Percentage of Time operated in County

(enter value 0-1, where 1= 100%)

City

FIPS Code

Additional Location Details (if applicable)

Additional Counties where Vehicle Operates

If this vehicle or equipment does not correspond to a 'New Vehicle/Equipment', provide the state in which this vehicle or equipment primarily operated in.
(Select from dropdown.)

If this vehicle or equipment does not correspond to a 'New Vehicle/Equipment', provide the county in which this vehicle or equipment primarily operated in.
(Select from dropdown.)

If this vehicle or equipment does not correspond to a 'New Vehicle/Equipment', provide the city in which this vehicle or equipment primarily operated in.

Vehicle or Equipment Type
(select from dropdown)

Vehicle or Equipment Subtype
(select option from dropdown that best matches vehicle or equipment; must select 'Vehicle or Equipment Type' first)

If 'Other/Not Listed' Subtype selected, please describe_2

Table 16b. Current Vehicle or Equipment Specifications

Current Vehicle Class

(select from dropdown; onroad vehicles only)

Current Vehicle GVWR

(onroad vehicles only)

Current Vehicle or Equipment Manufacturer

Current Vehicle or Equipment Model

Current Vehicle or Equipment Model Year

Current Fuel Type

(select from dropdown)

Current Powertrain Family Name

Current Vehicle or Equipment Identification Number

Method of Vehicle or Equipment Scrappage

(select from dropdown)

If Other Method of Vehicle or Equipment Scrappage, please describe

Table 16c. Current Engine Information (only to be completed for powertrain replacement projects)

Current Engine Serial Number(s)

Current Engine Make

Current Engine Model

Current Engine Model Year

Current Engine Tier

Current Engine Horsepower

Current Engine Cylinder Displacement

(select from dropdown; liters/cylinder; marine only)

Current Engine Number of Cylinders (# of cylinders per engine; marine only)

Current Engine Total Displacement (liters per engine; marine only)

Current Engine Family Name (if unregulated, then N/A)

Current Engine Fuel Type
(select from dropdown)

Total # of Propulsion Engines *(per vessel; marine only)*

Total # of Auxiliary Engines *(per vessel; marine only)*

Method of Powertrain Scrappage
(select from dropdown)

If Other Method of Powertrain Scrappage, please briefly describe the alternative scrappage plan for this powertrain

Table 16d. Current Annual Vehicle Activity Data & Estimated Remaining Life

Annual Amount of Fuel Used *(gallons/year per engine):*

Annual Usage Hours *(hours per year per engine; includes idling hours; nonroad, locomotive, and marine only)*

Annual Miles Traveled *(miles per vehicle; onroad only)*

Annual Idling Hours *(hours per engine; on-highway only)*

Annual Hoteling Hours *(hours per year per engine; class 8 long-haul combination only)*

Remaining Life of Current Engine/Vehicle *(years per engine; total # of years of engine life remaining at time of upgrade action):*

Type of Annual Values for Equipment/Vehicle Activity Data Reported in Table 13d (select from dropdown)

Tab 17. Infrastructure - EVSE

Table 17. Electric Vehicle/Vessel Supply Equipment (EVSE) & Other Electric Charging Equipment (not i

Table 17a. EVSE & Charger Overview

Subawardee (if part of subaward)

Type of Charger
(select from dropdown)

If 'Other' charger type selected, describe charger type

If Level 2, is it ENERGY STAR certified
(select from dropdown)

EVSE or other EV charger Manufacturer

EVSE or other EV charger Model

EVSE or other EV charger Manufacture Year

EVSE or Other EV Charger Maximum Output Power (kW)

Number of Plugs on EVSE or other EV charger

Is the EVSE or Other EV Charger Capable of Bidirectional Charging?
(select Yes/No from dropdown)

Will the Vehicle/Equipment and EVSE or Other EV Charger be Used for Vehicle to Grid (V2G)?
(select Yes/No from dropdown)

Number of EVSE or other EV Charger Units

Table 17b. Location of Charging Infrastructure

State
(select from dropdown)

County
(select from dropdown)

City

Zip Code

Street Address of Charger(s)

Who owns the charger?

Does the EVSE or Other EV Charger serve multiple port facilities?
(select Yes/No from dropdown)

Primary Port Served by EVSE and/or EV Charger (select from dropdown)

Secondary Locations served by EVSE and/or EV Charger (use semicolon to separate between multiple port locations)

Table 17c. Charging Management Service & Strategy Details

Does the EVSE use a charge management strategy? (select Yes/No from dropdown)

If Yes to previous field, please describe the charge management strategy(-ies) used.

Name of Charging Management Service Provider (NA if not applicable)

Does the Infrastructure Equipment Cost Include Charging Management Service?
(select Yes/No from dropdown)

If Charging Management Service not included in cost, but is acquired, what is the cost and frequency of charges?

Table 17d. Infrastructure Installation Information

Description of Installation Work, including all equipment installed

Installation Work Performed By

Was installation conducted by an individual who meets the infrastructure electrician requirements as outlined in the program guidance? If Yes, indicate who issued the certification

Date EVSE or Other EV Charger was Manufactured (mm/dd/yyyy)

Date of EVSE or Other EV Charger Installation
(mm/dd/yyyy)

Date EVSE or Other EV Charger Commissioned
(mm/dd/yyyy)

Table 17e. EVSE BABA Details

Is the EVSE and Other EV Infrastructure BABA Compliant?
(select from dropdown)

If No or Partly Compliant, explain

Is a waiver being used to fulfill BABA compliance for this infrastructure?
(select from dropdown)

If Yes - Other EPA Waiver, explain

Table 17f. EVSE Cost Summary

Does the Infrastructure Equipment Cost Include Installation?
(select Yes/No from dropdown)

EVSE or Other EV Charger Equipment Cost Per Unit

Total EPA Funds Expended Per EVSE or Other EV Charger Unit

Total Funds Expended for EVSE or Other EV Charger

Total EPA Funds Expended for EVSE or Other EV Charger

Total Funds Expended on Installation Cost

Total EPA Funds Expended on Installation Cost

Total Funds Expended for All other Eligible EVSE or Other EV Charger Related Expenses (e.g.,
Permits, Shipping, etc.)

Total EPA Funds Expended for All other Eligible EVSE or Other EV Charger Related Expenses (e.g.,
Permits, Shipping, etc.)

Description of Other Eligible EVSE or Other EV Charger Administrative Expenses

Total Funds Expended on EVSE or Other EV Charger Equipment, Installation, and Other Eligible
EVSE or Other EV Charger Related Expenses

Total EPA Funds on EVSE or Other EV Charger Equipment, Installation, and Other Eligible EVSE or
Other EV Charger Related Expenses

Table 17g. Expected Useful Life

Expected Useful Life of EVSE: Number of Years

If equipment covered under warranty, provide the years of protection offered by warranty

Basis for Expected Useful Life of EVSE (e.g., manufacturer data or evidence from prior
deployments)

Table 17h. Year 1 EVSE Activity Details

Annual Total Energy Dispensed (kWh)

Year 1

EVSE Annual Percentage Uptime (based on hours)

EVSE Total Annual Number of Charging Sessions Completed

Year 1

Has the EVSE infrastructure been EVER powered by an internal combustion generator in the past
year? (Yes or No)

Year 1

Type of Annual Values for EVSE Activity Data Reported in Table 17h (select from dropdown)

Year 1

Table 17i. Year 2 EVSE Activity Details

Annual Total Energy Dispensed (kWh)

Year 2

EVSE Annual Percentage Uptime (based on hours)

EVSE Total Annual Number of Charging Sessions Completed

Year 2

Has the EVSE infrastructure been EVER powered by an internal combustion generator in the past
year? (Yes or No)

Year 2

Type of Annual Values for EVSE Activity Data Reported in Table 17i (select from dropdown)

Year 2

Table 17j. Year 3 EVSE Activity Details

Annual Total Energy Dispensed (kWh)

Year 3

EVSE Annual Percentage Uptime (based on hours)

EVSE Total Annual Number of Charging Sessions Completed

Year 3

Has the EVSE infrastructure been EVER powered by an internal combustion generator in the past year? (Yes or No)

Year 3

Type of Annual Values for EVSE Activity Data Reported in Table 17j (select from dropdown)

Year 3

Table 17k. Year 4 EVSE Activity Details

Annual Total Energy Dispensed (kWh)

Year 4

EVSE Annual Percentage Uptime (based on hours)

Year 4 Total Annual Number of Charging Sessions Completed

Year 4

Has the EVSE infrastructure been EVER powered by an internal combustion generator in the past year? (Yes or No)

Year 4

Type of Annual Values for EVSE Activity Data Reported in Table 14k (select from dropdown)

Year 4

18. Infrastructure-Shore Power

Table 18a. Shore Power Equipment Information

Subawardee (if part of subaward)

Type of Shore Power Connection
(select from dropdown)

Total Voltage Service Provided
(select from dropdown)

Total Voltage Service Provided, if Not Listed

Manufacturer

Model

Number of Vessel Berths that can be served by Shore Power Pedestal

Number of Plugs per Shore Power Pedestal

Number of Shore Power Pedestals

Table 18b. Location of Shore Power Infrastructure

State
(select from dropdown)

County
(select from dropdown)

City

Zip Code

Port Facility where Shore Power Installed
(select from dropdown)

Who owns the Shore Power Infrastructure?

Table 18c. Shore Power Infrastructure Installation Information

Description of Installation Work, including all equipment installed

Installation Work Performed By

Date(s) Shore Power Equipment was Manufactured (mm/dd/yyyy)

Date of shore power Installation (mm/dd/yyyy)

Date of shore power Completely Operational (mm/dd/yyyy)

Table 18d. Shore Power BABA Details

Is the Shore Power Infrastructure BABA Compliant?
(select from dropdown)

If No or Partly Compliant, explain

Is a waiver being used to fulfill BABA compliance for this infrastructure?
(select from dropdown)

If Yes - Other EPA Waiver, explain

Table 18e. Shore Power Cost Summary

Equipment Cost only Per Shore Power Pedestal:

Total EPA Funds Expended Per Shore Power Pedestal

Does the Infrastructure Equipment Cost Include Installation?
(select Yes/No from dropdown)

Total Funds Expended Installation Cost for Shore Power Group

Total EPA Funds Expended Installation Cost for Shore Power Group

Total Funds Expended for All other Eligible Shore Power Acquisition & Installation Related Expenses (e.g., Permits, Shipping, etc.)

Total EPA Funds Expended for All other Eligible Shore Power Acquisition & Installation Related Expenses (e.g., Permits, Shipping, etc.)

Description of Other Eligible Shore Power Related Expenses

Total Funds Expended for Shore Power Equipment Acquisition
(total # of pedestals x Funds Expended/pedestal)

Total EPA Funds Expended for Shore Power Equipment Acquisition
(total # of pedestals x EPA Funds Expended/pedestal)

Total Funds Expended for Shore Power Equipment Acquisition, Installation, and Other Costs

Total EPA Funds Expended for Shore Power Equipment Acquisition & Installation, and Other Costs

EPA Cost Share Expended For Shore Power Equipment

EPA Cost Share for Shore Power Installation

Overall EPA Cost Share for Shore Power Equipment

Table 18f. Expected Useful Life and Warranty

Expected Useful Life of Shore Power Equipment: Number of Years

If equipment covered under warranty, provide the years of protection offered by warranty

Basis for Expected Useful Life of Shore Power Equipment (e.g., manufacturer data or evidence from prior deployments)

Table 18g. Year 1 Shore Power utilization

Typical Auxiliary Engine Tier of Vessels Using Shore Power
(select from dropdown)

Year 1

Fuel Type of Vessels Using Shore Power
(select from dropdown)

Year 1

If 'Other/Not Listed' Fuel Type of Vessels selected, describe fuel type used

Year 1

Number of Annual Vessel Calls Utilizing Shore Power

Year 1

Average Hotel Hours Per Vessel Call Utilizing Shore Power

Year 1

Maximum Output Power (kW)

Year 1

Annual Total Energy Dispensed in MWh

Year 1

Shore Power Annual Percentage Uptime
(based on hours)

Year 1

Type of Annual Values for Shore Power Activity Data Reported in Table 18g
(select from dropdown)

Year 1

Table 18h. Year 2 Shore Power utilization

Typical Auxiliary Engine Tier of Vessels Using Shore Power
(select from dropdown)

Year 2

Fuel Type of Vessels Using Shore Power
(select from dropdown)

Year 2

If 'Other/Not Listed' Fuel Type of Vessels selected, describe fuel type used

Year 2

Number of Annual Vessel Calls Utilizing Shore Power

Year 2

Average Hotel Hours Per Vessel Call Utilizing Shore Power

Year 2

Maximum Output Power (kW)

Year 2

Annual Total Energy Dispensed in MWh

Year 2

Shore Power Annual Percentage Uptime (based on hours)

Year 2

Type of Annual Values for Shore Power Activity Data Reported in Table 18h
(select from dropdown)

Year 2

Table 18i. Year 3 Shore Power utilization

Typical Auxiliary Engine Tier of Vessels Using Shore Power
(select from dropdown)

Year 3

Fuel Type of Vessels Using Shore Power
(select from dropdown)
Year 3

If 'Other/Not Listed' Fuel Type of Vessels selected, describe fuel type used
Year 3

Number of Annual Vessel Calls Utilizing Shore Power
Year 3

Average Hotel Hours Per Vessel Call Utilizing Shore Power
Year 3

Maximum Output Power (kW)
Year 3

Annual Total Energy Dispensed in MWh
Year 3

Shore Power Annual Percentage Uptime (based on hours)
Year 3

Type of Annual Values for Shore Power Activity Data Reported in Table 18i
(select from dropdown)
Year 3

Table 18j. Year 4 Shore Power utilization

Typical Auxiliary Engine Tier of Vessels Using Shore Power
(select from dropdown)
Year 4

Fuel Type of Vessels Using Shore Power
(select from dropdown)
Year 4

If 'Other/Not Listed' Fuel Type of Vessels selected, describe fuel type used
Year 4

Number of Annual Vessel Calls Utilizing Shore Power
Year 4

Average Hotel Hours Per Vessel Call Utilizing Shore Power
Year 4

Maximum Output Power (kW)
Year 4

Annual Total Energy Dispensed in MWh
Year 4

Shore Power Annual Percentage Uptime (based on hours)
Year 4

Type of Annual Values for Shore Power Activity Data Reported in Table 18j
(select from dropdown)
Year 4

Table 19. Infrastructure - Hydrogen

Table 19a. Hydrogen Fueling Station Information Overview

Subawardee (if part of subaward)

Type of Station
(Select from dropdown)

Type of Hydrogen Storage
(select from dropdown)

Refilling Pressure (select from dropdown)
Refilling Pressure: If Other, specify below

Total Hydrogen Storage Tank Capacity (kg)

Total Number of Dispensers

Maximum Dispensing Flow Rate per Hose (kg/min)

Total Dispensing Capacity of the Station (kg/day)

Total Number of Cooling Systems

Total Number of Compressors

Number of Storage Tanks

Table 19b. H2 Dispenser Pedestal Details

Number of Dispenser Pedestals

Number of Hoses per Pedestal

H2 Dispenser Pedestal Manufacturer

H2 Dispenser Pedestal Model

H2 Dispenser Pedestal Manufacture Year

Table 19c. H2 Storage Tank

H2 Compressor Manufacturer

H2 Compressor Model

H2 Compressor Manufacture Year

Table 19d. H2 Compressor
H2 Compressor Manufacturer
H2 Compressor Model
H2 Compressor Manufacture Year
Table 19e. H2 Cooling System (refrigeration and heat exchanger)
H2 Cooling System Manufacturer
H2 Cooling System Model
H2 Cooling System Manufacture Year
Table 19f. Service Details
Does the H2 fueling station serve multiple port facilities within this project? (select Yes/No from dropdown)
Primary Location Served by the H2 fueling station: Associated Port Facility (select from dropdown)
Secondary Locations served by the H2 fueling station: Associated Port (use a semicolon between facilities)
Who owns the H2 Fueling Station?
Table 19g. Location of H2 Station
State (select from dropdown)
County (select from dropdown)
City
Zip Code
Street Address
Table 19h. Installation Details
Description of H2 Fueling Station Installation Work Performed
H2 Fueling Station Installation Performed by:
Date(s) of H2 Fueling Station & Equipment was Manufactured
Date of H2 Fueling Station Installation (mm/dd/yyyy)
Date H2 Fueling Station Operational (mm/dd/yyyy)
Table 19i. BABA Compliance
Is the Hydrogen Fueling Infrastructure BABA Compliant? (select from dropdown)
If No or Partly Compliant, explain
Is a waiver being used to fulfill BABA compliance for the H2 Fueling Infrastructure? (select from dropdown)
If Yes - Other EPA Waiver, explain
Table 19j. Funding Details
Total Funds Expended Per H2 Fueling Pedestal / Dispenser Acquisition:
Total EPA Funds Expended Per H2 Fueling Pedestal / Dispenser Acquisition:
Total Funds Expended per H2 Fueling Storage Tank
Total EPA Funds Expended per H2 Fueling Storage Tank
Total Funds Expended per H2 Fueling Compressor / Pump
Total EPA Funds Expended per H2 Fueling Compressor / Pump
Total Funds Expended per H2 Fueling Cooling (refrigeration and heat exchangers) System
Total EPA Funds Expended per H2 Fueling Cooling (refrigeration and heat exchangers) System
Total Funds Expended for Remaining H2 Fueling Balance of Plant (incl. electrical, controls, and other components):
Total EPA Funds Expended for Remaining H2 Fueling Balance of Plant (incl. electrical, controls, and other components):
Description of H2 Fueling Component Costs for Remaining Balance of Plant (i.e. Describe the components with costs included as remaining balance of plant)
Total Funds Expended Per Additional H2 Supporting Infrastructure
Total EPA Funds Expended Per Additional H2 Supporting Infrastructure
Total Funds Expended Installation Cost
Total EPA Funds Expended Installation Cost:
Total Funds Expended for All other Eligible H2 Fueling Infrastructure Acquisition & Installation Related Expenses (e.g., Permits, Shipping, etc.)
Total EPA Funds Expended for All other Eligible H2 Fueling Infrastructure Acquisition & Installation Related Expenses (e.g., Permits, Shipping, etc.)
Description of Other Eligible H2 Fueling Related Expenses
Total Funds Expended for H2 Infrastructure Acquisition, Installation, and Other Eligible Expenses (total # of pedestals x Total Funds Expended/pedestal + supporting infrastructure + installation + other eligible expenses)

Total Funds Expended for H2 Infrastructure Acquisition, Installation, and Other Eligible Expenses
(total # of pedestals x Total Funds Expended/pedestal + supporting infrastructure + installation + other eligible expenses)

Total EPA Funds Expended for H2 Infrastructure Acquisition, Installation, and Other Eligible Expenses
(total # of pedestals x Federal Funds Expended/pedestal + supporting infrastructure installation + other eligible expenses)

Table 19k. Expected Useful Life

Expected Useful Life of Hydrogen Fueling Station: Number of Years

If equipment covered under warranty, provide the years of protection offered by warranty:
Number of Years

Basis for Expected Useful Life of Hydrogen Fueling Station (e.g., manufacturer data or evidence from prior deployments)

Table 19l. Year 1 H2 Station Utilization

Annual Total Number of Fueling Events

Year 1

Annual Total H2 Dispensed (kg)

Year 1

Type of Annual Values for H2 Fueling Station Activity Data Reported in Table 19l (select from dropdown)

Year 1

Table 19m. Year 1 H2 Station Utilization

Annual Total Number of Fueling Events

Year 2

Annual Total H2 Dispensed (kg)

Year 2

Type of Annual Values for H2 Fueling Station Activity Data Reported in Table 19k (select from dropdown)

Year 2

Table 19n. Year 1 H2 Station Utilization

Annual Total Number of Fueling Events

Year 3

Annual Total H2 Dispensed (kg)

Year 3

Type of Annual Values for H2 Fueling Station Activity Data Reported in Table 19n (select from dropdown)

Year 3

Table 19o. Year 1 H2 Station Utilization

Annual Total Number of Fueling Events

Year 4

Annual Total H2 Dispensed (kg)

Year 4

Type of Annual Values for H2 Fueling Station Activity Data Reported in Table 19o (select from dropdown)

Year 4

Tab 20. Infrastructure - Power Gen

Table 20a. On-Site Power Generation Equipment Information

Subwardee

Type of energy generation
(select from dropdown)

Manufacturer of On-site Power Generation

Model of On-site Power Generation

Manufacture Year of On-site Power Generation

Generation Capacity of the system (please indicate unit, kW or MW)

Table 20b. On-Site Power Generation Location Details

State

(select from dropdown)

County

(select from dropdown)

City

Zip Code

Street Address

Who owns the equipment?

Does the On-Site Power Generation serve multiple port facilities?

(select Yes/No from dropdown)

Primary Location Served by On-site Power generation: Associated Ports

(select from dropdown)

Secondary Locations served by On-site power generation: Associated Ports (use a colon between facilities)

Table 20c. On-Site Power Generation Installation Details

Description of Installation Work Performed
Installation of Power Generation Infrastructure Performed by
Date(s) On-Site Power Generation Equipment was Manufactured
Completion Date of the On-site Power Generation Installation (mm/dd/yyyy)
Date of the On-site Power Generation Operational (mm/dd/yyyy)

Table 20d. BABA Compliance

Is the On-site Power Generation Infrastructure BABA Compliant?
(select from dropdown)
If No or Partly Compliant, explain
Is a waiver being used to fulfill BABA compliance for the On-site Power Generation?
(select from dropdown)
If Yes - Other EPA Waiver, explain

Table 20e. On-Site Power Generation Cost Summary

Equipment Cost *only* Per Power Generation System
Total EPA Funds Expended Per Power Generation System
Total Funds Expended Installation Cost
Total EPA Funds Expended Installation Cost
Total Funds Expended for All other Eligible On-Site Power Generation Related Expenses (e.g., Permits, Shipping, etc.)
Description of Other Eligible On-Site Power Generation Related Expenses
Total Funds Expended on On-site Power Generation Equipment, Installation, and other Eligible Expenses
Total EPA Funds Expended on On-site Power Generation Equipment, Installation, and other Eligible Expenses

Table 20f. Expected Useful Life

Expected Useful Life of On-site Power Generation Equipment: Number of Years
If equipment covered under warranty, provide the years of protection offered by warranty
Basis for Expected Useful Life of On-site Power Generation Equipment (e.g., manufacturer data or evidence from prior deployments)

Table 20g. Year 1 On-site Power Generation Activity Data

On-Site Power Generation Annual Energy Dispensed (MWh)
On-Site Power Generation Annual Percentage Uptime (based on hours)
Type of Annual Values for On-Site Power Generation Activity Data Reported in Table 20g (select from dropdown)

Table 20h. Year 2 On-site Power Generation Activity Data

On-Site Power Generation Annual Energy Dispensed (MWh)
On-Site Power Generation Annual Percentage Uptime (based on hours)
Type of Annual Values for On-Site Power Generation Activity Data Reported in Table 20h (select from dropdown)

Table 20i. Year 3 On-site Power Generation Activity Data

On-Site Power Generation Annual Energy Dispensed (MWh)
On-Site Power Generation Annual Percentage Uptime (based on hours)
Type of Annual Values for On-Site Power Generation Activity Data Reported in Table 20i (select from dropdown)

Table 20j. Year 4 On-site Power Generation Activity Data

On-Site Power Generation Annual Energy Dispensed (MWh)
On-Site Power Generation Annual Percentage Uptime (based on hours)
Type of Annual Values for On-Site Power Generation Activity Data Reported in Table 20j (select from dropdown)

Tab 21. Infrastructure - BESS

Table 21a. BESS Equipment Overview

Subawardee
Manufacturer of BESS
Model of BESS
Manufacture Year of BESS
Number of Units
Total Energy Capacity (*please indicate unit; kWh or MWh*)
Maximum Continuous Discharge AC Power (kW)
Maximum Continuous Discharge DC Power (kW)
Battery Chemistry
(select from dropdown)
If 'Other' selected for Battery Chemistry, describe

Is the Battery Warranty Included?
(select Yes/No from dropdown)

Battery Warranty: Number of Years

Battery Warranty: Total Discharged Energy (please indicate unit; kWh or MWh)

Energy Retention at the End of Warranty Period (%)

Table 21b. Location of BESS Infrastructure

State

(select from dropdown)

County

(select from dropdown)

City

Zip Code

Street Address

Who owns the equipment?

Does the BESS serve multiple port facilities?

(select Yes/No from dropdown)

Primary Location Served by BESS: Associated Port

(select from dropdown)

Secondary Locations served by BESS: Associated Port(s) (use a colon between facilities)

Table 21c. BESS Installation Details

Description of Installation Work Performed

BESS Installation Performed by

Date(s) BESS and related Equipment was Manufactured

Completion Date of the BESS Installation (mm/dd/yyyy)

Date BESS Operational (mm/dd/yyyy)

Table 21d. BABA Compliance

Is the BESS Infrastructure BABA Compliant?

(select from dropdown)

If No or Partly Compliant, explain

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

(select from dropdown)

If Yes - Other EPA Waiver, explain

Table 21e. BESS Cost Summary

Total Equipment Cost Expended Per Unit Acquisition

Total EPA Funds Expended Per Unit Acquisition

Total Cost Expended for BESS Acquisition

Total EPA Funds Expended for BESS Acquisition

Total Funds Expended Installation Cost

Total EPA Funds Expended Installation Cost:

Total Funds Expended for All other Eligible BESS Related Expenses (e.g., Permits, Shipping, etc.)

Total EPA Funds Expended for All other Eligible BESS Related Expenses (e.g., Permits, Shipping, etc.)

Description of Other Eligible BESS Related Expenses

Total Funds Expended on BESS Equipment, Installation, and Other Eligible Expenses

Total EPA Funds Expended BESS Equipment, Installation, and Other Eligible Expenses

Table 21f. Expected Useful Life

Expected Useful Life of BESS: Number of Years

Basis for Expected Useful Life of BESS (e.g., manufacturer data or evidence from prior deployments)

Table 21g. Year 1 BESS Activity Data

BESS Annual Energy Dispensed/Discharged (MWh)

BESS Annual Energy Received/Charged from Grid (MWh)

BESS Annual Percentage Uptime (based on hours)

Has the BESS infrastructure been EVER charged by an internal combustion generator in the past year? (Yes or No)

Type of Annual Values for BESS Activity Data Reported in Table 21g (select from dropdown)

Table 21h. Year 2 BESS Activity Data

BESS Annual Energy Dispensed/Discharged (MWh)

BESS Annual Energy Received/Charged from Grid (MWh)

BESS Annual Percentage Uptime (based on hours)

Has the BESS infrastructure been EVER charged by an internal combustion generator in the past year? (Yes or No)

Type of Annual Values for BESS Activity Data Reported in Table 21g (select from dropdown)

Table 21i. Year 3 BESS Activity Data

BESS Annual Energy Dispensed/Discharged (MWh)

BESS Annual Energy Received/Charged from Grid (MWh)

BESS Annual Percentage Uptime (based on hours)

Has the BESS infrastructure been EVER charged by an internal combustion generator in the past year? (Yes or No)

Type of Annual Values for BESS Activity Data Reported in Table 21g (select from dropdown)

Table 21j. Year 4 BESS Activity Data

BESS Annual Energy Dispensed/Discharged (MWh)

BESS Annual Energy Received/Charged from Grid (MWh)

BESS Annual Percentage Uptime (based on hours)

Has the BESS infrastructure been EVER charged by an internal combustion generator in the past year? (Yes or No)

Type of Annual Values for BESS Activity Data Reported in Table 21g (select from dropdown)

Tab 22. Infrastructure - Other

Are there any other infrastructure projects associated with this grant that are not listed on the previous sheets? (Yes/No)
If no, please leave this section blank. If yes, please provide details in the box below to the right on the infrastructure project and describe how BABA compliance was determined.

Tab 23. Final Report

Table 23a. Project Updates - Narrative Responses

Activities

Anticipated Outputs

Anticipated Outcomes

Actual Results

Table 23b. Project Updates - Programmatic and Narrative Financial Results of Project

All fields

Table 23c. Project Updates - Subaward Reporting Requirements (if applicable)

All fields

U. S. Environmental Protection Agency

ts Program | Project Reporting Template Data Dictionary

Enter Name of Recipient Organization

Provide the street name and number of mailing address of Recipient Organization

Provide the city of mailing address of Recipient Organization

Provide the state of mailing address of Recipient Organization

Provide the Zip Code of mailing address of Recipient Organization

Provide the name of the Primary Contact for this award

Provide the title or role of the Primary Contact for this award

Provide the phone number of the Primary Contact for this award

Provide the email address of the Primary Contact for this award

Select from dropdown which of the following options best describes the Recipient: Port Authority; State Agency with jurisdiction over a port authority or port; Tribal agency with jurisdiction over a port authority or a port; Regional Agency with jurisdiction over a port authority or port; Local Agency with jurisdiction over a port authority or port; Air Pollution Control Agency; Eligible Private Entity

For Recipients that are not Port Authorities or which have affiliated port authorities, provide the name(s) of the port authorities

Enter the SAM.gov Unique Entity Identification Number for the Recipient

Enter the EPA grant ID number for this award

One descriptive sentence only

Enter the project period start date (M/D/Y)

Enter the project period end date (M/D/Y)

Briefly describe your project in one to three sentences only, especially noting the expected outputs and outcomes.

This value should be consistent with the amount included on the SF-424A in cell 5(e) under Section A – Budget Summary and SF-424 in Section 18.a.

This value should be consistent with the amount included on the SF-424A in cell 5(f) under Section A – Budget Summary and SF-424 in Section 18.b-e.

Autopopulates the sum of the EPA Funding Requested and Total Recipient Costs

This field will auto-populate upon completing 'New Fleet Description' tab.

This field will auto-populate upon completing 'Infrastructure' tabs.

These fields will auto-populate with X upon completing 'Onroad Vehicles' tab.

These fields will auto-populate with X upon completing 'Cargo Handling Equipment and Other Nonroad' tab.

These fields will auto-populate with X upon completing 'Locomotive and Rail' tab.

These fields will auto-populate with X upon completing 'Marine and Harbor Vessels' tab.

These fields will auto-populate with X upon completing 'Scrappage' tab.

These fields will auto-populate with X upon completing 'Electric Vehicle/Vessel Supply Equipment (EVSE) ' tab.

These fields will auto-populate with X upon completing 'Shore Power Infrastructure' tab.

These fields will auto-populate with X upon completing 'Hydrogen Fueling Infrastructure' tab.

These fields will auto-populate with X upon completing 'Solar and Wind Power Generation' tab.

These fields will auto-populate with X upon completing 'Battery Energy Storage System' tab.

These fields will auto-populate with X upon completing 'Other Infrastructure' tab.

Select Yes or No from dropdown

Select Yes or No from dropdown

Select Yes or No from dropdown

Select from the dropdown menu if you would like the EPA or its partners to contact you about participating in research opportunities related to providing vehicle/equipment and/or infrastructure activity data from equipment included in this grant

Provide the name(s) of the organizations working in partnership with the recipient on this project

Provide the name(s) of the primary contact at this partner organization

Provide the title or role of the primary contact at this partner organization

Provide the email address of the primary contact at this partner organization

Provide the phone number of the primary contact at this partner organization

Select from dropdown which of the following options best describes the partner organization(s): Port Authority; State Agency with jurisdiction over a port authority or port; Tribal agency with jurisdiction over a port authority or a port; Regional Agency with jurisdiction over a port authority or port; Local Agency with jurisdiction over a port authority or port; Air Pollution Control Agency; Eligible Private Entity; Other

Enter in a brief description of the type of organization

Select from dropdown: Statutory Partner or Collaborating Entity (non-statutory)

Enter in a brief description of the role this project partner is expected to have

Select from dropdown to indicate whether the partner organization is a subawardee.

Provide the name(s) of the organizations receiving subawards as part of this project

Enter a unique ID or number for each subawardee

Select from dropdown: Recipient of funds for ZE equipment deployment; Recipient of funds for ZE infrastructure deployment; Other

Enter in a brief description of the role this project partner is expected to have

Enter funding amount to subawardee

See supporting program documentation for more details

If a port or port facility spans more than one county, please enter a new line for each unique county.

Prepopulated; used for looking up tables in other tables

Enter in the Port Authority Name associated with this Port or Port Facility, if applicable.

Select the state abbreviation from the dropdown list provided

Select the county name from the dropdown list provided; note the dropdown menu will only work if the state field for that row is completed

Enter in the name of the city in which the Port/Port Facility is located

Provide a brief comment about which project activity or activities are expected to be completed at this site

For each project location, enter a value between 0-100% based on the percentage of the total grant activities taking place at that location. The sum of all the values in column H across both Table 5a on this sheet and Table 6a on the next sheet should equal 100%.

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Autopopulates

ide of the ports and port facilities listed in Table 3a above.

If an Additional Site spans more than one county, please enter a new line for each unique county.

Prepopulated; used for looking up tables in other tables

Separate additional ports by semicolon

Select the state abbreviation from the dropdown list provided

Select the county name from the dropdown list provided; note the dropdown menu will only work if the state field for that row is completed

Enter in the name of the city in which the Additional Project Location is located

Provide a brief comment about which project activity or activities are expected to be completed at this site

For each project location, enter a value between 0-100% based on the percentage of the total grant activities taking place at that location. The sum of all the values in column H across both Table 5a on the previous sheet and Table 6a on this sheet should equal 100%.

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Use the dropdown options to select "Yes" or "No". Select yes if, in each year of the project period of performance, there were any changes to planning activities, vehicles or equipment numbers, numbers of infrastructure items, and/or funding amounts.

No action - autopopulated from Table 4b
No action - autopopulated from Table 4b

Select the update year for the post-award amendment or modification

Use the dropdown options to select "Formal Amendment" or "Project Officer Notification/Informal Modification" to describe the change to be recorded.

Use the dropdown menu to select from one of the following options to best describe the award or modification to be recorded: "Changes to Zero Emission Fueling and/or Charging Infrastructure Deployment", "Changes to Zero Emission Vehicle or Equipment Deployment", or "Changes to Other Planned Activities"

In a few phrases, briefly describe the scope of the amendment or modification. Note: specific equipment name or quantity changes and corresponding budget changes may be recorded in the subsequent fields in the table (e.g., columns F-K)

Describe the vehicle or equipment type for the original activity

Describe the vehicle or equipment type for the updated activity

Enter the quantity of vehicles or equipment types for the original activity

Enter the quantity of vehicles or equipment types for the updated activity

Enter the funding request amount for the original activity

Enter the funding request amount for the updated activity

No action - autopopulated

Select the corresponding port or associated site. Selection list auto-populates from sheet 3a. Port Facility Locations, Table 3a: Port/Port Facility Location(s)

Enter the affected subawardee details, if applicable

This value should be consistent with the amount included on the SF-424A in cell 5(e) under Section A – Budget Summary and SF-424 in Section 18.a.

This value should be consistent with the amount included on the SF-424A in cell 5(f) under Section A – Budget Summary and SF-424 in Section 18.b-e.

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Autopopulates

Autopopulates from completion of respective Year reporting tab

Add a plain language description of the expense category

Record project expenses during the given time period; EPA Funds

Record project expenses during the given time period; Recipient Cost Share

Autopopulates

Record project expenses during the given time period; EPA Funds

Record project expenses during the given time period; Recipient Cost Share

Autopopulates

Paste the planned activities from the submitted workplan information

Paste the anticipated outputs from the submitted workplan information

Paste the anticipated outcomes from the submitted workplan information

Select the status of progress for the planned activity during the given time period

Select the status of progress for the planned activity during the given time period

Detail any relevant detail for the activity. Include details if any changes have occurred to the activities, outputs, or outcomes

Please provide programmatic and narrative updates on the project during the given time period

Please provide programmatic and narrative updates on the project during the given time period

Add a plain language description of the expense category

Record project expenses during the given time period; EPA Funds

Record project expenses during the given time period; Recipient Cost Share

Autopopulates

Record project expenses during the given time period; EPA Funds

Record project expenses during the given time period; Recipient Cost Share

Autopopulates

Paste the planned activities from the submitted workplan information

Paste the anticipated outputs from the submitted workplan information

Paste the anticipated outcomes from the submitted workplan information

Select the status of progress for the planned activity during the given time period

Select the status of progress for the planned activity during the given time period

Detail any relevant detail for the activity. Include details if any changes have occurred to the activities, outputs, or outcomes

Please provide programmatic and narrative updates on the project during the given time period

Please provide programmatic and narrative updates on the project during the given time period

Add a plain language description of the expense category

Record project expenses during the given time period; EPA Funds

Record project expenses during the given time period; Recipient Cost Share

Autopopulates

Record project expenses during the given time period; EPA Funds

Record project expenses during the given time period; Recipient Cost Share

Autopopulates

Paste the planned activities from the submitted workplan information
Paste the anticipated outputs from the submitted workplan information
Paste the anticipated outcomes from the submitted workplan information

Select the status of progress for the planned activity during the given time period

Select the status of progress for the planned activity during the given time period

Detail any relevant detail for the activity. Include details if any changes have occurred to the activities, outputs, or outcomes

Please provide programmatic and narrative updates on the project during the given time period
Please provide programmatic and narrative updates on the project during the given time period

Add a plain language description of the expense category

Record project expenses during the given time period; EPA Funds

Record project expenses during the given time period; Recipient Cost Share

Autopopulates

Record project expenses during the given time period; EPA Funds

Record project expenses during the given time period; Recipient Cost Share

Autopopulates

Paste the planned activities from the submitted workplan information
Paste the anticipated outputs from the submitted workplan information
Paste the anticipated outcomes from the submitted workplan information

Select the status of progress for the planned activity during the given time period

Select the status of progress for the planned activity during the given time period

Detail any relevant detail for the activity. Include details if any changes have occurred to the activities, outputs, or outcomes

Please provide programmatic and narrative updates on the project during the given time period
Please provide programmatic and narrative updates on the project during the given time period

Please provide programmatic and narrative updates on the project (open response)

Please provide programmatic and narrative updates on the project (open response)

Please provide programmatic and narrative updates on the project (open response)

Please provide programmatic and narrative updates on the project (open response)

Please provide programmatic and narrative financial results on the project (open response)

Please provide programmatic and narrative updates on the project (open response)

Provide the name(s) of additional funding sources, spelling out all acronyms.

Provide the amount \$(a) of additional funding amounts

Select the status of the funding from the dropdown menu options provided: Not Yet Started; In Progress; Awarded; Not Awarded.

For funding sources that were successfully awarded, select the project period for this project in which the external funding was awarded.

Using the dropdown menu, select the equipment type sector from the following options: Onroad, Locomotive, Vessel, and Cargo_Handling_Equipment_and_Other_Nonroad

Using the dropdown menu, select the option that best matches the vehicle or equipment

Describe the vehicle or equipment subtype, if not provided in previous field

Using the dropdown menu, select the technology type that best matches the vehicle or equipment

Describe the technology type, if not provided in previous field

List the name and/or organization that owns the new vehicle or equipment

List the subawardee, if part of a subaward, for the new vehicle or equipment. Populate tab 2c. Subawardees first.

Select yes if the vehicle or equipment operates in multiple performance locations within this project

Select the primary port affected by each vehicle or equipment's operation from the dropdown menu, which will be populated with fields from the Cover Sheet (Tab 2, Table 3a.)

If the primary location of the vehicle or equipment's operation is not at a port, provide the primary site affected by each vehicle from the dropdown menu, which will be populated with fields from the Cover Sheet (Tab 2, Table 3b.)

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

Enter the percentage of the time the vehicle or equipment will operate at the site listed by entering a value from 0 to 1, where 1 = 100%. Note, entry should be the for percent of time for nonroad equipment and the percent of miles driven for onroad equipment.

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

If there is a secondary place of performance that's also a port where this vehicle or equipment is expected to operate, select the port from the list of options on the dropdown menu, which will be populated with fields from the Cover Sheet (Tab 2, Table 3a).

If there is a secondary place of performance that's also not a port where this vehicle or equipment is expected to operate, select the additional location of operation from the list of options on the dropdown menu, which will be populated with fields from the Cover Sheet (Tab 2, Table 3b).

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

Enter the percentage of the time the vehicle or equipment will operate at the site listed by entering a value from 0 to 1, where 1 = 100%.

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

No action needed; this field will auto-populate based on the response to the prior fields using the information entered into the Cover Sheet

List the names of the additional counties where the vehicle operates; separate multiple counties using a semicolon

List the relative share of time each vehicle or equipment operates in the additional counties listed in the field before.

Example of desired formatting for multiple additional locations:

12% in County1, CA; 5% in County2, CA; 1% in County3, CA

Enter the manufacturer of the New Vehicle

Enter the model of the New vehicle

Enter the model year of the new vehicle or equipment

Select from the dropdown menu the Vehicle/Equipment Class for onroad vehicles, as appropriate.

Enter the vehicle's gross vehicle weight rating (only required for Onroad Vehicles)

Enter the powertrain family name for the new vehicle or equipment

Enter the unique identifier for the vehicles; where applicable, provide a Vehicle Identification Number (VIN), or similar unique vehicle or equipment identifier

Enter the total cost expended for acquiring this vehicle or equipment

Enter the total EPA funds from this grant expended for acquiring this vehicle or equipment

Powertrain"; otherwise proceed to Table 15e.)

Enter the manufacturer of the existing Engine.

Enter the model of the existing Engine.

Enter the model year of this engine set.

Enter the average horsepower of the engine/equipment.

Enter the Engine Family name of the existing Engine. NOTE: unregulated engines will not have an Engine Family Name, and can be listed as 'N/A'

Enter the engine Serial # for each vehicle or engine to be scrapped/replaced.

Enter the total number of propulsion engines on the vessel.

Enter the total number of auxiliary engines on the vessel.

Enter the total cost expended for acquiring each engine

Enter the total EPA funds from this grant expended for acquiring each engine

Enter the total cost expended on labor related to this engine installation and/or repower

Enter the total EPA funds from this grant expended on labor related to this engine installation and/or repower

No action needed; this field will automatically sum the previously listed acquisition and labor costs listed previously

No action needed; this field will automatically sum the previously listed acquisition and labor costs listed previously

Name of the Battery Manufacturer

Number of battery packs on the vehicle. If not known, enter 1

Listed battery capacity per battery pack; if only entire capacity known, enter that value here, and 1 as the battery pack.

No action needed: This field multiplies the number of battery packs by the capacity per battery pack

Enter the rated charging power in kW

Select the chemistry of the installed primary battery for the vehicle or equipment

Enter the chemistry of the installed primary battery, if not provided in the prior field

Provide information about if the vehicle or equipment is capable of bidirectional charging, by selecting, yes, no, or non applicable, if new vehicle/vessel is not a battery electric.

For onroad battery electric vehicles only, enter in the estimated range in miles

For non-road battery electric equipment only, enter the estimated number of hours of operation

Using the dropdown menu, select yes or no if a battery warranty is included.

If the battery includes a warranty, indicate the number of years the coverage is valid for

For onroad battery electric vehicle only - If the battery includes a warranty, indicate the number of miles the coverage is valid for

If the battery includes a warranty, indicate the total amount of discharged energy (MWh) the coverage is valid for. 1 MWh = 1,000 kWh

Using the dropdown menu, select yes or no if a powertrain warranty is included.

If the powertrain includes a warranty, indicate the number of years the coverage is valid for

If the powertrain includes a warranty, indicate the number of miles the coverage is valid for (on-road)

If the powertrain includes a warranty, indicate the number of hours of operation the coverage is valid for (non-road)

Name of the fuel cell system Manufacturer

Maximum output power of fuel cell system in kW

Capacity of the vehicle's hydrogen fuel tank in kg

Select yes or no reflecting the vehicle's capabilities

Describe the engine(s) and circumstances under which Emergency Power is used

Using the dropdown, select yes or no if the vehicle or equipment is BABA compliant

If the vehicle or equipment is not BABA compliant, provide an explanation

Using the dropdown, select yes or no if a waiver is being used to fulfil BABA compliance

If a waiver is being used that is not included in the prior field, describe the waiver

Enter the date that the vehicle or equipment was placed into service and/or commissioned

Enter the expected useful life of the vehicle or equipment in years

Describe the basis for the expected useful life entered in the prior field

Select yes or no reflecting the vehicle's capabilities

Provide the name of the telematics service provider in the space provided.

Enter the average number of hours the equipment operates per year per vehicle (only required for Nonroad equipment)

Enter the average number of vehicle miles traveled per year per vehicle (only required for Onroad vehicles)

Enter the annual number of visits to a port location included in this project, for onroad, locomotive, and marine vessels only.

Enter the number of days operating at a port location included in this project

Select a response from the dropdown that characterizes the previous responses in this table.
Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Enter the average number of hours the equipment operates per year per vehicle (only required for Nonroad equipment)

Enter the average number of vehicle miles traveled per year per vehicle (only required for Onroad vehicles)

Enter the annual number of visits to a port location included in this project, for onroad, locomotive, and marine vessels only.

Enter the number of days operating at a port location included in this project

Select a response from the dropdown that characterizes the previous responses in this table.
Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Enter the average number of hours the equipment operates per year per vehicle (only required for Nonroad equipment)

Enter the average number of vehicle miles traveled per year per vehicle (only required for Onroad vehicles)

Enter the annual number of visits to a port location included in this project, for onroad, locomotive, and marine vessels only.

Enter the number of days operating at a port location included in this project

Select a response from the dropdown that characterizes the previous responses in this table.
Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Enter the average number of hours the equipment operates per year per vehicle (only required for Nonroad equipment)

Enter the average number of vehicle miles traveled per year per vehicle (only required for Onroad vehicles)

Enter the annual number of visits to a port location included in this project, for onroad, locomotive, and marine vessels only.

Enter the number of days operating at a port location included in this project

Select a response from the dropdown that characterizes the previous responses in this table.
Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Information will Automatically Populate upon selecting the corresponding new equipment

Select the new vehicle, equipment, or engine from the list, that corresponds with the scrapped vehicle. The list is auto-populated from column A of the New Fleet Description sheet.

Enter subawardee details, if applicable to this vehicle or equipment

No action needed; this field autopopulates based on responses entered in Tab 11a, Table 23

No action needed; this field autopopulates based on responses entered in Tab 11a, Table 23

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Enter the state which the scrapped vehicle primarily operates.

Enter the county which the scrapped vehicle primarily operates.

Enter the City which the scrapped vehicle primarily operates.

Select a vehicle or equipment type from the dropdown

Select the vehicle or equipment subtype. The prior field must be populated first.

If the vehicle or equipment subtype is not listed, please describe with a text description.

Enter current vehicle's classification (only required for Onroad Vehicles)

Enter current vehicle's gross vehicle weight rating in lbs. (only required for Onroad Vehicles)

Enter the manufacturer of the existing vehicle or equipment

Enter the model of the existing vehicle or equipment

Enter the model year of the existing vehicle or equipment

Select the fuel type of the vehicle or equipment to be scrapped

Enter the name of the existing vehicle's or equipment's powertrain family

Enter the Serial number or VIN number for each engine or vehicle

Enter the method the vehicle was disposed of. See Program Guidance for eligible methods of disposal (e.g., scrappage)

If a preferred/eligible disposal (scrappage) method was not used, describe the EPA-approved alternative disposal method that was used

Enter the engine serial number

Enter the manufacturer of the existing Engine.

Enter the model of the existing Engine.

Enter the model year of this engine set.

Enter the engine tier using the dropdown menu

Enter the average horsepower of the engine/equipment. (1 hp = 1 kW / 1.341)

Use the dropdown menu to select the engine cylinder displacement

Enter the number of cylinders

Use the dropdown menu to select the engine cylinder displacement

Enter the engine family name

Use the dropdown menu to select the fuel type

Enter the number of propulsion engines

Enter the number of auxiliary engines

Select the method of scrappage from the dropdown menu

If the method of powertrain scrappage is not available in the prior field, describe the alternative scrappage plan.

Enter the amount of fuel used by current vehicle annually

Enter the amount of hours used by current vehicle annually; limited only to non-road (including cargo-handling equipment), locomotives, and marine vessels only.

Enter the amount of miles traveled by current vehicle annually; limited only to on-road vehicles

Enter the amount of idling hours used by current vehicle annually; limited only to on-road

Enter the amount of hoteling hours by current vehicle annually; limited only to Class 8 long-haul combination on-road trucks only

Enter the estimated number of years of remaining life of the vehicle or engine.

Select a response from the dropdown that characterizes the previous responses in this table.

Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Including vessel shore power for non-electric vessels)

List the subawardee, if part of a subaward, for the new vehicle or equipment. Populate tab 2c. Subawardees first.

Enter the type of charger, either Level 2 (AC charging up to 19.2 kW), DC Fast Charging, or Other (including non-standard or megawatt charging system).

Enter a brief description of the type of EVSE, if "Other" was selected in the prior field.

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/equipment and charging equipment will be used for vehicle-to-grid (V2G) services.

Enter the quantity of charging equipment unit

Select the two letter postal code for the state in which the charging equipment will be located.

Enter the county in which the charging equipment will be located.

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 port or organization that owns the charger equipment.

Select whether or not the charging equipment serve more than one port area within the project submitted in this award.

Enter the name of the port area in which the charging equipment will primarily serve.

Enter the name of the other port areas in which the charging equipment will serve. If it will serve multiple secondary port areas, list all and separate with a semicolon (e.g., Port of Galveston; Port of Corpus Christi).

Select yes if a charge management strategy is being used for this EVSE, or if this EVSE is a part of managed charging.

Describe the charge management strategies being used. Potential responses may include: Shared charger optimization (between multiple chargers); Scheduled charging / time of use; Reduced charging rates. Note if the charge management strategy involves a utility program.

Enter the name of the charging management service provider.

Select whether or not the equipment cost includes the cost of the charging management service.

If Charging Management Service not included in the grant cost, but is acquired, what is the cost and frequency of charges paid by the award recipient.

Describe the work done during installation, including all equipment that became part of the installed EVSE or other EV charging system. List the name of the company (or companies) performing the installation of the EVSE or other EV charging system.

Describe if the installation was conducted by an individual who meets the electrician requirements. If yes, list the certification(s)

Enter the date (or date range) the EVSE or other EV charging system was manufactured.

Enter the date (or date range) the charger system was installed.

Enter the date by which the charger system became fully operational.

Select from the dropdown menu which parts of the infrastructure project are BABA compliant.

For the previous column, explain which parts are not compliant or enter N/A.

Select from the dropdown menu how BABA requirements are being met for the infrastructure project.

If a waiver is being used that is not included in the prior field, describe the waiver

Select whether or not the equipment cost includes installation of the EVSE or other EV charger system.

Enter the equipment cost for each unit of the charging infrastructure system.

Enter the EPA funds expended for the equipment in each unit of the EVSE or other EV charging system.

No action - autopopulated

No action - autopopulated

Enter the total amount of funds expended for installation of all the units in the charging infrastructure system.

Enter the total amount of EPA funds expended for installation of all the units in the charging infrastructure system.

Enter the total amount of funds expended for all other eligible expenses related to the charging infrastructure project in this award, including permits, shipping, etc.

Enter the total amount of EPA funds expended for all other eligible expenses related to the charging infrastructure project in this award, including permits, shipping, etc.

Describe the items corresponding to the previous two columns.

No action - autopopulated

No action - autopopulated

Enter the expected useful life of the EVSE in years

Enter the warranty period in number of years

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy dispensed by this EVSE in kilowatt-hour

Enter the percentage uptime (availability) of this EVSE. i.e. percent of time that the charger is in service and available for use

Enter the total annual count of independent charging sessions supplied by this EVSE

Select a response from the dropdown

Select a response from the dropdown that characterizes the previous responses in this table.

Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Enter the annual total energy dispensed by this EVSE in kilowatt-hour

Enter the percentage uptime (availability) of this EVSE. i.e. percent of time that the charger is in service and available for use

Enter the total annual count of independent charging sessions supplied by this EVSE

Select a response from the dropdown

Select a response from the dropdown that characterizes the previous responses in this table.

Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Enter the annual total energy dispensed by this EVSE in kilowatt-hour

Enter the percentage uptime (availability) of this EVSE. i.e. percent of time that the charger is in service and available for use

Enter the total annual count of independent charging sessions supplied by this EVSE

Select a response from the dropdown

Select a response from the dropdown that characterizes the previous responses in this table.
Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Enter the annual total energy dispensed by this EVSE in kilowatthour

Enter the percentage uptime (availability) of this EVSE. i.e. percent of time that the charger is in service and available for use

Enter the total annual count of independent charging sessions supplied by this EVSE

Select a response from the dropdown

Select a response from the dropdown that characterizes the previous responses in this table.
Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

List the subawardee, if part of a subaward, for the new vehicle or equipment. Populate tab 2c. Subawardees first.

Select the type of shore power connection, either high-voltage (HVSC) or low-voltage (LVSC).

Select the total voltage provided from the dropdown menu, if listed.

Enter the total voltage service provided if the amount is not listed in the dropdown menu.

Enter the manufacturer of the shore power system.

Enter the model name of the shore power system.

Enter the number of vessel berths that can be served by the shore power system.

Enter the number of available plugs per shore power pedestal installed.

Enter the total number of shore power pedestals installed.

Select the two letter postal code for the state in which the charging equipment will be located.

Enter the county in which the charging equipment will be located.

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 name of the port facility in which the shore power infrastructure is installed.

Enter the name of the port or organization that owns the charging equipment.

Describe the work done during installation, including all equipment that became part of the installed shore power system.

List the name of the company (or companies) performing the installation of the shore power system.

Enter the date (or date range) the shore power system was manufactured.

Enter the date (or date range) the shore power system was installed.

Enter the date by which the shore power system became fully operational.

Select from the dropdown menu which parts of the shore power infrastructure project are BABA compliant.

For the previous column, explain which parts are not compliant or enter N/A.

Select from the dropdown menu how BABA requirements are being met for the shore power infrastructure project.

If a waiver is being used that is not included in the prior field, describe the waiver

Enter the equipment cost for each unit of the shore power infrastructure system.

Enter the EPA funds expended for the equipment in each shore power pedestal.

Select whether or not the equipment cost includes installation of the shore power equipment.

No action - autopopulated

No action - autopopulated

Enter the total amount of funds expended for acquisition and installation of all the units in the shore power system.

Enter the total amount of EPA funds expended for acquisition and installation of all the units in the shore power system.

Describe the items corresponding to the previous two columns.

No action - autopopulated

Enter the expected useful life of the shore power system in years

Enter the warranty period in number of years

Describe the basis for the expected useful life entered in the prior field

Select the typical engine tier of vessels using the shore power system.

Select the fuel type of vessels using the shore power system.

If the prior field was "Other/Not Listed," please describe the fuel type used

Enter the number of annual vessel calls utilizing shore power.

Enter the average hotel hours per vessel call utilizing shore power.

Enter the maximum power output of the shore power system, measured in kilowatts.

Enter the estimated total annual energy output of the shore power system in megawatt-hours.

Enter the percentage uptime (availability) of the shore power system. i.e. percent of time that the system is in service and available for use

Select a response from the dropdown that characterizes the previous responses in this table.

Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Select the typical engine tier of vessels using the shore power system.

Select the fuel type of vessels using the shore power system.

If the prior field was "Other/Not Listed," please describe the fuel type used

Enter the number of annual vessel calls utilizing shore power.

Enter the average hotel hours per vessel call utilizing shore power.

Enter the maximum power output of the shore power system, measured in kilowatts.

Enter the estimated total annual energy output of the shore power system in megawatt-hours.

Enter the percentage uptime (availability) of the shore power system. i.e. percent of time that the system is in service and available for use

Select a response from the dropdown that characterizes the previous responses in this table.

Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Select the typical engine tier of vessels using the shore power system.

Select the fuel type of vessels using the shore power system.

If the prior field was "Other/Not Listed," please describe the fuel type used

Enter the number of annual vessel calls utilizing shore power.

Enter the average hotel hours per vessel call utilizing shore power.

Enter the maximum power output of the shore power system, measured in kilowatts.

Enter the estimated total annual energy output of the shore power system in megawatt-hours.

Enter the percentage uptime (availability) of the shore power system. i.e. percent of time that the system is in service and available for use

Select a response from the dropdown that characterizes the previous responses in this table.
Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

Select the typical engine tier of vessels using the shore power system.

Select the fuel type of vessels using the shore power system.

If the prior field was "Other/Not Listed," please describe the fuel type used

Enter the number of annual vessel calls utilizing shore power.

Enter the average hotel hours per vessel call utilizing shore power.

Enter the maximum power output of the shore power system, measured in kilowatts.

Enter the estimated total annual energy output of the shore power system in megawatt-hours.

Enter the percentage uptime (availability) of the shore power system. i.e. percent of time that the system is in service and available for use

Select a response from the dropdown that characterizes the previous responses in this table.
Actual - responses represent complete data, i.e. from telematics or other method; **Estimated - no observed data** - responses are estimates in lieu of real-world data; **Estimated based on incomplete observed data** - responses are based on some combination of incomplete data, i.e. extrapolating incomplete telematics data to represent a full year of operation.

List the subawardee, if part of a subaward, for the new vehicle or equipment. Populate tab 2c. Subawardees first.

Select from the dropdown menu what type of hydrogen fueling station is installed under this project.

Select from the dropdown menu what type of hydrogen storage is installed under this project.

Select from the dropdown menu the refilling pressure level of supported by the hydrogen fueling equipment.

If you selected "Other" for the previous column, please enter the refilling pressure information.

Enter the capacity of the hydrogen storage tank in kilograms.

Enter the total number of dispenser hoses installed on the hydrogen fueling station.

Enter the maximum hydrogen dispensing flow rate per dispenser hose in kilograms per minute.

Enter the total capacity of cooling dispensing flow rate for the hydrogen fueling station in kilograms per day.

Enter the total number of cooling systems installed on the hydrogen fueling station.

Enter the total number of compressors installed on the hydrogen fueling station.

Enter the total number of hydrogen storage tanks installed on the hydrogen fueling station.

Enter the number of dispenser pedestals

Enter the number of dispenser hoses installed on each pedestal of the hydrogen fueling station.

Enter the manufacturer of the hydrogen dispensing pedestal equipment.

Enter the model name of the hydrogen dispensing pedestal equipment.

Enter the year the hydrogen dispensing pedestal equipment was manufactured.

Enter the manufacturer of the hydrogen storage tank.

Enter the model name of the hydrogen storage tank.

Enter the year the hydrogen storage tank was manufactured.

Enter the manufacturer of the compressor.
Enter the model name of the compressor.
Enter the year the compressor was manufactured.

Enter the manufacturer of the compressor.
Enter the model name of the compressor.
Enter the year the compressor was manufactured.

Select whether or not the hydrogen fueling station serve more than one port area within the project submitted in this award.

Enter the name of the port area in which the hydrogen fueling station will primarily serve.

Enter the name of the other port areas in which the hydrogen fueling station will serve. If it will serve multiple secondary port areas, list all and separate with a semicolon (e.g., Port of Galveston; Port of Corpus Christi).

Enter the name of the port or organization that owns the hydrogen fueling equipment.

Select the two letter postal code for the state in which the hydrogen fueling station will be located.

Enter the county in which the hydrogen fueling station will be located.

Enter the city in which the hydrogen fueling station will be located.

Enter the zip code in which the charging equipment hydrogen fueling station will be located.

Enter the street address in which the hydrogen fueling station will be located.

Describe the work done during installation, including all equipment that became part of the installed hydrogen fueling station.

List the name of the company (or companies) performing the installation of the hydrogen fueling station.

Enter the date (or date range) the hydrogen fueling station and equipment was manufactured.

Enter the date (or date range) the hydrogen fueling station was installed.

Enter the date by which the hydrogen fueling station became fully operational.

Select from the dropdown menu which parts of the hydrogen fueling infrastructure project are BABA compliant.

For the previous column, explain which parts are not compliant or enter N/A.

Select from the dropdown menu how BABA requirements are being met for the hydrogen fueling infrastructure project.

If a waiver is being used that is not included in the prior field, describe the waiver

Enter the total funds expended for acquiring each unit of the hydrogen fueling pedestal.

Enter the total EPA funds expended for acquiring each unit of the hydrogen fueling pedestal.

Enter the total funds expended for acquiring each storage tank

Enter the total EPA funds expended for acquiring each storage tank

Enter the total funds expended for acquiring each compressor or pump (unit)

Enter the total EPA funds expended for acquiring each compressor or pump (unit)

Enter the total funds expended for acquiring each cooling system, consisting of refrigeration and heat exchangers

Enter the total EPA funds expended for acquiring each cooling system, consisting of refrigeration and heat exchangers

Enter the total funds expended for acquiring the remaining balance of plant; i.e. systems or components not included in another funding category, including electrical, controls, and other.

Enter the total EPA funds expended for acquiring the remaining balance of plant; i.e. systems or components not included in another funding category, including electrical, controls, and other.

Describe the component(s) with costs entered in the two prior fields. E.g. *Electrical control system*

Enter the total funds expended for acquiring additional eligible supporting infrastructure, e.g. pipes

Enter the total EPA funds expended for acquiring additional eligible supporting infrastructure, e.g. pipes

Enter the total amount of funds expended for installation of all the units in the hydrogen fueling station.

Enter the total amount of EPA funds expended for installation of all the units in the hydrogen fueling station.

Enter the total amount of funds expended for acquisition and installation of all the units in the hydrogen fueling system.

Enter the total amount of EPA funds expended for acquisition and installation of all the units in the hydrogen fueling system.

Enter a description of the expenses

Describe the items corresponding to the previous two columns.

No action - autopopulated

No action - autopopulated

Enter the expected useful life of the hydrogen filling station in years

Describe the basis for the expected useful life entered in the prior field

Enter the number (count) of fueling events. A fueling event is any single instance where H2 fuel was delivered to a vehicle. This can consist of an actual, observed value, or an estimate.

Enter the total H2 dispensed, in kilograms (kg). This can consist of an actual, observed value, or an estimate.

Describe the basis for the expected useful life entered in the prior field using the dropdown options.

Enter the number (count) of fueling events. A fueling event is any single instance where H2 fuel was delivered to a vehicle. This can consist of an actual, observed value, or an estimate.

Enter the total H2 dispensed, in kilograms (kg). This can consist of an actual, observed value, or an estimate.

Describe the basis for the expected useful life entered in the prior field using the dropdown options.

Enter the number (count) of fueling events. A fueling event is any single instance where H2 fuel was delivered to a vehicle. This can consist of an actual, observed value, or an estimate.

Enter the total H2 dispensed, in kilograms (kg). This can consist of an actual, observed value, or an estimate.

Describe the basis for the expected useful life entered in the prior field using the dropdown options.

Enter the number (count) of fueling events. A fueling event is any single instance where H2 fuel was delivered to a vehicle. This can consist of an actual, observed value, or an estimate.

Enter the total H2 dispensed, in kilograms (kg). This can consist of an actual, observed value, or an estimate.

Describe the basis for the expected useful life entered in the prior field using the dropdown options.

Select from the dropdown menu the renewable source of energy for power generation: solar or wind.

Enter the name of the manufacturer of the on-site power generation system.

Enter the model name of the on-site power generation system.

Enter the year the on-site power generation system was manufactured.

Enter the energy generation capacity of the on-site power generation system.

Select the two letter postal code for the state in which the on-site power generation system will be located.

Enter the county in which the on-site power generation system will be located.

Enter the city in which the on-site power generation system will be located.

Enter the zip code in which the on-site power generation system will be located.

Enter the street address in which the on-site power generation system will be located.

Enter the name of the port or organization that owns the on-site power generation system.

Select whether or not the on-site power generation system serves more than one port area within the project submitted in this award.

Enter the name of the port area in which the on-site power generation system will primarily serve.

Enter the name of the other port areas in which the on-site power generation system will serve. If it will serve multiple secondary port areas, list all and separate with a semicolon (e.g., Port of Galveston; Port of Corpus Christi).

Describe the work done during installation, including all equipment that became part of the installed on-site power generation system.
List the name of the company (or companies) performing the installation of the on-site power generation system.
Enter the date (or date range) the on-site power generation system and equipment was manufactured.
Enter the date (or date range) the on-site power generation system was installed.
Enter the date by which the on-site power generation system became fully operational.

Select from the dropdown menu which parts of the on-site power generation infrastructure project are BABA compliant.
For the previous column, explain which parts are not compliant or enter N/A.
Select from the dropdown menu how BABA requirements are being met for the on-site power generation infrastructure project.
If a waiver is being used that is not included in the prior field, describe the waiver

Enter the equipment cost for each unit of the one-site power generation infrastructure system.
Enter the EPA funds expended for each unit of one-site power generation infrastructure system.
Enter the total amount of funds expended for installation of all the units in the one-site power generation infrastructure system.
Enter the total amount of EPA funds expended for installation of all the units in the one-site power generation infrastructure system.

Enter the total amount of funds expended for acquisition and installation of all the units in the shore power system.

Describe the items corresponding to the previous two columns.

No action - autopopulated

No action - autopopulated

Enter the expected useful life of the on-site power generation equipment in years

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy produced by this on-site power generation system in megawatt hours
Enter the percentage uptime (availability) of the on-site power generation system. i.e. percent of time that the system is in service and available for use

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy produced by this on-site power generation system in megawatt hours
Enter the percentage uptime (availability) of the on-site power generation system. i.e. percent of time that the system is in service and available for use

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy produced by this on-site power generation system in megawatt hours
Enter the percentage uptime (availability) of the on-site power generation system. i.e. percent of time that the system is in service and available for use

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy produced by this on-site power generation system in megawatt hours
Enter the percentage uptime (availability) of the on-site power generation system. i.e. percent of time that the system is in service and available for use

Describe the basis for the expected useful life entered in the prior field

Enter the manufacturer of the BESS equipment.
Enter the model name of the BESS equipment.
Enter the year the BESS equipment was manufactured.

Enter the total energy capacity of the BESS system and indicate the unit of energy (kWh or MWh)
Enter the maximum continuous discharge alternative current power in kW
Enter the maximum continuous discharge direct current power in kW

Using the dropdown menu, select the chemistry of the battery

From the previous column, describe the battery chemistry of the BESS

Using the dropdown menu, select whether or not a battery warranty is included.

If the battery includes a warranty, indicate the number of years the coverage is valid for

If the battery includes a warranty, indicate the total amount of discharged energy (kWh) the coverage is valid for

Enter the minimum amount of energy that the battery will be able to store and discharge, in percent (%) of the new battery energy capacity rating.

Select the two letter postal code for the state in which the BESS equipment will be located.

Enter the county in which the BESS equipment will be located.

Enter the city in which the BESS equipment will be located.

Enter the zip code in which the BESS equipment will be located.

Enter the street address in which the BESS equipment will be located.

Enter the name of the port or organization that owns the BESS equipment.

Select whether or not the BESS equipment serves more than one port area within the project submitted in this award.

Enter the name of the port area in which the BESS equipment will primarily serve.

Enter the name of the other port areas in which the BESS equipment will serve. If it will serve multiple secondary port areas, list all and separate with a semicolon (e.g., Port of Galveston; Port of Corpus Christi).

Describe the work done during installation, including all equipment that became part of the installed BESS.

List the name of the company (or companies) performing the installation of the BESS.

Enter the date (or date range) the BESS equipment was manufactured.

Enter the date (or date range) the BESS was installed.

Enter the date by which the BESS equipment became fully operational.

Select from the dropdown menu which parts of the BESS infrastructure project are BABA compliant.

For the previous column, explain which parts are not compliant or enter N/A.

Select from the dropdown menu how BABA requirements are being met for the BESS infrastructure project.

If a waiver is being used that is not included in the prior field, describe the waiver

Enter the equipment cost for each unit of the BESS.

Enter the EPA funds expended for the equipment in each BESS unit.

Enter the total amount of funds expended for all items related to acquiring BESS.

Enter the total amount of EPA funds expended for all items related to acquiring BESS.

Enter the total amount of funds expended for acquisition and installation of all the units in the shore power system.

Enter the total amount of EPA funds expended for acquisition and installation of all the units in the shore power system.

Enter the total amount of funds expended for all other eligible BESS-related expenses such as permits, shipping of equipment, etc.

Enter the total amount of EPA funds expended for all other eligible BESS-related expenses such as permits, shipping of equipment, etc.

Describe the items corresponding to the previous two columns.

No action - autopopulated

No action - autopopulated

Enter the expected useful life of the BESS in years

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy dispensed (discharged) by this BESS in megawatt hours

Enter the annual total energy received (charged) to this BESS *from the grid* in megawatt-hours (MWh)

Enter the percentage uptime (availability) of the BESS. i.e. percent of time that the system is in service and available/in-use

Select a response from the dropdown

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy dispensed (discharged) by this BESS in megawatt hours

Enter the annual total energy received (charged) to this BESS *from the grid* in megawatt-hours (MWh)

Enter the percentage uptime (availability) of the BESS. i.e. percent of time that the system is in service and available/in-use

Select a response from the dropdown

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy dispensed (discharged) by this BESS in megawatt hours

Enter the annual total energy received (charged) to this BESS *from the grid* in megawatt-hours (MWh)

Enter the percentage uptime (availability) of the BESS. i.e. percent of time that the system is in service and available/in-use

Select a response from the dropdown

Describe the basis for the expected useful life entered in the prior field

Enter the annual total energy dispensed (discharged) by this BESS in megawatt hours

Enter the annual total energy received (charged) to this BESS *from the grid* in megawatt-hours (MWh)

Enter the percentage uptime (availability) of the BESS. i.e. percent of time that the system is in service and available/in-use

Select a response from the dropdown

Describe the basis for the expected useful life entered in the prior field

Select a response from the dropdown

Describe the other infrastructure project(s) not captured in previous infrastructure tabs.

Paste the planned activities from the last interannual report

Paste the anticipated outputs from the last interannual report

Paste the anticipated outcomes from the last interannual report

Describe the final, actual results for the planned activity

Please provide programmatic and narrative financial results on the project (open response)

Please provide subaward information on the project and an explanation in each cell below.