

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 10/2015)

CALIFORNIA ENERGY COMMISSION

New Agreement ARV-18-025 (To be completed by CGL Office)

Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Jonathan Bobadilla	27	916-654-4689

Recipient's Legal Name	Federal ID Number
Transportation Power, Inc. (dba TransPower)	27-3558766

Title of Project
Zero-Emission Vehicle Industrialization

Term and Amount	Start Date	End Date	Amount
	6 / 12 / 2019	1 / 31 / 2022	\$ 1,183,921

Business Meeting Information			
<input type="checkbox"/> ARFVTP agreements \$75K and under delegated to Executive Director.			
Proposed Business Meeting Date	6 / 12 / 2019	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	JONATHAN BOBADILLA	Time Needed:	5 minutes
Please select one list serve. Altfuels (AB118- ARFVTP)			

Agenda Item Subject and Description
TRANSPORTATION POWER, INC. Proposed resolution approving Agreement ARV-18-025 with Transportation Power, Inc. (dba TransPower) for a \$1,183,921 grant to upgrade ZEV component manufacturing capabilities at TransPower's existing facilities, and adopting staff's determination that this action is exempt from CEQA.

California Environmental Quality Act (CEQA) Compliance
1. Is Agreement considered a "Project" under CEQA? <input checked="" type="checkbox"/> Yes (skip to question 2) <input type="checkbox"/> No (complete the following (PRC 21065 and 14 CCR 15378)): Explain why Agreement is not considered a "Project": Agreement will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because .
2. If Agreement is considered a "Project" under CEQA: <input checked="" type="checkbox"/> a) Agreement IS exempt. (Attach draft NOE) <input type="checkbox"/> Statutory Exemption. List PRC and/or CCR section number: <input checked="" type="checkbox"/> Categorical Exemption. List CCR Cal. Code Regs., tit. 14 §§ 15301 section number: <input type="checkbox"/> Common Sense Exemption. 14 CCR 15061 (b) (3) Explain reason why Agreement is exempt under the above section: Project consists of minor alterations and operation of an existing electric vehicle component manufacturing facility, including the installation of equipment, which will involve negligible or no expansion of use. The project is in existing industrial-zoned buildings and alterations will not change the structure of the buildings.
<input type="checkbox"/> b) Agreement IS NOT exempt. (Consult with the legal office to determine next steps.) Check all that apply <input type="checkbox"/> Initial Study <input type="checkbox"/> Environmental Impact Report <input type="checkbox"/> Negative Declaration <input type="checkbox"/> Statement of Overriding Considerations <input type="checkbox"/> Mitigated Negative Declaration

List all subcontractors (major and minor) and equipment vendors: (attach additional sheets as necessary)	
Legal Company Name:	Budget
	\$
	\$
	\$

List all key partners: (attach additional sheets as necessary)
Legal Company Name:

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CALIFORNIA ENERGY COMMISSION



Budget Information							
Funding Source		Funding Year of Appropriation		Budget List No.		Amount	
ARFVTP		2017/2018		601.118J		\$1,183,921	
Funding Source						\$	
Funding Source						\$	
Funding Source						\$	
Funding Source						\$	
R&D Program Area:		N/A		TOTAL:		\$1,183,921	
Explanation for "Other" selection							
Reimbursement Contract #:				Federal Agreement #:			

Recipient's Administrator/ Officer				Recipient's Project Manager			
Name:		Michael Simon		Name:		Michael Zavatsky	
Address:		Transportation Power, Inc. 2415 Auto Park Way		Address:		Transportation Power, Inc. 2415 Auto Park Way	
City, State, Zip:		Escondido, CA 92029		City, State, Zip:		Escondido, CA 92029	
Phone:	760-294-9791	Fax:	- -	Phone:	858-335-0630	Fax:	- -
E-Mail:		mike@transpowerusa.com		E-Mail:		mikez@transpowerusa.com	

Selection Process Used	
<input checked="" type="checkbox"/> Competitive Solicitation	Solicitation #: GFO-18-605
<input type="checkbox"/> First Come First Served Solicitation	

The following items should be attached to this GRF	
1. Exhibit A, Scope of Work	<input checked="" type="checkbox"/> Attached
2. Exhibit B, Budget Detail	<input checked="" type="checkbox"/> Attached
3. CEC 105, Questionnaire for Identifying Conflicts	<input checked="" type="checkbox"/> Attached
4. Recipient Resolution	<input type="checkbox"/> N/A <input type="checkbox"/> Attached
5. CEQA Documentation	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Attached

Agreement Manager

Date

Office Manager

Date

Deputy Director

Date

Exhibit A

SCOPE OF WORK

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2	x	Procurement and Pre-Installation
3		Installation and Implementation
4	x	Operations and Validation
5	x	Data Collection and Analysis

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	TBD - TransPower	N/A	N/A
2	Michael Zavatsky - TransPower	N/A	N/A
3	Michael Zavatsky - TransPower	N/A	N/A
4	TBD - TransPower	N/A	N/A
5	Michael Zavatsky - TransPower	N/A	N/A

GLOSSARY

Specific terms and acronyms used throughout this scope of work are defined as follows:

Term/ Acronym	Definition
AB	Assembly Bill
ARFVTP	Alternative and Renewable Fuel and Vehicle Technology Program
CAM	Commission Agreement Manager
CEC	California Energy Commission
CPR	critical project review
EV	electric vehicle
FTD	Fuels and Transportation Division
GFO	grant funding opportunity
ISO	International Organization for Standardization
Recipient	Transportation Power, Inc., dba TransPower
ZEV	zero-emission vehicle
ZEVI	Zero-Emission Vehicle Industrialization

Background

Assembly Bill (AB) 118 (Núñez, Chapter 750, Statutes of 2007), created the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). The statute authorizes the California Energy Commission (Energy Commission) to develop and deploy alternative and renewable fuels and advanced transportation technologies to help attain the state's climate change, clean air, and alternative energy policies. AB 8 (Perea, Chapter 401, Statutes of 2013) re-authorizes the ARFVTP through January 1, 2024. The ARFVTP has an annual budget of approximately \$100 million and provides financial support for projects that:

- Reduce California's use and dependence on petroleum transportation fuels and increase the use of alternative and renewable fuels and advanced vehicle technologies.
- Produce sustainable alternative and renewable low-carbon fuels in California.
- Expand alternative fueling infrastructure and fueling stations.
- Improve the efficiency, performance and market viability of alternative light-, medium-, and heavy-duty vehicle technologies.
- Expand the alternative fueling infrastructure available to existing fleets, public transit, and transportation corridors.
- Establish workforce training programs and conduct public outreach on the benefits of alternative transportation fuels and vehicle technologies.

The Energy Commission issued solicitation GFO-18-605 for Zero-Emission Vehicle (ZEV) and ZEV Infrastructure Manufacturing projects. To be eligible for funding under GFO-18-605, projects must also be consistent with the Energy Commission's ARFVTP Investment Plan, updated annually. In response to GFO-18-605, Transportation Power, Inc. (Recipient) submitted Application 1, which was proposed for funding in the Energy Commission's Notice of Proposed Awards (NOPA) on April 11, 2019. GFO-18-605 and Recipient's aforementioned application are hereby incorporated by reference into this Agreement in their entirety.

In the event of any conflict or inconsistency between the terms of the Solicitation and the terms of the Recipient's Application, the Solicitation shall control. In the event of any conflict or inconsistency between the Recipient's Application and the terms of the Energy Commission's Award, the Energy Commission's Award shall control. Similarly, in the event of any conflict or inconsistency between the terms of this Agreement and the Recipient's Application, the terms of this Agreement shall control.

Problem Statement:

Technological challenges such as limited battery capacity, poor road performance and control limit the adoption of ZEVs in the heavy-duty and commercial space. Investments in the ZEV manufacturing sector is essential to achieve economies of scale and drive down manufacturing costs for integral ZEV components that ensure the reliability of ZEV performance. A robust supply chain of ZEV components is critical to meet ARFVTP goals of improving the efficiency, performance, and market viability of ZEV technologies in California.

Over the past 3-4 years, Recipient and its development team have taken significant steps toward addressing these technological challenges by developing electric vehicle (EV) components designed for heavy-duty and commercial ZEVs. These include high-energy battery packs, transmissions, and control systems. However, these types of components remain very costly to produce due to scaling. The Recipient seeks funding from the Energy Commission to

acquire the equipment, software, and tools needed to expand ZEV component manufacturing operations as part of their Zero-Emission Vehicle Industrialization (ZEV I) project. This project would accelerate the adoption of ZEVs by supporting the supply chain of integral ZEV components manufactured in California.

Goals of the Agreement:

The goals of this Agreement are to:

- Increase ZEV component manufacturing capacity through improved economies of scale
- Reduce the production costs of components integral to the deployment of ZEVs
- Validate the reliability of ZEV components via industry recognized component and manufacturing process standards agencies such as the International Organization for Standardization (ISO)

Objectives of the Agreement:

The objectives of this Agreement are to:

- Acquire and install new manufacturing equipment, tools, and software for installation at the Recipient's existing manufacturing facility/facilities as approved by the CAM
- Increase the manufacturing capacity of ZEV components at Recipient's facilities
- Implement new quality control processes to validate ZEV components manufactured by the Recipient

TASK 1 ADMINISTRATION

Task 1.1 Attend Kick-off Meeting

The goal of this task is to establish the lines of communication and procedures for implementing this Agreement. The Commission Agreement Manager (CAM) shall designate the date and location of this meeting and provide an agenda to the Recipient prior to the meeting.

The Recipient shall:

- Attend a "Kick-Off" meeting with the CAM, the Commission Agreement Officer (CAO), and a representative of the Energy Commission Accounting Office. The Recipient shall bring their Project Manager, Agreement Administrator, Accounting Officer, and any others determined necessary by the Recipient or specifically requested by the CAM to this meeting.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.6) No reimbursable work may be done until this documentation is in place.
 - Permit documentation (Task 1.7)

- Subcontracts needed to carry out project (Task 1.8)
- The CAM's expectations for accomplishing tasks described in the Scope of Work
- An updated Schedule of Products and Due Dates
- Monthly Progress Reports (Task 1.4)
- Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
- Final Report (Task 1.5)

Recipient Products:

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits

Commission Agreement Manager Product:

- Kick-Off Meeting Agenda

Task 1.2 Critical Project Review (CPR) Meetings

CPRs provide the opportunity for frank discussions between the Energy Commission and the Recipient. The goal of this task is to determine if the project should continue to receive Energy Commission funding to complete this Agreement and to identify any needed modifications to the tasks, products, schedule or budget.

The CAM may schedule CPR meetings as necessary, and meeting costs will be borne by the Recipient.

Meeting participants include the CAM and the Recipient and may include the Commission Agreement Officer, the Fuels and Transportation Division (FTD) program lead, other Energy Commission staff and Management as well as other individuals selected by the CAM to provide support to the Energy Commission.

The CAM shall:

- Determine the location, date, and time of each CPR meeting with the Recipient. These meetings generally take place at the Energy Commission, but they may take place at another location.
- Send the Recipient the agenda and a list of expected participants in advance of each CPR. If applicable, the agenda shall include a discussion on both match funding and permits.
- Conduct and make a record of each CPR meeting. Prepare a schedule for providing the written determination described below.
- Determine whether to continue the project, and if continuing, whether or not modifications are needed to the tasks, schedule, products, and/or budget for the remainder of the Agreement. Modifications to the Agreement may require a formal amendment (please see section 8 of the Terms and Conditions). If the CAM concludes that satisfactory progress is not being made, this conclusion will be referred to the Lead Commissioner for Transportation for his or her concurrence.

- Provide the Recipient with a written determination in accordance with the schedule. The written response may include a requirement for the Recipient to revise one or more product(s) that were included in the CPR.

The Recipient shall:

- Prepare a CPR Report for each CPR that discusses the progress of the Agreement toward achieving its goals and objectives. This report shall include recommendations and conclusions regarding continued work of the projects. This report shall be submitted along with any other products identified in this scope of work. The Recipient shall submit these documents to the CAM and any other designated reviewers at least 15 working days in advance of each CPR meeting.
- Present the required information at each CPR meeting and participate in a discussion about the Agreement.

CAM Products:

- Agenda and a list of expected participants
- Schedule for written determination
- Written determination

Recipient Product:

- CPR Report(s)

Task 1.3 Final Meeting

The goal of this task is to closeout this Agreement.

The Recipient shall:

- Meet with Energy Commission staff to present the findings, conclusions, and recommendations. The final meeting must be completed during the closeout of this Agreement.

This meeting will be attended by, at a minimum, the Recipient, the Commission Grants Office Officer, and the Commission Agreement Manager. The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be two separate meetings at the discretion of the Commission Agreement Manager.

The technical portion of the meeting shall present an assessment of the degree to which project and task goals and objectives were achieved, findings, conclusions, recommended next steps (if any) for the Agreement, and recommendations for improvements. The Commission Agreement Manager will determine the appropriate meeting participants.

The administrative portion of the meeting shall be a discussion with the Commission Agreement Manager and the Grants Officer about the following Agreement closeout items:

- What to do with any equipment purchased with Energy Commission funds (Options)
- Energy Commission's request for specific "generated" data (not already provided in Agreement products)

- Need to document Recipient's disclosure of "subject inventions" developed under the Agreement
 - "Surviving" Agreement provisions
 - Final invoicing and release of retention
- Prepare a schedule for completing the closeout activities for this Agreement.

Products:

- Written documentation of meeting agreements
- Schedule for completing closeout activities

Task 1.4 Monthly Progress Reports

The goal of this task is to periodically verify that satisfactory and continued progress is made towards achieving the objectives of this Agreement on time and within budget.

The objectives of this task are to summarize activities performed during the reporting period, to identify activities planned for the next reporting period, to identify issues that may affect performance and expenditures, and to form the basis for determining whether invoices are consistent with work performed.

The Recipient shall:

- Prepare a Monthly Progress Report which summarizes all Agreement activities conducted by the Recipient for the reporting period, including an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns. Each progress report is due to the Commission Agreement Manager within 10 days of the end of the reporting period. The recommended specifications for each progress report are contained in Section 6 of the Terms and Conditions of this Agreement.
- In the first Monthly Progress Report and first invoice, document and verify match expenditures and provide a synopsis of project progress, if match funds have been expended or if work funded with match share has occurred after the notice of proposed award but before execution of the grant agreement. If no match funds have been expended or if no work funded with match share has occurred before execution, then state this in the report. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.

Product:

- Monthly Progress Reports

Task 1.5 Final Report

The goal of the Final Report is to assess the project's success in achieving the Agreement's goals and objectives, advancing science and technology, and providing energy-related and other benefits to California.

The objectives of the Final Report are to clearly and completely describe the project's purpose, approach, activities performed, results, and advancements in science and technology; to present a public assessment of the success of the project as measured by the degree to which goals and objectives were achieved; to make insightful observations based on results obtained; to draw conclusions; and to make recommendations for further projects and improvements to the FTD project management processes.

The Final Report shall be a public document. If the Recipient has obtained confidential status from the Energy Commission and will be preparing a confidential version of the Final Report as well, the Recipient shall perform the following activities for both the public and confidential versions of the Final Report.

The Recipient shall:

- Prepare an Outline of the Final Report, if requested by the CAM.
- Prepare a Final Report following the latest version of the Final Report guidelines which will be provided by the CAM. The CAM shall provide written comments on the Draft Final Report within fifteen (15) working days of receipt. The Final Report must be completed at least 60 days before the end of the Agreement Term.
- Submit one bound copy of the Final Report with the final invoice.

Products:

- Outline of the Final Report, if requested
- Draft Final Report
- Final Report

Task 1.6 Identify and Obtain Matching Funds

The goal of this task is to ensure that the match funds planned for this Agreement are obtained for and applied to this Agreement during the term of this Agreement.

The costs to obtain and document match fund commitments are not reimbursable through this Agreement. Although the Energy Commission budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds shall be spent concurrently or in advance of Energy Commission funds for each task during the term of this Agreement. Match funds must be identified in writing and the associated commitments obtained before the Recipient can incur any costs for which the Recipient will request reimbursement.

The Recipient shall:

- Prepare a letter documenting the match funding committed to this Agreement and submit it to the Commission Agreement Manager at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the Energy Commission awarding this Agreement and none have been identified at the time this Agreement starts, then state such in the letter. If match funds were a part of the proposal that led to the Energy Commission awarding this Agreement, then provide in the letter a list of the match funds that identifies the:
 - Amount of each cash match fund, its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied.

- Amount of each in-kind contribution, a description, documented market or book value, and its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied. If the in-kind contribution is equipment or other tangible or real property, the Recipient shall identify its owner and provide a contact name, address and telephone number, and the address where the property is located.
- Provide a copy of the letter of commitment from an authorized representative of each source of cash match funding or in-kind contributions that these funds or contributions have been secured. For match funds provided by a grant a copy of the executed grant shall be submitted in place of a letter of commitment.
- Discuss match funds and the implications to the Agreement if they are reduced or not obtained as committed, at the kick-off meeting. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.
- Provide the appropriate information to the Commission Agreement Manager if during the course of the Agreement additional match funds are received.
- Notify the Commission Agreement Manager within 10 days if during the course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR meeting.

Products:

- A letter regarding match funds or stating that no match funds are provided
- Copy(ies) of each match fund commitment letter(s) (if applicable)
- Letter(s) for new match funds (if applicable)
- Letter that match funds were reduced (if applicable)

Task 1.7 Identify and Obtain Required Permits

The goal of this task is to obtain all permits required for work completed under this Agreement in advance of the date they are needed to keep the Agreement schedule on track.

Permit costs and the expenses associated with obtaining permits are not reimbursable under this Agreement. Although the Energy Commission budget for this task will be zero dollars, the Recipient shall budget match funds for any expected expenditures associated with obtaining permits. Permits must be identified in writing and obtained before the Recipient can make any expenditure for which a permit is required.

The Recipient shall:

- Prepare a letter documenting the permits required to conduct this Agreement and submit it to the Commission Agreement Manager at least 2 working days prior to the kick-off meeting. If there are no permits required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that permits will be required during the course of the Agreement, provide in the letter:
 - A list of the permits that identifies the:
 - Type of permit

- Name, address and telephone number of the permitting jurisdictions or lead agencies
 - The schedule the Recipient will follow in applying for and obtaining these permits.
- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule and the copies of the permits. The implications to the Agreement if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item in the Progress Reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the Commission Agreement Manager.
- As permits are obtained, send a copy of each approved permit to the Commission Agreement Manager.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the Commission Agreement Manager within 5 working days. Either of these events may trigger an additional CPR.

Products:

- Letter documenting the permits or stating that no permits are required
- Updated list of permits as they change during the term of the Agreement (if applicable)
- Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)
- A copy of each final approved permit (if applicable)

Task 1.8 Obtain and Execute Subcontracts

The goal of this task is to ensure quality products and to procure subcontractors required to carry out the tasks under this Agreement consistent with the Agreement Terms and Conditions and the Recipient's own procurement policies and procedures. It will also provide the Energy Commission an opportunity to review the subcontracts to ensure that the tasks are consistent with this Agreement, and that the budgeted expenditures are reasonable and consistent with applicable cost principles.

The Recipient shall:

- Manage and coordinate subcontractor activities.
- Submit a draft of each subcontract required to conduct the work under this Agreement to the Commission Agreement Manager for review.
- Submit a final copy of the executed subcontract.
- If Recipient decides to add new subcontractors, then the Recipient shall notify the CAM.

Products:

- Letter describing the subcontracts needed, or stating that no subcontracts are required
- Draft subcontracts
- Final subcontracts

TECHNICAL TASKS

TASK 2 PROCUREMENT AND PRE-INSTALLATION

The goal of this task is to procure manufacturing equipment, software, and tools needed to improve ZEV component manufacturing efficiency and capacity at the Recipient's manufacturing facility/facilities. Procurement will improve manufacturing of ZEV components as approved by the CAM such as inverters, control modules, items necessary for integrating components to convert commercial vehicles to battery-electric vehicles and assemblies such as motor-transmission assemblies, electrical power steering and braking assemblies, and battery pack assemblies. This will result in three major subsystems, Motive Drive Subsystem, Energy Storage Subsystem, and Power Control and Accessory Subsystem, which will be tested as integrated vehicle drive system "kits" at Recipient's facility/facilities and then delivered to vehicle manufacturers for installation into converted vehicles. Procured software will help manage manufacturing processes and to implement improved design-for-manufacturing.

The Recipient shall:

- Take photographs of pre-installation site(s)
- Prepare and provide to CAM a *Procurement Plan* which describes the manufacturing equipment, software, and tools identified for purchasing, location for the procured items, and the timing of such purchases. The *Procurement Plan* may be updated by the Recipient as needed, but then must be resubmitted to the CAM for approval before implementation of the updates.
- Procure manufacturing equipment, software, and tools, including:
 - Conveyors, carts, and other devices to facilitate product movement
 - Lifting equipment
 - Storage racks
 - Assembly benches, jigs, and related fixtures
 - Software tools to enhance the manufacturability of product designs

Products:

- Photos of pre-installation site
- Draft Procurement Plan, including list of all equipment, software, and tools to be procured and their corresponding final location of use
- Final Procurement Plan, including a final list of the equipment, software, and tools procured and their corresponding final location of use
- CPR Report(s)

[CPR WILL OCCUR DURING THIS TASK. See Task 1.2 for details.]

TASK 3 INSTALLATION AND IMPLEMENTATION

The goal of this task is to install manufacturing equipment, software, tools and materials procured and prepared pursuant to Task 2 above, to increase the Recipient's manufacturing capacity. The Recipient will implement manufacturing processes that will streamline the manufacturing of ZEV components as described in Task 2 above.

The Recipient shall:

- Install manufacturing equipment, software, tools, and materials procured pursuant to Procurement Plan.
- Train and/or recruit staff to implement new manufacturing process(es).
- Take photographs of post-installation site with newly acquired manufacturing equipment, software, tools, and materials. Newly acquired manufacturing software may be photographed running on facility computers.
- Prepare and provide to CAM a *Written Notification of Completion* notifying that installation activities are complete.

Products:

- Photos of post-installation site
- Written Notification of Completion

TASK 4 OPERATIONS AND VALIDATION

The goal of this task is to commence ZEV component manufacturing operations using the newly installed manufacturing equipment, software, and tools. Manufactured components will be validated in accordance with industry recognized manufacturing standards as described below.

The Recipient shall:

- Recipient will provide to CAM a *List of Validations* that identifies the agencies and standards to be used for manufacturing validation.
- Prepare and provide to CAM a *Process Improvement Report* that summarizes the effectiveness of the new manufacturing process(es). Report will provide preliminary data for improved manufacturing assembly time, lower production costs, and improved component quality resulting from the use of newly acquired equipment, software, and tools.

Products:

- List of Validations
- Process Improvement Report
- CPR Report(s)

[CPR WILL OCCUR DURING THIS TASK. See Task 1.2 for details.]

TASK 5 DATA COLLECTION AND ANALYSIS

The goal of this task is to collect project and operational data from the project, to analyze that data for economic and environmental effects, and to include the data and analysis in the Final Report.

The Recipient shall:

- Develop a data collection outline and plan.
- Identify key project issues encountered and resolution of the issues.
- Collect a minimum of 6 months of project and operations data.
- Identify the number and description of units produced from product beta testing and validation through commercial production. The Recipient shall also characterize the use of these products after the project.
- Provide data on specific jobs and economic impact as a direct result of the project. Additionally, provide estimates of future jobs, economic impact, and revenues to the state and local governments.
- Describe the market(s) for the manufactured products, and compare the market status from the time of the original project proposal to the time of the project's completion.
- Provide a projection of the number of units to be manufactured per year, for the products identified in the original application, 5 years after the completion of the project. The Recipient shall also provide assumptions for projected growth.
- Compare project performance and expectations provided in the original project proposal with actual project performance, results, and accomplishments.
- Collect data, information, and analysis described above and include in the Final Report.

Products:

- Data collection information and analysis will be included in the Final Report
- CPR Report(s)

[CPR WILL OCCUR DURING THIS TASK. See Task 1.2 for details.]

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: TRANSPORTATION POWER, INC.

RESOLVED, that the State Energy Resources Conservation and Development Commission (Energy Commission) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the Energy Commission approves Agreement ARV-18-025 with Transportation Power, Inc. (dba TransPower) for a \$1,183,921 grant to upgrade ZEV component manufacturing capabilities at TransPower's existing facilities, and adopting staff's determination that this action is exempt from CEQA; and

FURTHER BE IT RESOLVED, that the Executive Director or his/her designee shall execute the same on behalf of the Energy Commission.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Energy Commission held on June 12, 2019.

AYE: [List of Commissioners]

NAY: [List of Commissioners]

ABSENT: [List of Commissioners]

ABSTAIN: [List of Commissioners]

Cody Goldthrite,
Secretariat