

AERIAL BOOM VEHICLE WITH ePTO ELIGIBILITY APPLICATION

Part I: Original Manufacturer Information

1. Company Name/Organization Name/Individual Name:		
2. Contact Name and Title:		
3. Business Mailing Address:		
City:	State:	Zip Code:
Phone:	E-mail:	

Part II: Vehicle Description

Please identify the vehicle and its applicable ePTO system proposed for HVIP eligibility in Tables B3-1 and B3-2, respectively.

Table B3-1: Aerial Boom Vehicle Information

Vehicle MY	
Vehicle Make and Model	
Engine Make and Model	
ePTO Make and Model	
Boom Maximum Working Height (ft)	
Gross Vehicle Weight Range (lbs)* * including ePTO system.	

Table B3-2: ePTO Information

Battery Manufacturer	
Battery Chemistry	
Battery Capacity (kWh)	

Battery Manufacturer Recommended Minimum State-of-Charge	
Regenerative Braking	<input type="checkbox"/> Yes <input type="checkbox"/> No

What is the typical California pre-tax cost with normal dealer profit of the bucket truck identified in Table B3-1 when equipped with the ePTO system identified in Table B3-2? \$ _____

What is the typical California pre-tax cost with normal dealer profit of the bucket truck identified in Table B3-1 when equipped with the ePTO system identified in Table B3-2? \$ _____

Make and model of vehicle telematics system: _____

Potential Voucher Enhancements

- a. Manufacturer requests approval of exportable power option (per Section C(7) of the HVIP Implementation Manual)? Yes No
- b. Manufacturer requests approval of extended warranty option (per Section D(5)(f) of the HVIP Implementation Manual)? Yes No

Part III: Self-Certification of Vehicle, Engine and ePTO Parameters

Please check the box next to each statement if the statement is correct. **Do not check the box if the statement is not correct.**

- The vehicle complies with applicable air quality provisions of California and federal law.
- The vehicle complies with motor vehicle safety provisions of 49 USC Sections 30101 through 30169.
- The vehicle meets the original engine manufacturer’s build requirements.
- No modifications have been made to the engine hardware or after-treatment device(s).
- No modifications have been made to the engine’s original software calibrations.
- The vehicle meets HVIP minimum three year warranty requirements, as described in Section C(1)(a) of the HVIP Implementation Manual.
- The vehicle manufacturer agrees to the telematics requirement as stated in

Section C(1)(j) of the HVIP Implementation Manual.

- The ePTO battery is capable of recharging from the manufacturer specified battery cut-off voltage to full charge within twelve hours.
- The battery manufacturer recommended minimum state-of-charge for the ePTO make/model identified in this application equals that in the aerial boom vehicle provided for consumer purchase and intended for the vehicle in-use for a minimum of three years from date of voucher redemption.
- There is at least one service provider for the vehicle in California. Please provide name and city of primary service provider:
- The vehicle and ePTO system meet all the requirements of the HVIP, including those identified in this application and the HVIP Implementation Manual.

Part IV: Application Attachments to be Provided by Original Vehicle Manufacturer

- Warranty provisions.
- After sales service provisions.
- MSRP price sheets.
- Manufacturer's vehicle marketing flyer, including vehicle and exportable power specifications and justification for export power usage in proposed vehicle vocation (if requesting HVIP approval of exportable power option).
- If requesting HVIP approval of exportable power option, manufacturer's vehicle marketing flyer, including vehicle and exportable power specifications and justification for export power usage in proposed vehicle vocation.
- If requesting HVIP approval of exportable power option, manufacturer's vehicle marketing flyer, including vehicle and exportable power specifications and justification for export power usage in proposed vehicle vocation.
- If any of the statements in Part III are not true and correct (i.e. if any of the boxes above are not checked), please attach a narrative explaining why.
- Briefly describe what information is provided to hybrid vehicle dealers/purchasers regarding proper disposal of the ePTO battery and how this information is conveyed.

Part V: Demonstration of ePTO System

The intent of the ePTO system demonstration is to verify that the ePTO will function entirely on battery power over the course of a typical work day. The ePTO demonstration consists of three steps:

1. The ARB Project Liaison or his designee approves in writing a vehicle and ePTO duty cycle that reflects a typical work day. The duty cycle must include the following parameters:

- a. At least 45 minutes of total boom movement with at least 175 lbs in the bucket, including a minimum of 22.5 minutes of vertical boom movement and 22.5 minutes of horizontal boom movement. Each boom movement must extend to maximum achievable boom left/right and up/down positions.
- b. At least five minutes of air conditioning, running at maximum capacity with the cab windows closed.
- c. Vehicles with a battery charge while driving feature may include up to one hour of driving as part of the duty cycle. Drive cycles will be considered by the ARB Project Liaison on a case-by-case basis, and must reflect a suburban driving environment (i.e. moderate speeds and number of stops).

The ARB Project Liaison is: Mr. Ryan Murano
Telephone: (916) 322-2383
ryan.murano@arb.ca.gov

2. The applicant provides an in-person demonstration for the ARB Project Liaison or his designee that the vehicle completes the approved duty cycle without need for the engine to recharge the battery (i.e. the battery manufacturer recommended minimum state-of-charge is not reached). The demonstration must be conducted within a 100 mile radius of ARB headquarters in Sacramento, California unless an alternate location is preapproved by the ARB Project Liaison. The ARB Project Liaison may forgo in-person duty cycle verification on a case-by-case basis for applicants for which ePTO duty cycles have previously been demonstrated in person. In these cases, the applicant would detail and confirm in writing completion of the approved duty cycle.
3. ARB provides the applicant with a vehicle approval letter indicating the vehicle make/model has been HVIP-approved.

Part VI: Applicant Signature

I hereby certify by penalty of perjury that all information provided in this application and any attachments are true and correct. Submission of false information on this form is punishable under penalty of perjury under the laws of the State of California.

Printed Name of Responsible Party:	Title:
Signature of Responsible Party:	Date: