

2024 Clean Ports Program Utility Partnership Template

Instructions: Planning early for long-term electric charging infrastructure needs is important for project success. This form was created for the convenience of applicants and utility providers to assist in discussing the potential new zero-emission vehicle/equipment and infrastructure projects, including key components such as anticipated costs and timelines.

The intent of this form is to ensure **awareness** of all parties involved in the potential new zero-emission port technology project. This document is **not binding**, meaning that applicants and utility providers do not need to complete a full utility analysis or otherwise fully commit to proceeding with the potential new zero emissions equipment project as outlined on this form.

The information identified in this worksheet may be used to support the Project Narrative component of the grant application package, but it is **not required**. Applicants may include a copy of this worksheet for each project location included in the application.

Regardless of whether applicants use this worksheet, the EPA strongly encourages applicants to coordinate with their electric utility to determine anticipated costs and timelines. **Additionally, applicants should keep fleet electrification expansion plans in mind, as futureproofing for upcoming needs can ultimately decrease overall utility upgrade costs.**

1. Fleet Information

	Requested in Application <i>[Please provide the number of units of mobile source equipment (by type) and chargers requested in your application.]</i>	Current Electric Fleet at time of Application Submission <i>[Please provide the number of units of mobile source equipment (by type) and chargers already in your electric fleet.]</i>
Type and Number of Units of Electric Vehicles/Equipment: <i>(please specify the type of mobile source equipment such as dray trucks, terminal tractors, side picks, locomotives, vessels etc.)</i>	APM – Thirty-six (36) Electric Terminal Tractors, ZE Cranes Four (4) Electric Top Loaders (Requesting 13 DCFC’s).	APM – Thirty-five (35) Nissan Leafs
Number of DC Fast Charger Units:	APM - Thirteen (13) DCFC’s	APM - Three (3) ABB DCFC
Number of Level 2 AC Charger Units:	APM – Twelve (12) Level 2 chargers	APM - Twelve (12) Clipper Creek Level 2 chargers

<p>Number of Other EV Charger Units <i>(please specify the type of chargers)</i></p>	<ul style="list-style-type: none"> • SSA- Two (2) electric forklift chargers 	
<p>Number of Shore Power Pedestals:</p>	<ul style="list-style-type: none"> • CGR – One (1) • APM – Two (2) 	
<p>Number of Units of Other Eligible Charging and/or other Electrical Infrastructure: <i>(please specify the type of infrastructure)</i></p>	<ul style="list-style-type: none"> • ASPA / TRR - Three (3) Locomotive DCFC • T ASD – Two Electric Locomotive DCFC • Cooper Marine – (4,160 Volts) - Two (2) Electric Material Handlers, Two (2) Hoppers, Five (5) Conveyors, One Ship loader 	
<p>Expected location(s) (street, city, state, ZIP code) of Charger and/or Electrical Infrastructure Installations:</p>	<ul style="list-style-type: none"> • Alabama State Port Authority (ASPA) – 0 Alabama State Docks Blvd., Mobile Alabama 36603 • APM Terminals – 901 Ezra Trice, Mobile, Alabama 36603 • Cooper Marine – 581 Cochrane CSWY Mobile, AL 36601 	

2. Utility Information

EPA recommends that applicants fill out information for each individual utility provider they are communicating with about their potential electric infrastructure project. EPA also recommends that applicants communicating with more than one utility provider identify whether the project scope occurring with a specific utility provider would constitute all or only part of the potential electric infrastructure project.

a. Utility Provider #1

Name of the Utility Provider:	Alabama Power Company
Utility Contact Name:	Richard Ramirez
Utility Contact Phone:	251-331-3407
Utility Contact Email:	raramire@southernco.com

b. Utility Provider #2

Name of the Utility Provider:	
Utility Contact Name:	
Utility Contact Phone:	
Utility Contact Email:	

c. Utility Provider #3

Name of the Utility Provider:	
Utility Contact Name:	
Utility Contact Phone:	
Utility Contact Email:	

d. Utility Provider #4

Name of the Utility Provider:	
Utility Contact Name:	
Utility Contact Phone:	
Utility Contact Email:	

3. Applicant and Utility Coordination Affirmation

By signing this Affirmation, I certify that I am an Authorized Representative for the Applicant or Utility Provider identified below.


If an applicant has not received a response from their local utility provider(s) after repeated attempts to discuss this form, then they may choose to submit the document with signatures from all parties involved

in the application except for the utility, with the understanding that there will be continued outreach with the utility after the application deadline.

Applicant Affirmation

I have discussed the project plan for the fleet and charging infrastructure outlined above with the Utility Company, and if applicable with the School District and/or Port Authority, and others as appropriate.

 Alabama State Port Authority


_____  _____
 5/24/24

Applicant Organization Name **Authorized Representative (Signature)** **Date**

Utility Provider Affirmation

I have discussed the project plan for the fleet and charging infrastructure outlined above with the Applicant listed above, and if applicable, the third parties, including the relevant School District and/or Port Authority, and others as appropriate.

 Alabama Power Company

_____  _____
 5/28/24

Utility Provider #1 Name **Authorized Representative (Signature)** **Date**

Utility Provider #2 Name _____
Authorized Representative (Signature) **Date**

Utility Provider #3 Name _____
Authorized Representative (Signature) **Date**

Utility Provider #4 Name _____
Authorized Representative (Signature) **Date**

Other Entity Affirmation

(applicable only if part of project; e.g., other state or local agencies, including Port Authorities or School Districts)

I have discussed the project plan for the fleet and charging infrastructure outlined above with the Utility Company and Applicant Organization, listed above, and others as appropriate.

Entity Organization Name **Authorized Representative (Signature)** **Date**

4. Planning for Utility Upgrades

<p>Please work with your utility to provide a rough estimate of the total engineering and construction cost for utility owned infrastructure (in front of the meter) for the project based on the number of units of vehicles/equipment and eligible charging and/or other fueling infrastructure listed in the applicant's application.</p>	<p>\$200,000</p>
<p>In the box below, please briefly describe the scope of any needed utility upgrades for the project. Please consider whether engineering, construction, and/or permitting is needed, whether an interconnection study is necessary, and the extent of services needed for completion. This should include whether upgrades are necessary for the following pieces of equipment:</p> <ul style="list-style-type: none">• Power transformer• Terminator Pole• Service lateral/conductor• Metering• Primary line extension• Any additional equipment	
<p>To follow are the steps APC has taken to ensure that we can provide adequate service to each of the sub-recipients.</p> <p>APC toured ASPA and each of its sub-recipient's sites located at the main port. We were able to verify that either the port would be responsible to provide additional service or that Alabama Power could provide any additional transformers necessary to serve all of the sub-recipients new/added load. We are confident that service can be provided to all of the sub-recipients located at the main port: ASPA, CSA Equipment, and CGR.</p> <p>For the CGR shore power project, APC verified that the load would be on the ports side of the meter (they have primary service at that location). We ran a load calculation on the existing load and verified that an additional 600kW would not be an issue. The engineers produced a solution of how to get power to the CGR site from the existing customer owned 2,500 kVA pad-mount transformer.</p> <p>The APM Terminals project is estimated to add approximately 6 MW of load to our system. APC considered the estimated increased load for APM Terminals, plus the load of other future projects that we are aware of in the area. He is confident that APC's associated substation is fully capable of handling all of the estimated increased load. APM Terminals is primary metered, and the additional load would be on their side of the meter. They are fully capable of providing service for the additional electric equipment.</p> <p>For Cooper Marine, APC has reviewed their plans for the electric material handlers and can meet their needs. Our plan is to provide one or, if necessary, two 2,500 kVA 4,160 to 480 kW transformers for the project. We have additional options, if necessary, but the overall consensus is that we have options and can definitely provide adequate service required for this project.</p>	
<p>Based on the information provided above, please provide an estimate of time required to complete the necessary utility-owned infrastructure (in front of the meter) upgrades:</p>	

APC can procure and install all above-the-meter upgrades needed to support the Alabama State Port Authority, APM Terminals – Mobile, Cooper Marine, CG Railway and CSA Equipment Company, LLC projects outlined within their application within 12 months of being awarded.